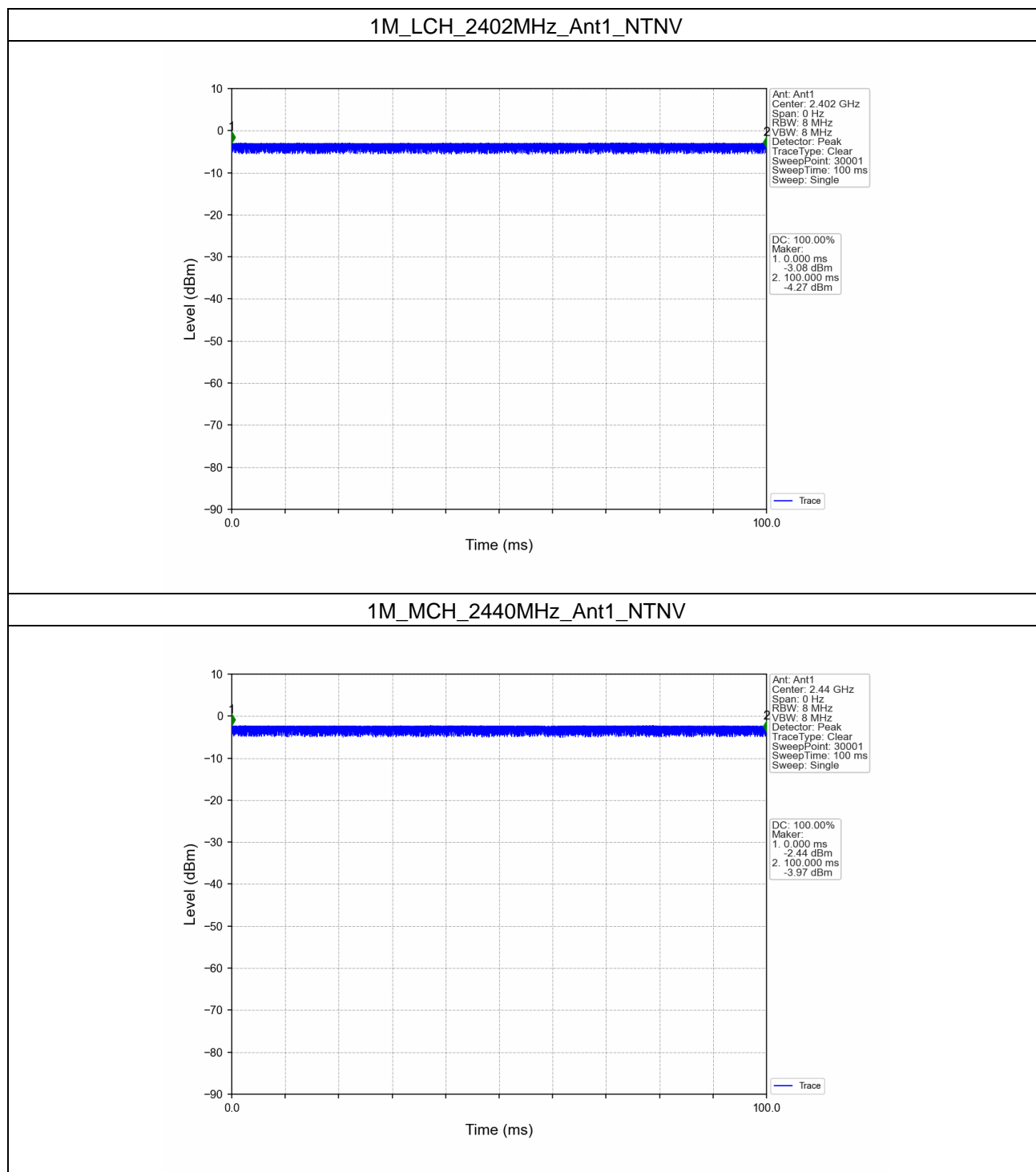
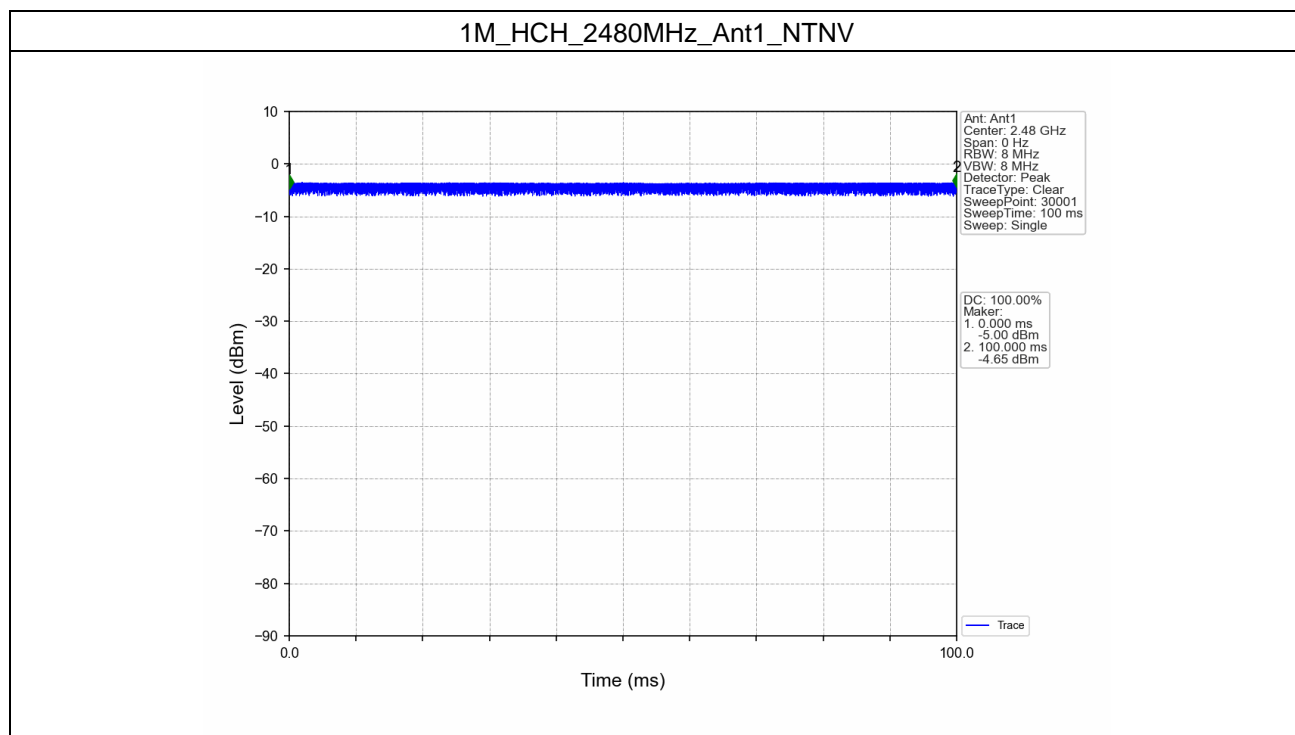


1.1.2 Test Graph





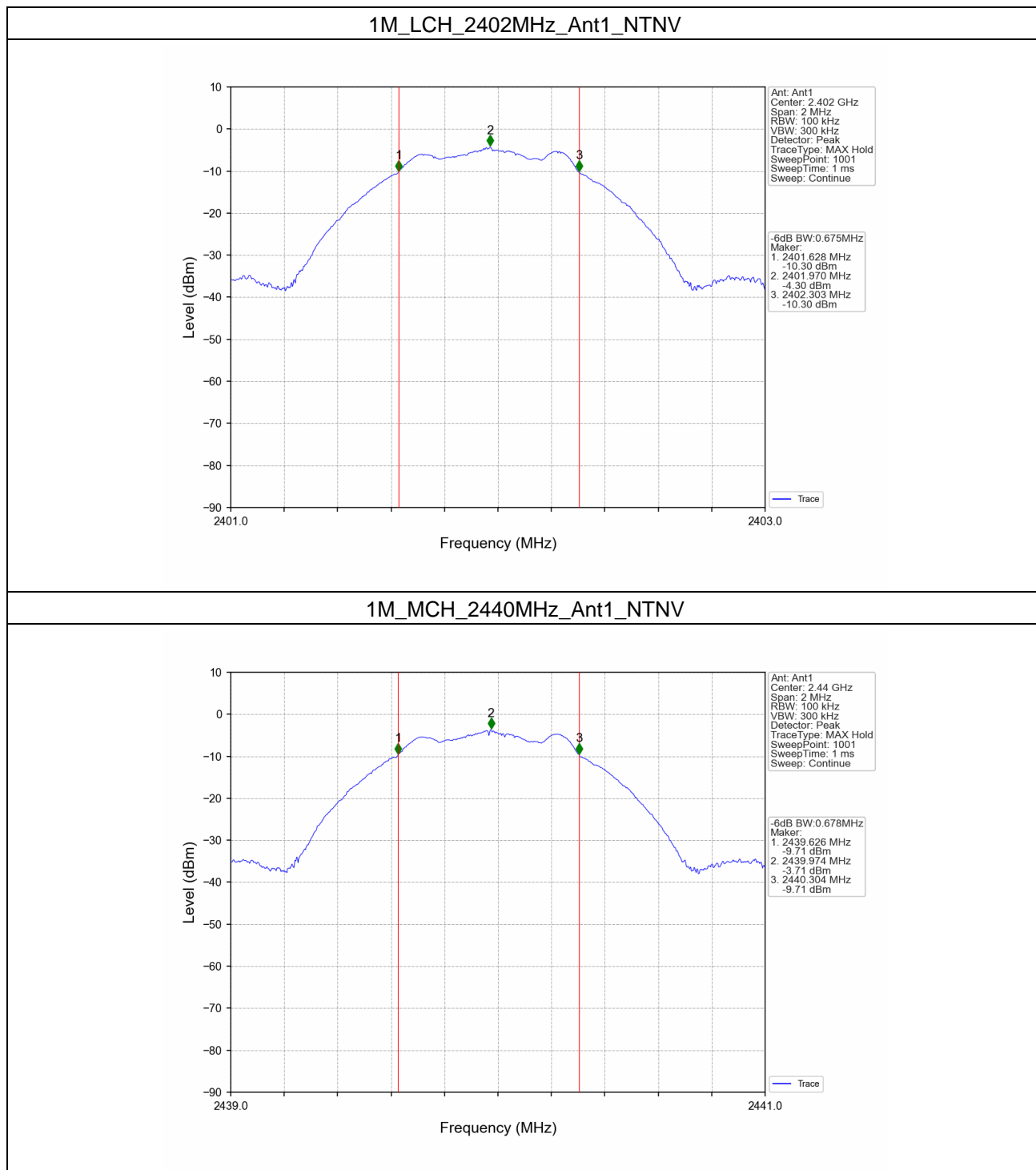
2. Bandwidth

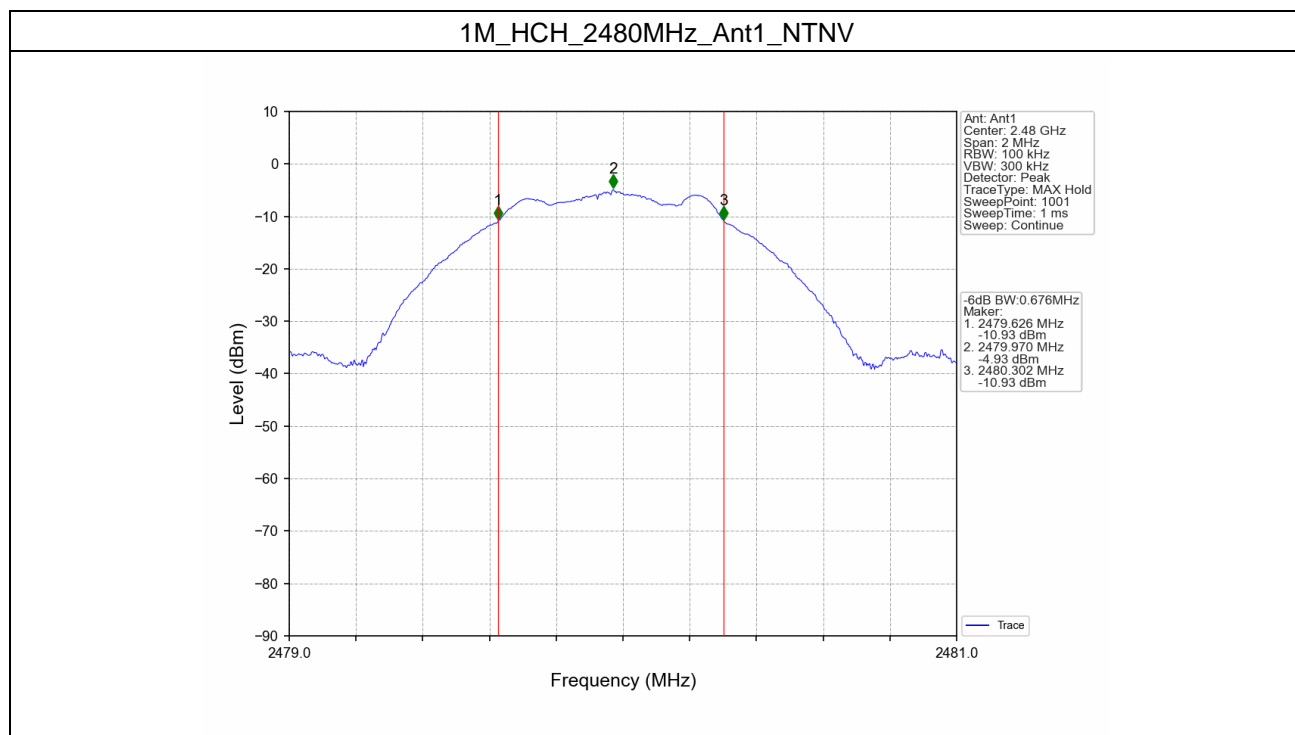
2.1 6dB BW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.675	≥ 0.5	Pass
		2440	1	0.678	≥ 0.5	Pass
		2480	1	0.676	≥ 0.5	Pass

2.2.2 Test Graph





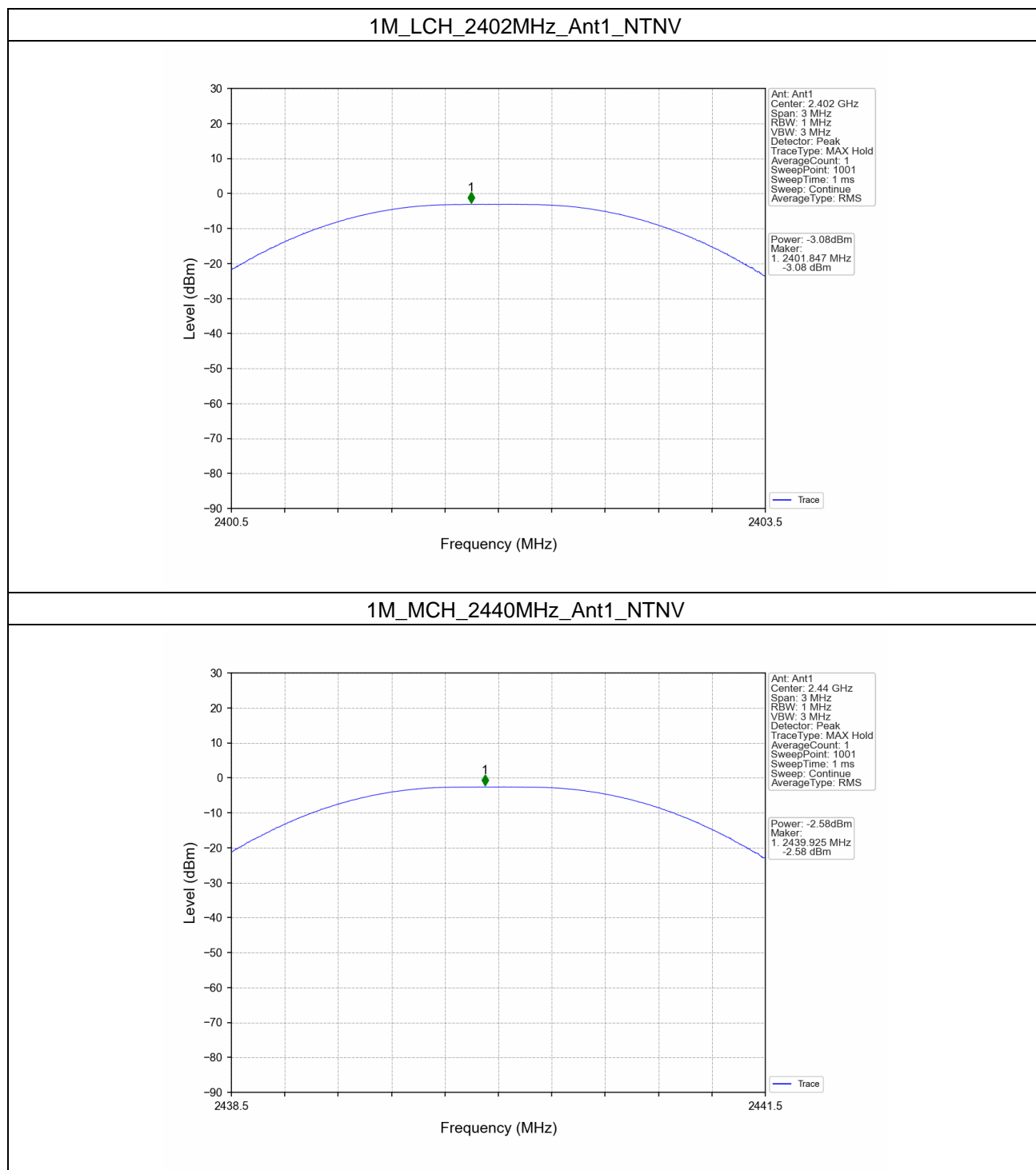
3. Maximum Conducted Output Power

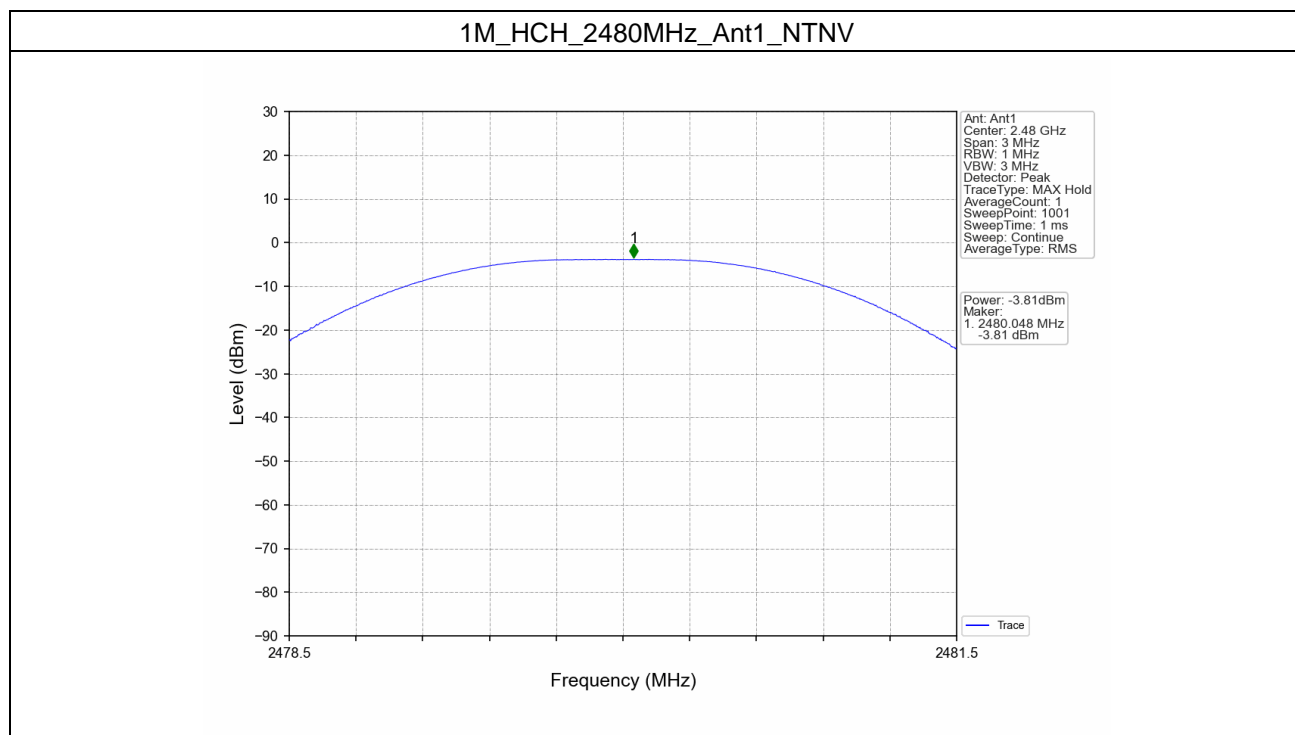
3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-3.08	<=30	Pass
		2440	-2.58	<=30	Pass
		2480	-3.81	<=30	Pass
Note1: Antenna Gain: Ant1: 1.96dBi;					

3.1.2 Test Graph





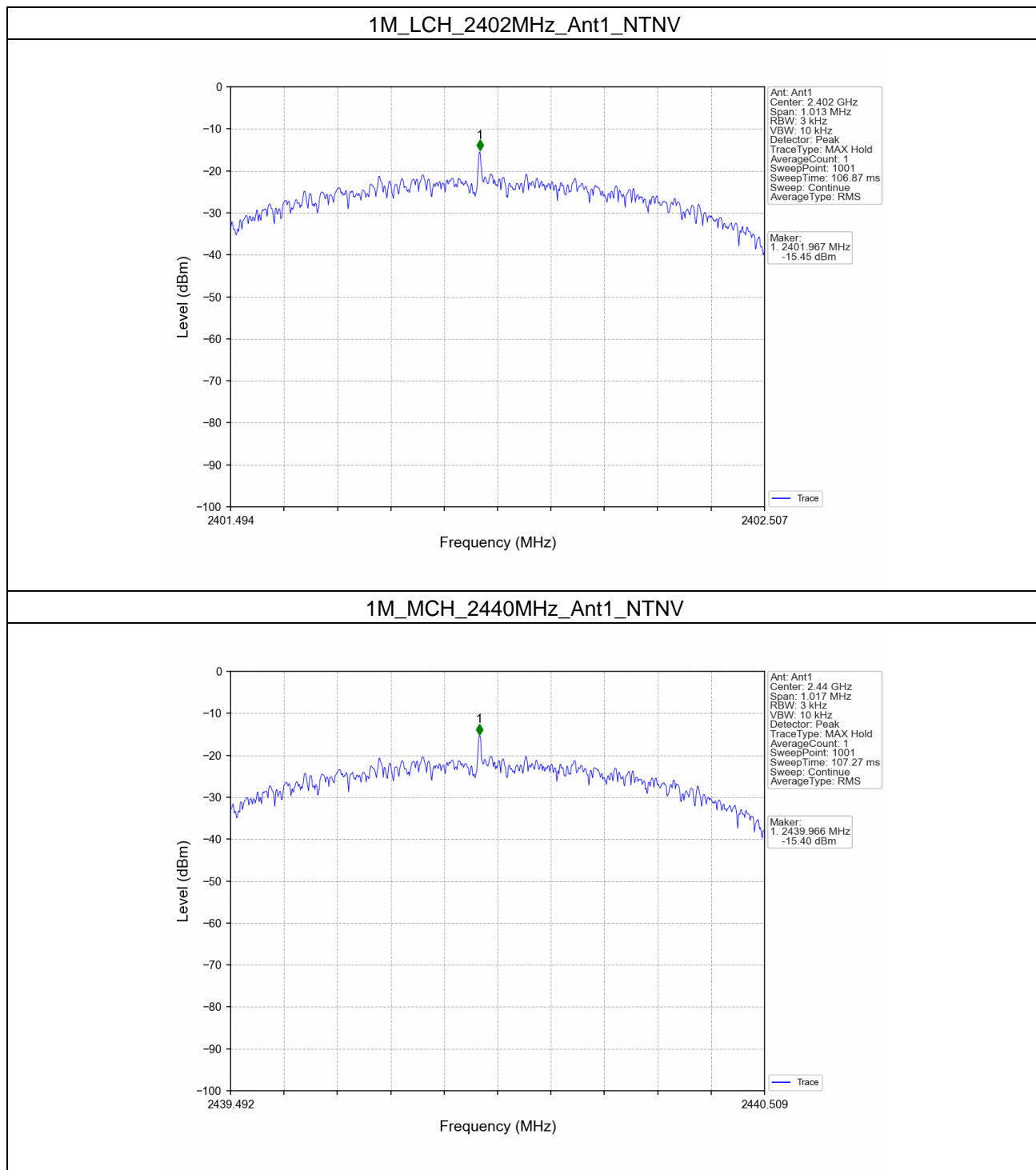
4. Maximum Power Spectral Density

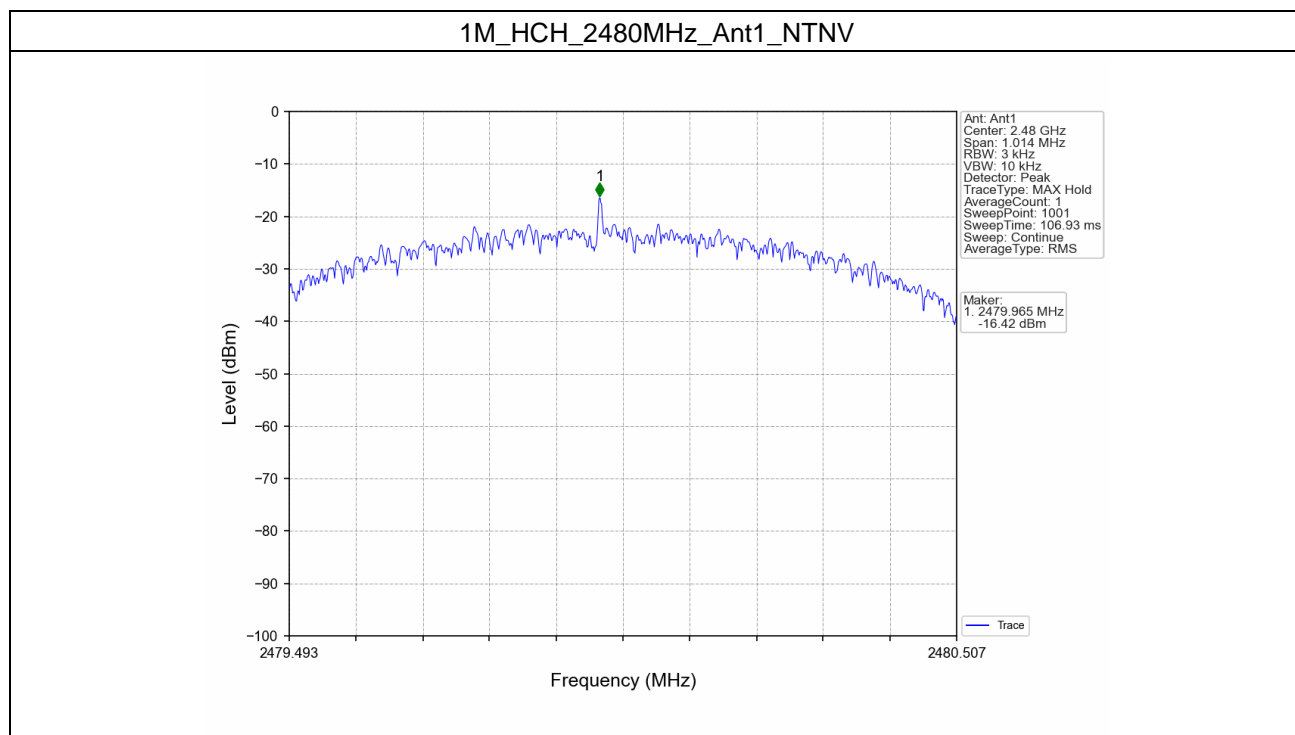
4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-15.45	<=8	Pass
		2440	-15.40	<=8	Pass
		2480	-16.42	<=8	Pass
Note1: Antenna Gain: Ant1: 1.96dBi;					

4.1.2 Test Graph





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5. Unwanted Emissions In Non-restricted Frequency Bands

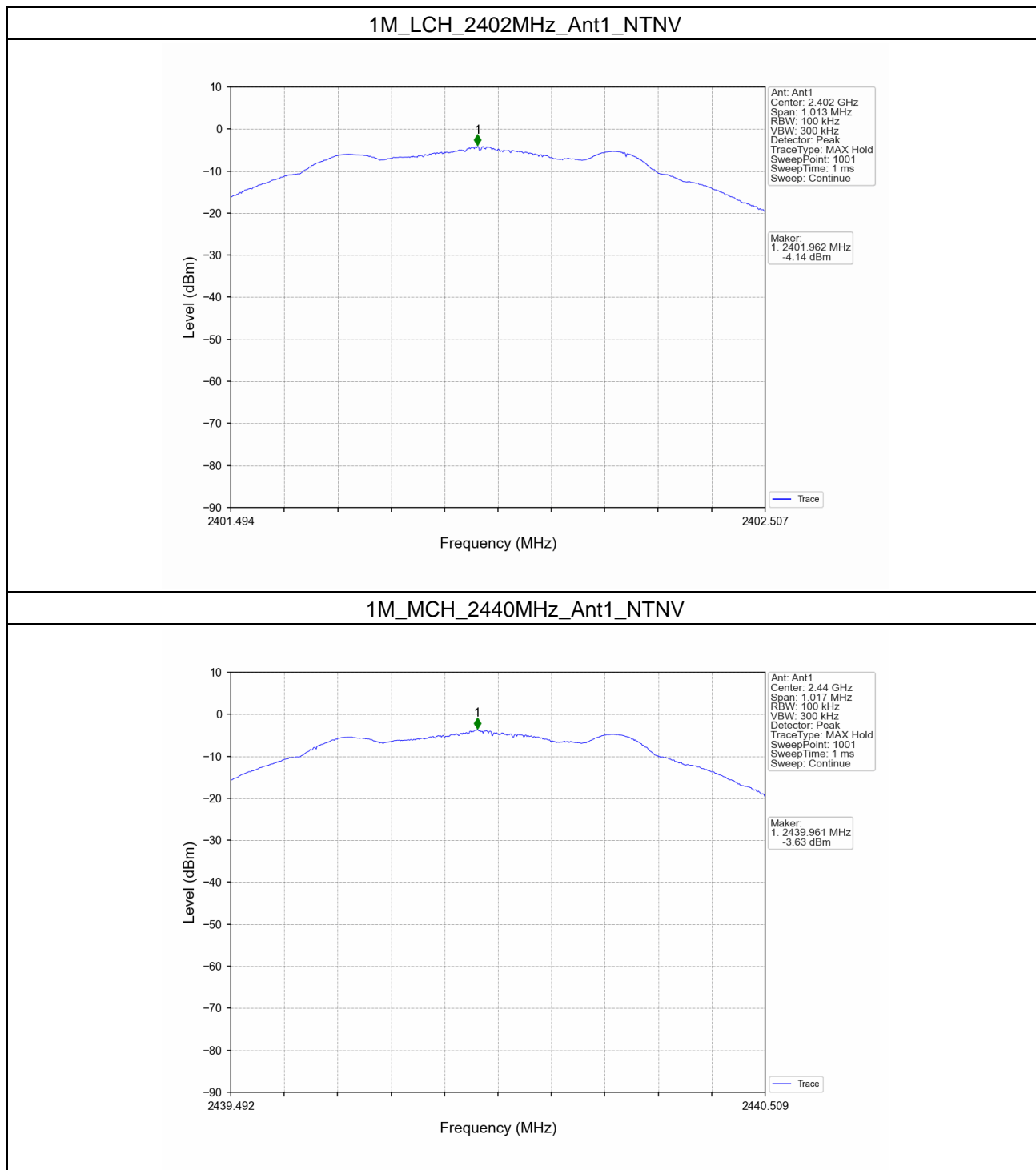
5.1 Ref

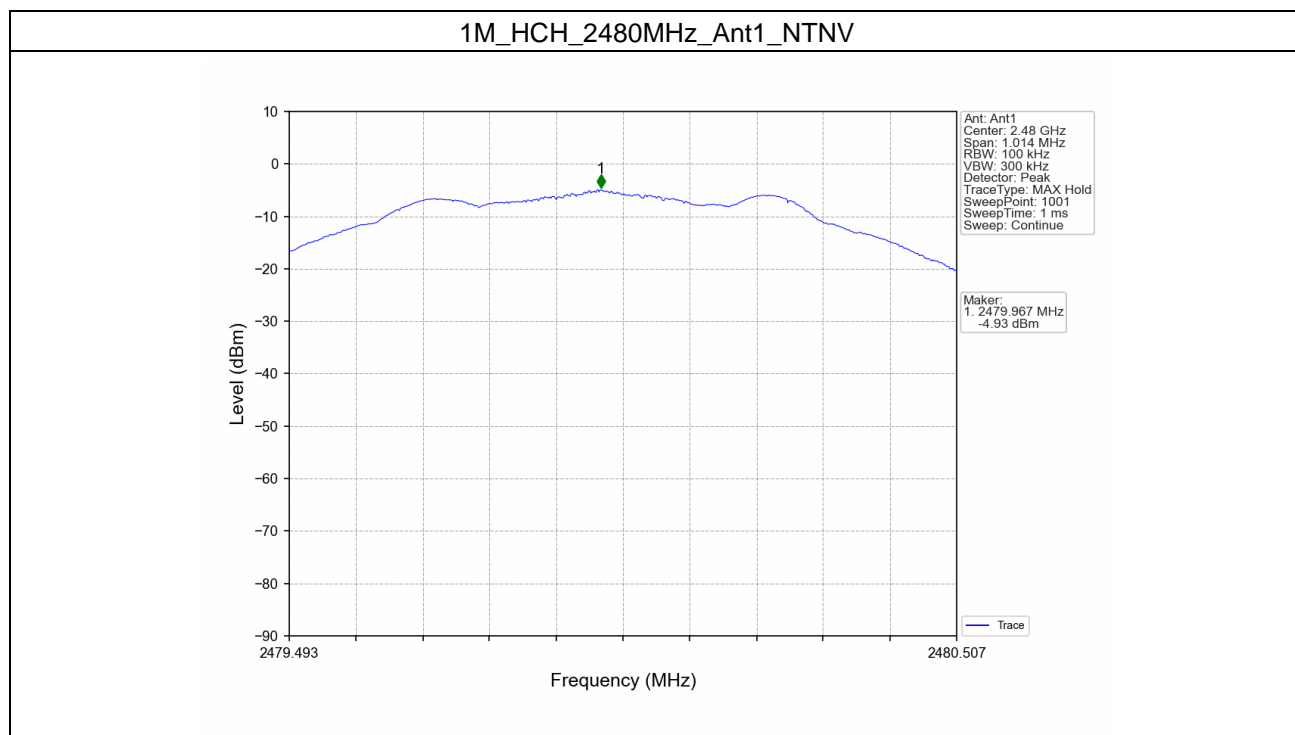
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-4.14
		2440	1	-3.63
		2480	1	-4.93

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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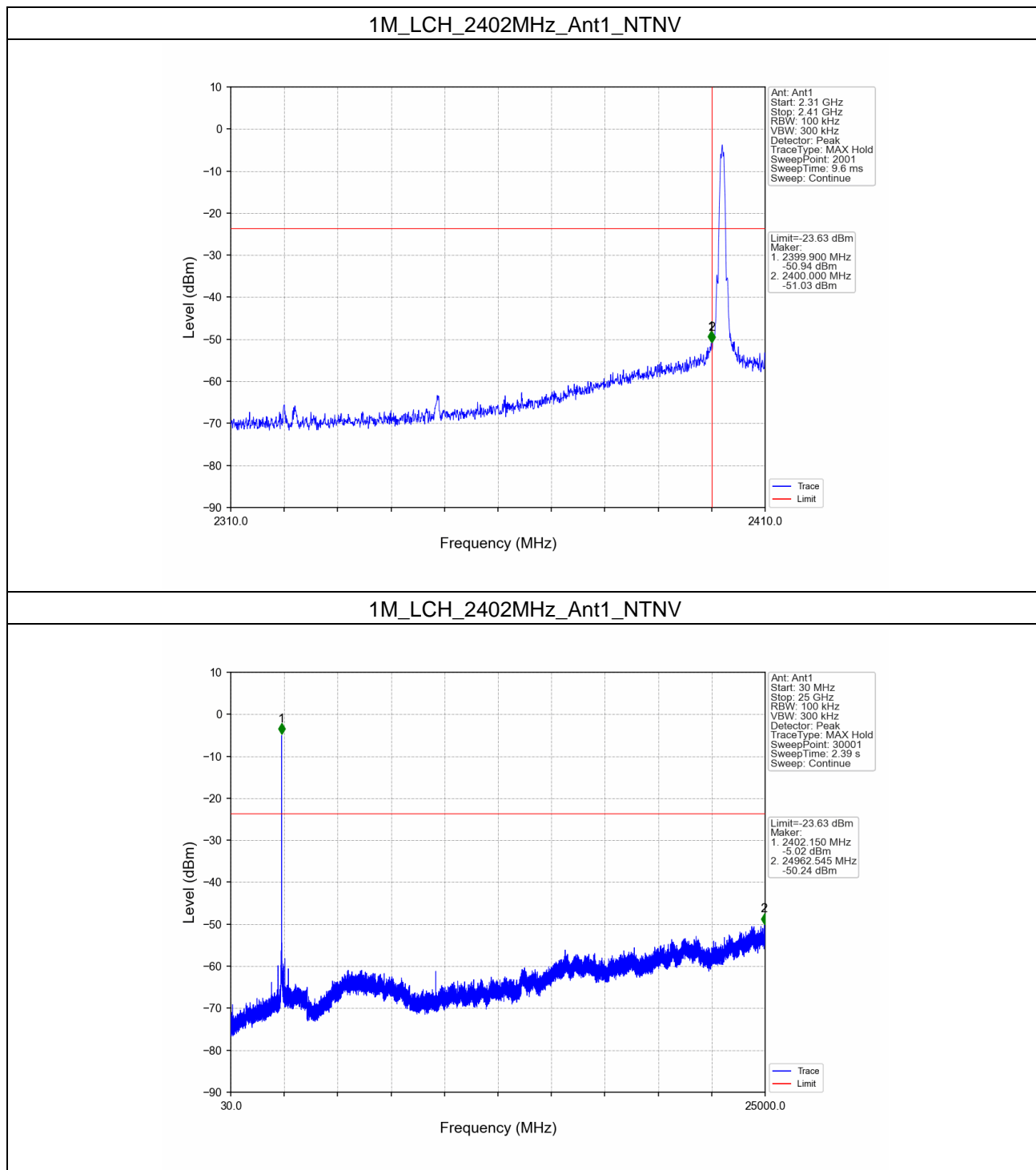
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5.2 CSE

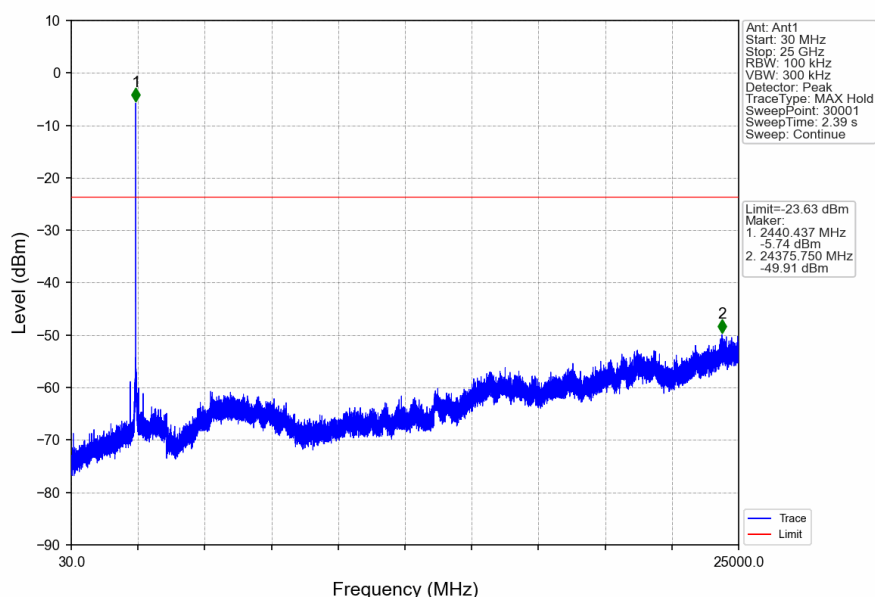
5.2.1 Test Result

Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-3.63	-23.63	Pass
		2440	1	-3.63	-23.63	Pass
		2480	1	-3.63	-23.63	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.						

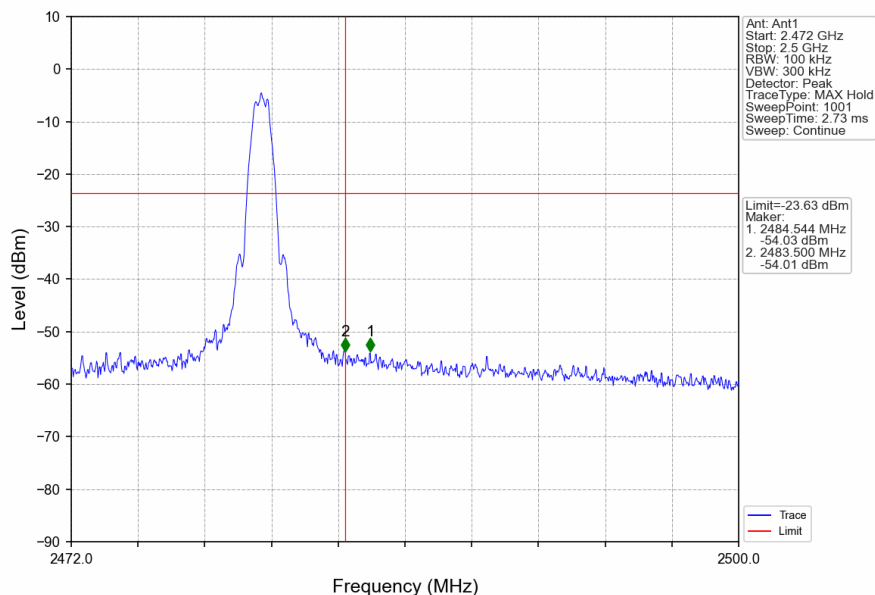
5.2.2 Test Graph



1M_MCH_2440MHz_Ant1_NTNV



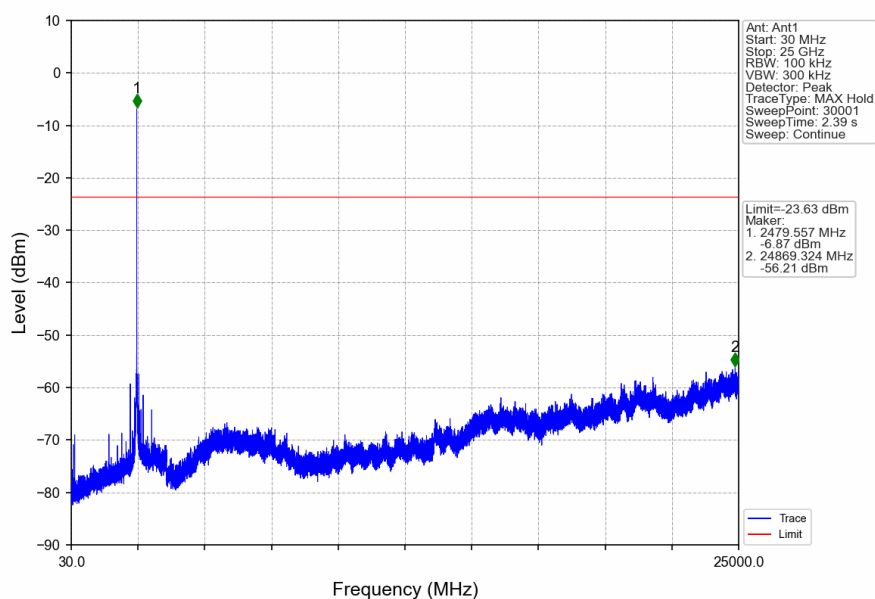
1M_HCH_2480MHz_Ant1_NTNV



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1M_HCH_2480MHz_Ant1_NTNV



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For Wi-Fi

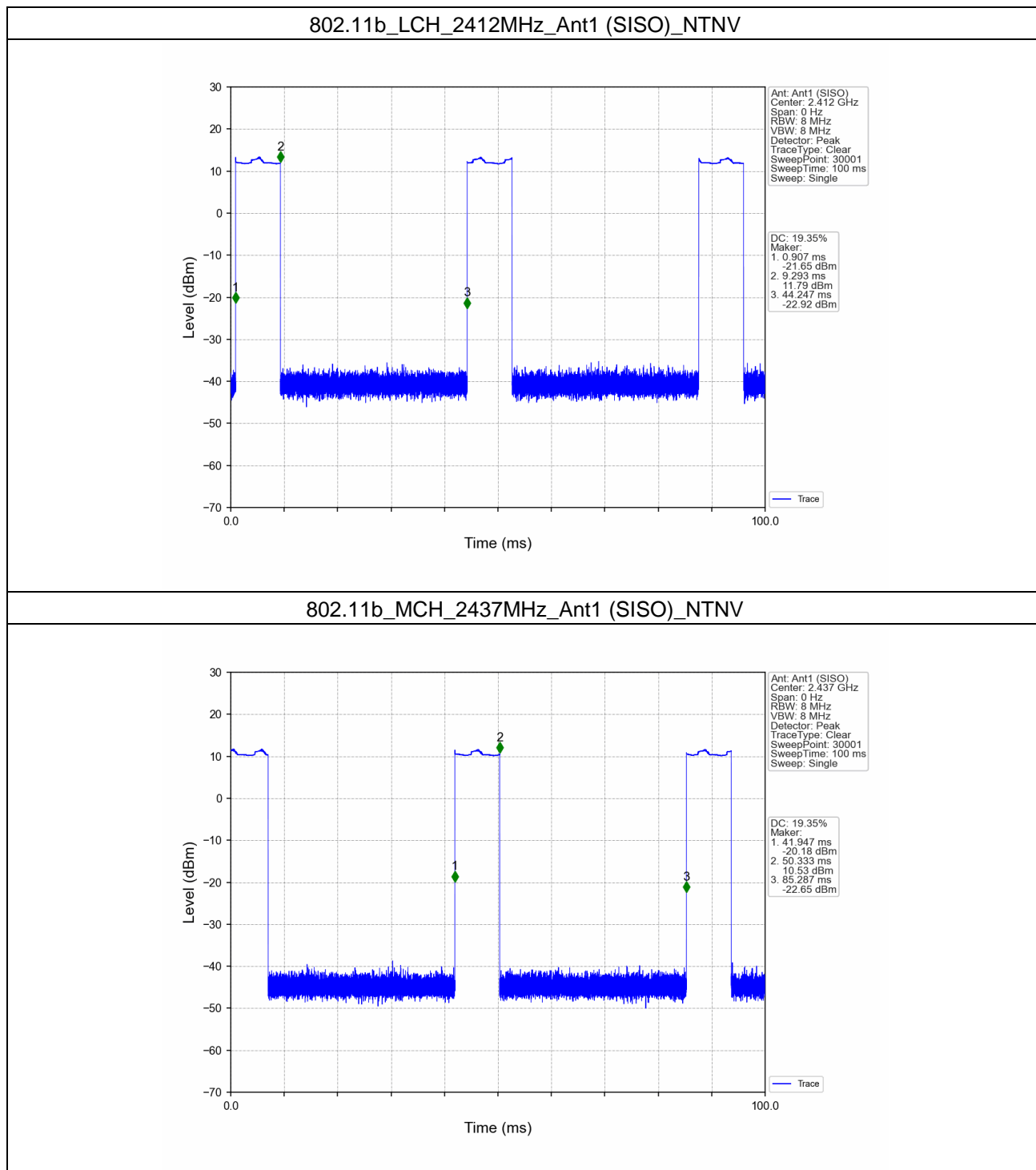
1. Duty Cycle

1.1 Ant1

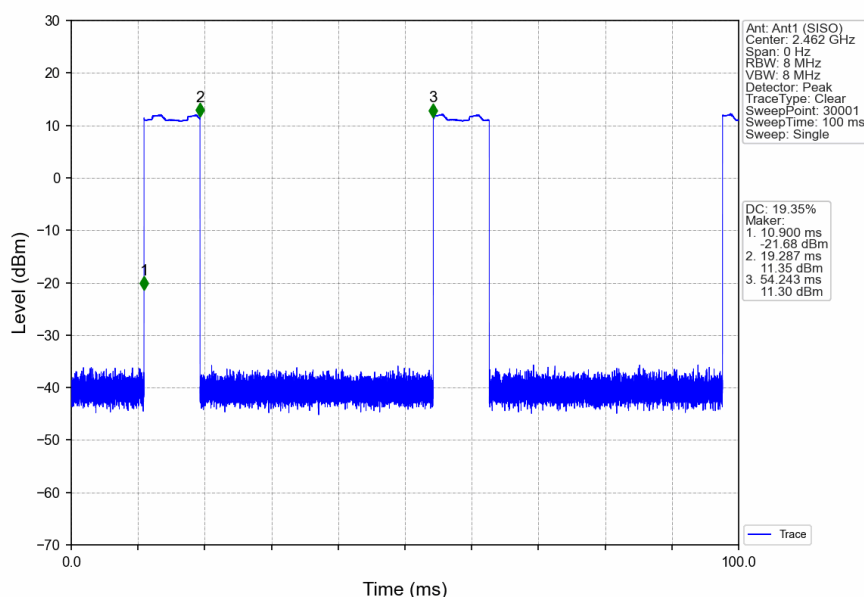
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.386	43.340	19.35	7.13	0.01
		2437	8.386	43.340	19.35	7.13	0.00
		2462	8.387	43.343	19.35	7.13	0.00
802.11g	SISO	2412	1.394	13.977	9.97	10.01	0.02
		2437	1.394	13.977	9.97	10.01	0.02
		2462	1.394	1.409	98.94	0.05	0.03
802.11n (HT20)	SISO	2412	1.302	1.317	98.86	0.05	0.03
		2437	1.302	1.317	98.86	0.05	0.04
		2462	1.303	1.317	98.94	0.05	0.03
802.11n (HT40)	SISO	2422	0.650	0.658	98.78	0.05	0.04
		2437	0.650	0.658	98.78	0.05	0.04
		2452	0.650	0.658	98.78	0.05	0.07

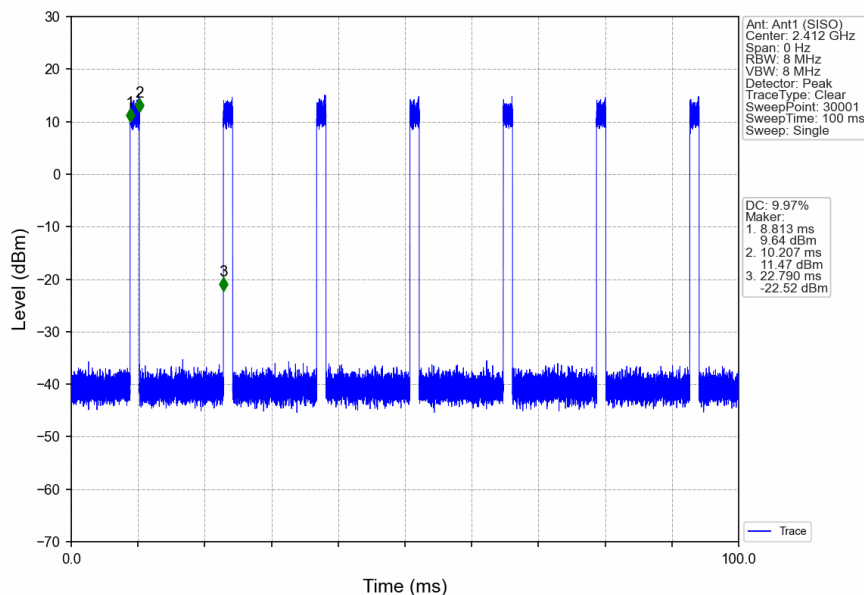
1.1.2 Test Graph



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



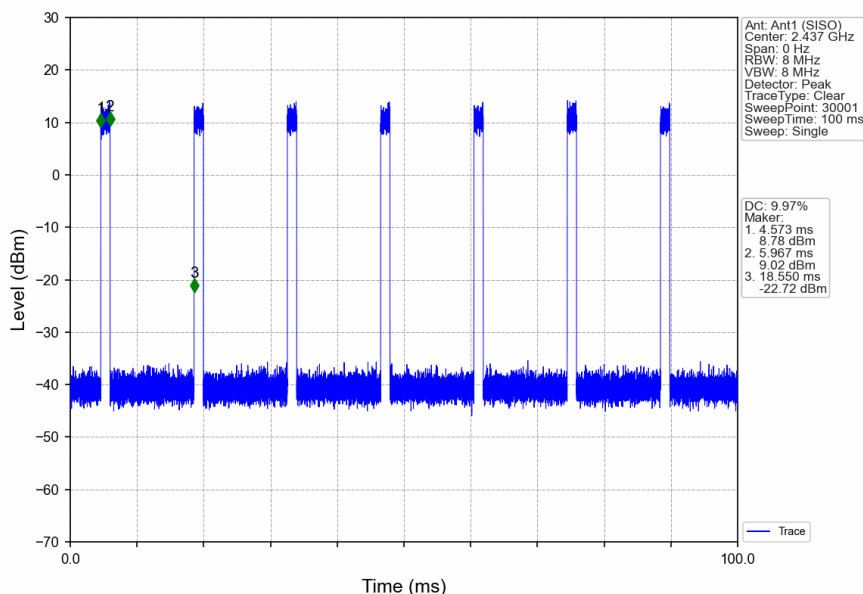
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



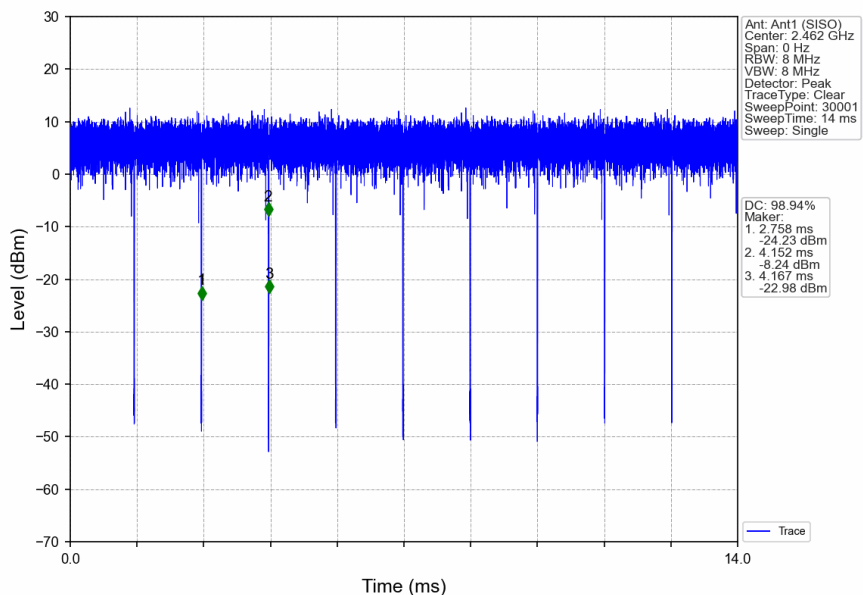
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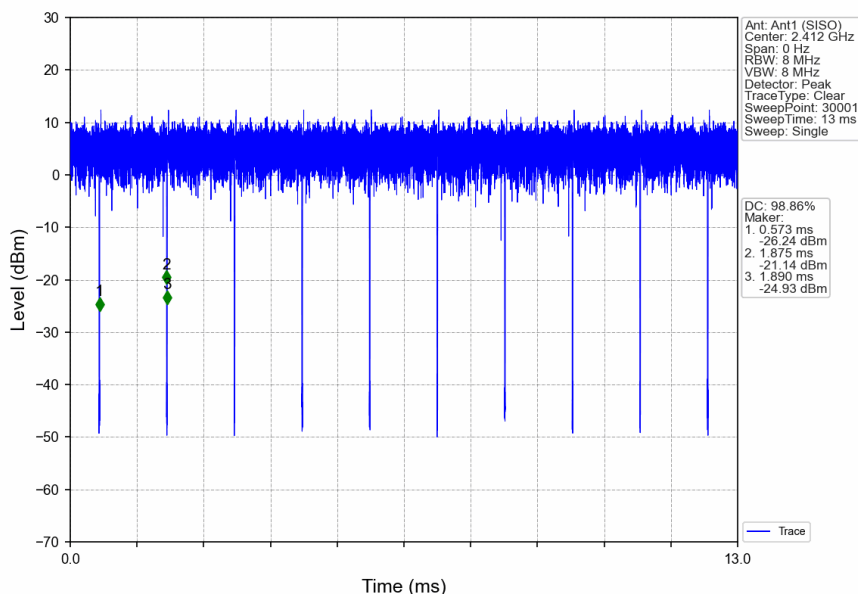
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



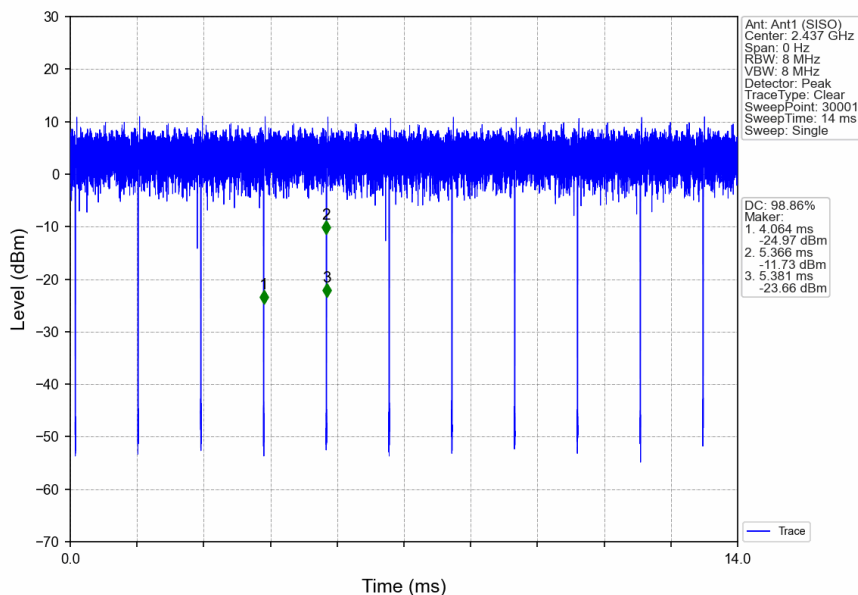
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



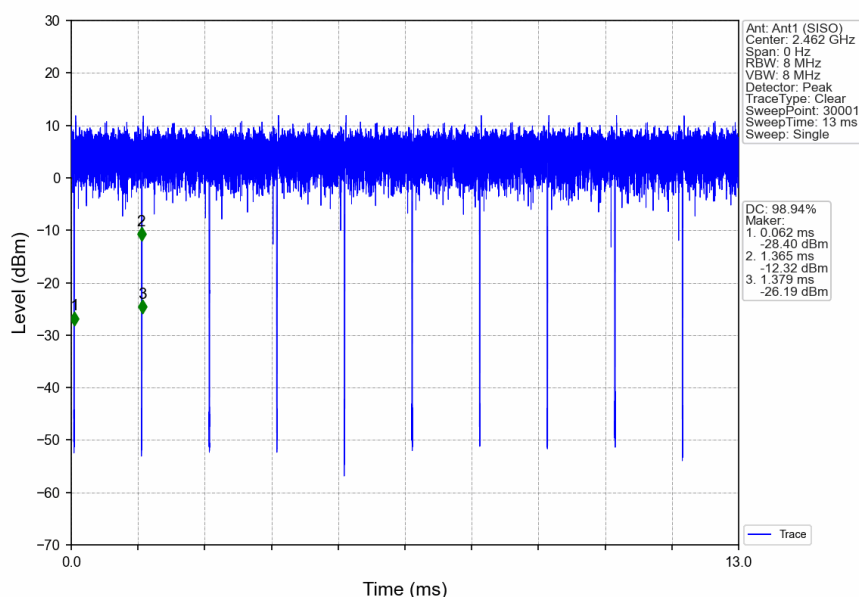
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



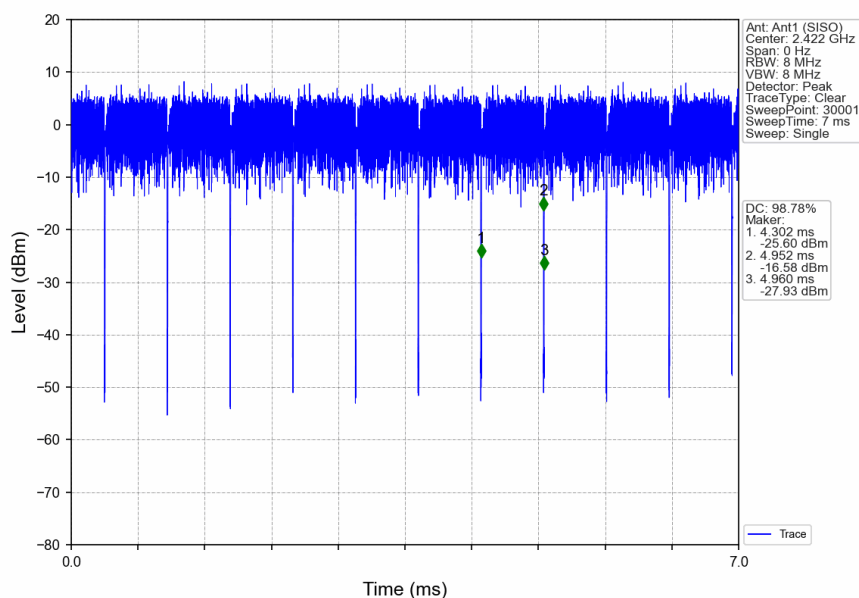
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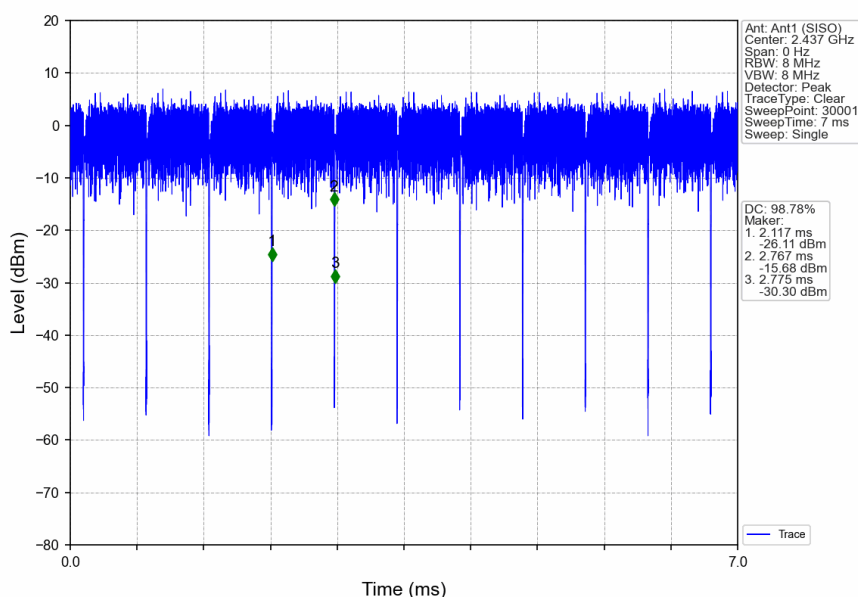
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



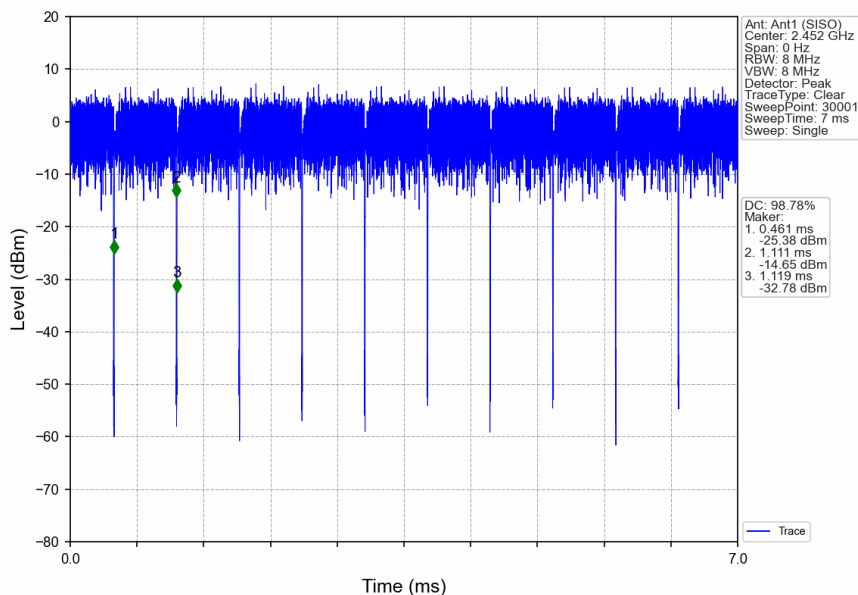
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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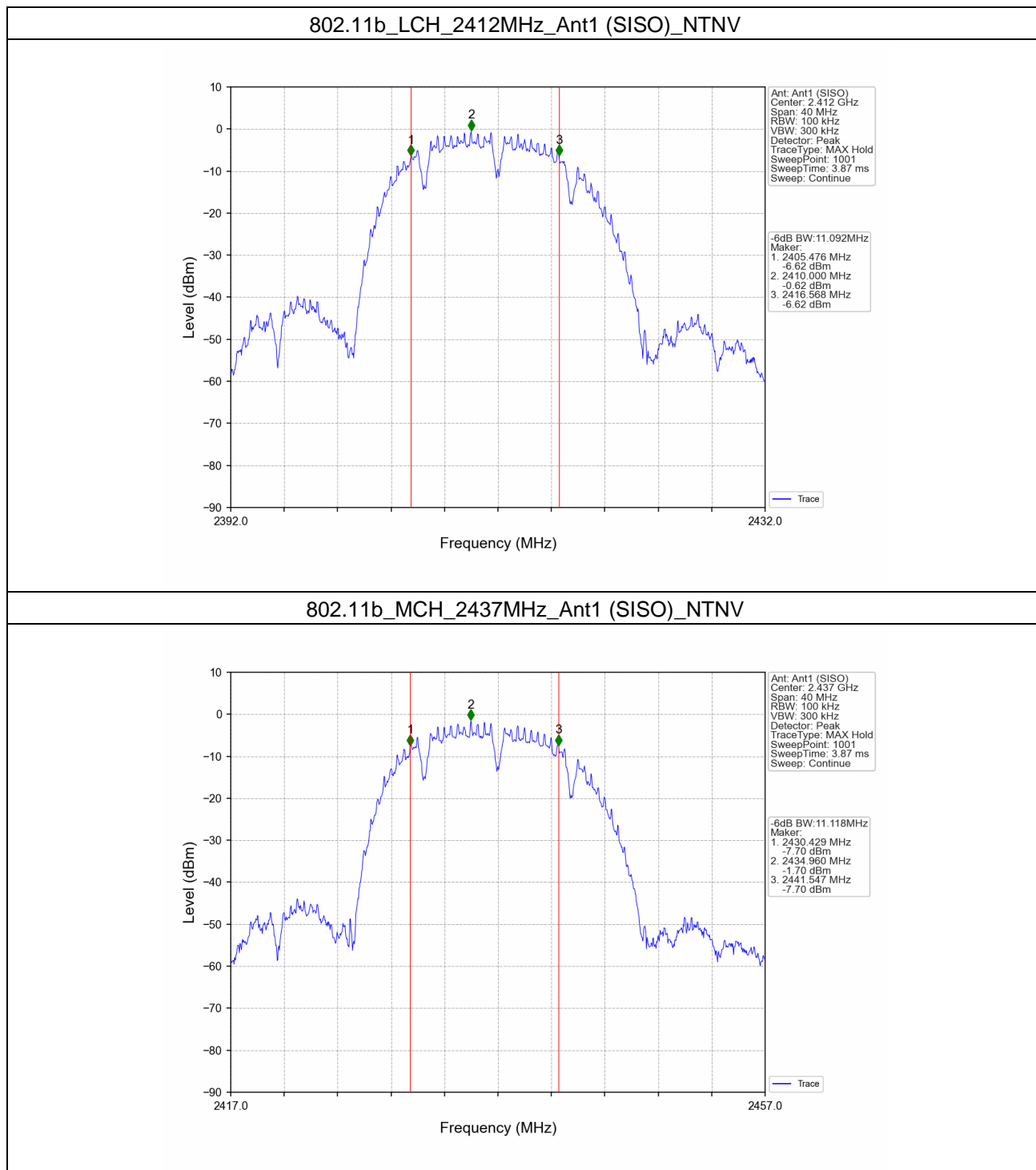
2. Bandwidth

2.1 6dB BW

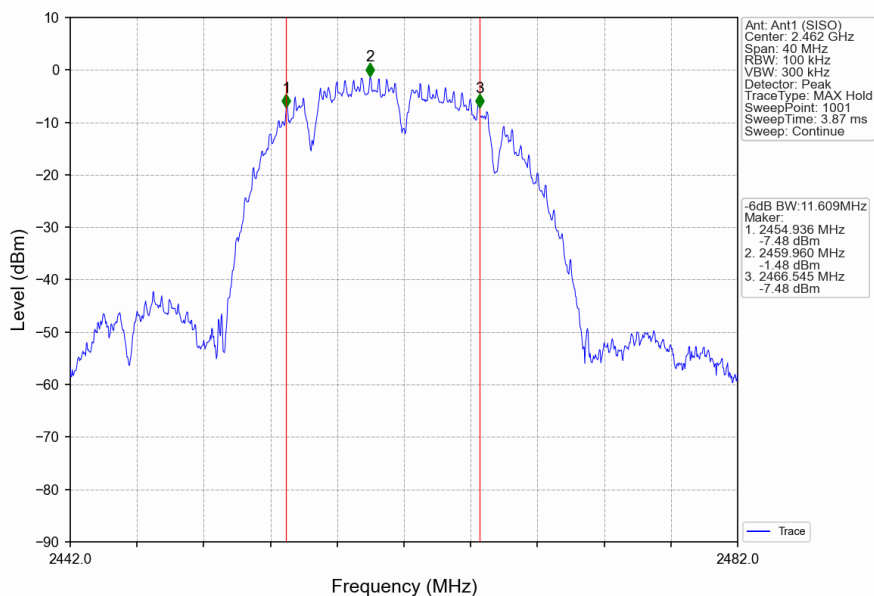
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.092	≥ 0.5	Pass
		2437	1	11.118	≥ 0.5	Pass
		2462	1	11.609	≥ 0.5	Pass
802.11g	SISO	2412	1	17.267	≥ 0.5	Pass
		2437	1	17.210	≥ 0.5	Pass
		2462	1	15.535	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	15.078	≥ 0.5	Pass
		2437	1	15.090	≥ 0.5	Pass
		2462	1	15.072	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.124	≥ 0.5	Pass
		2437	1	35.154	≥ 0.5	Pass
		2452	1	35.117	≥ 0.5	Pass

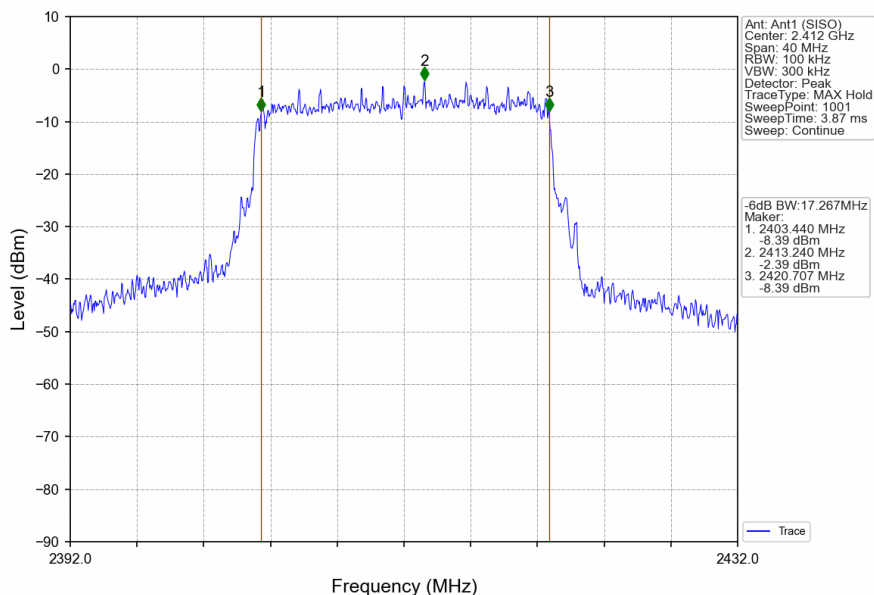
2.1.2 Test Graph



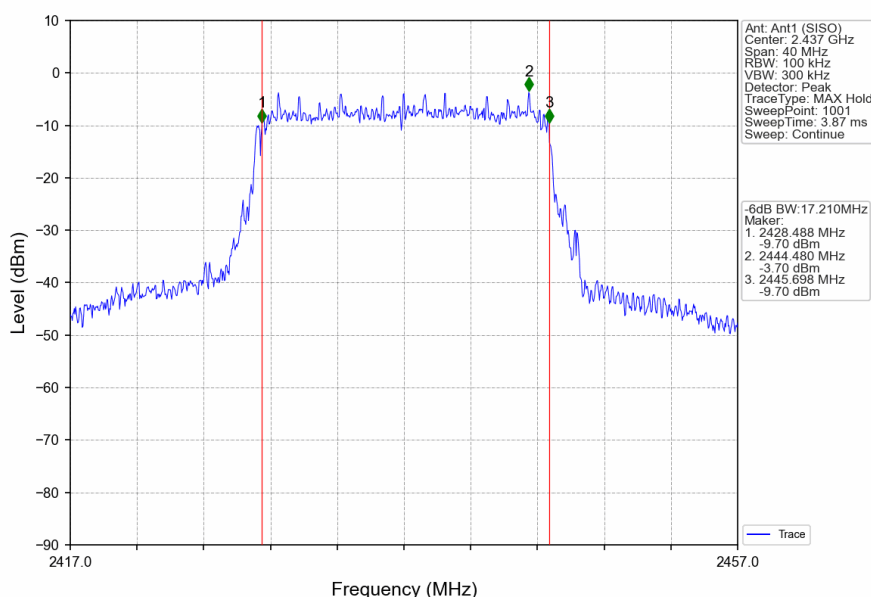
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



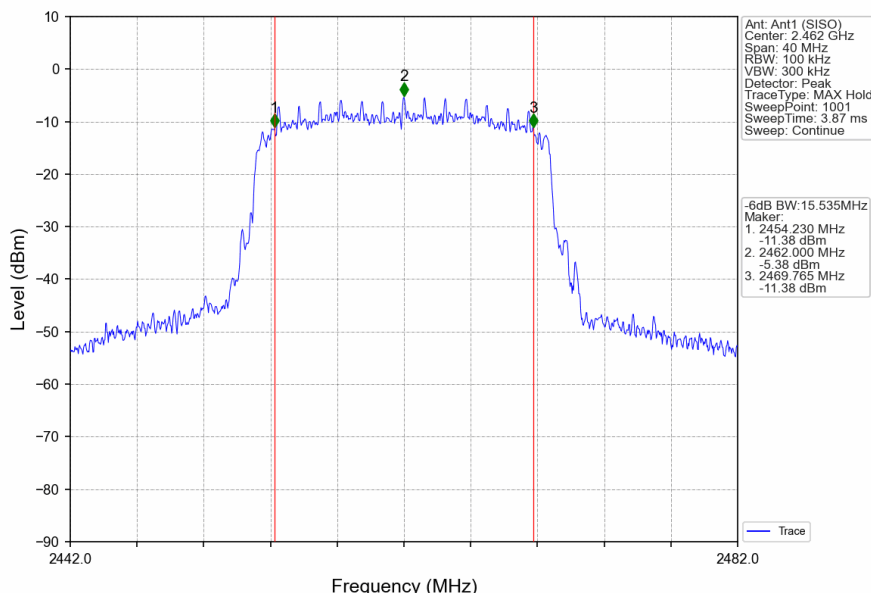
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



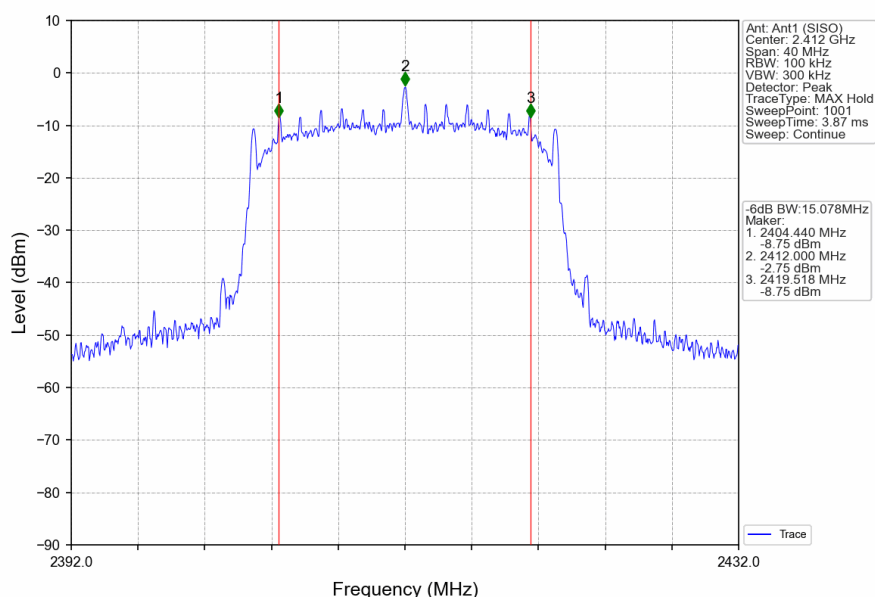
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



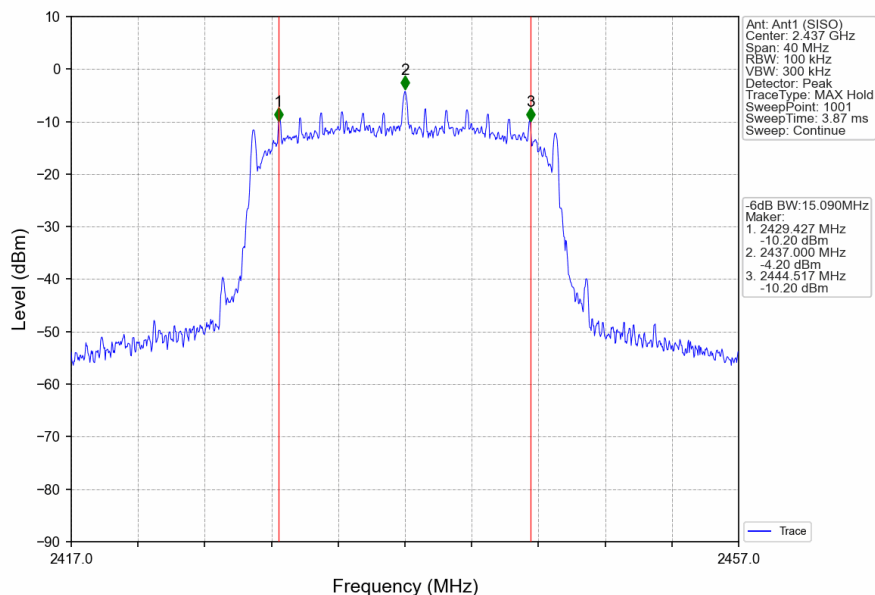
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



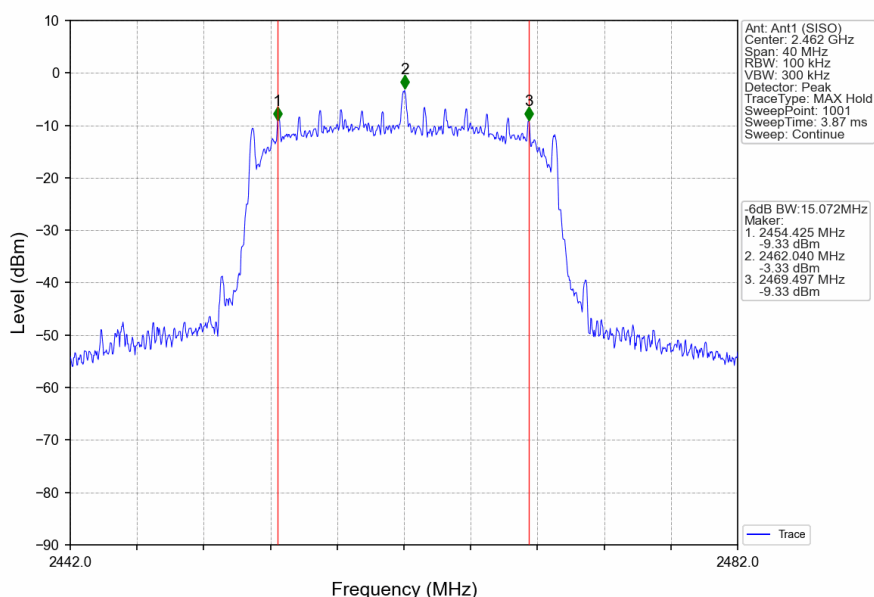
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



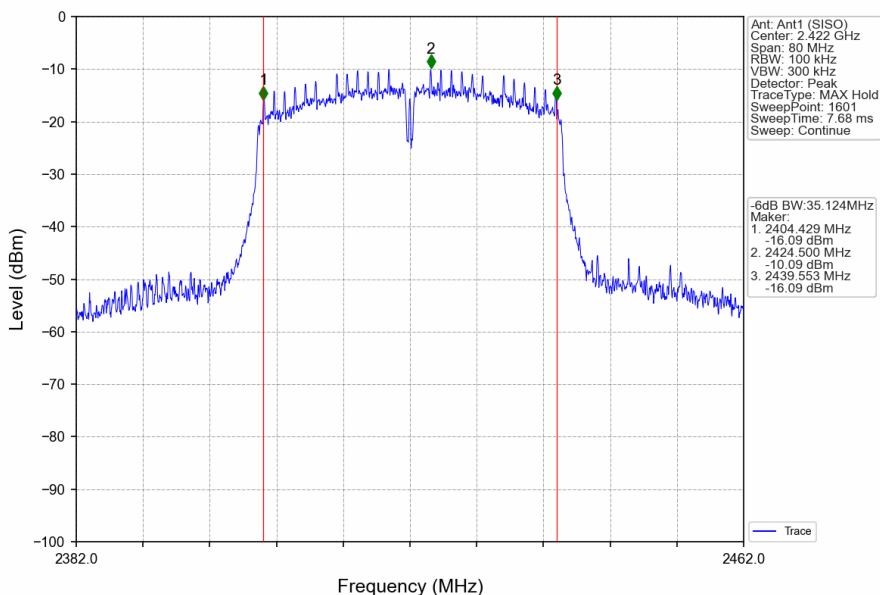
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



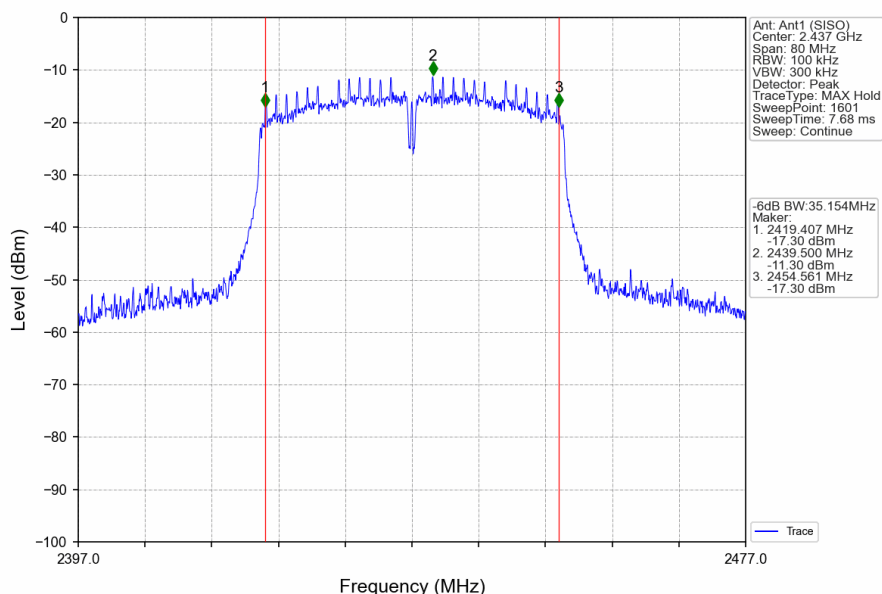
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



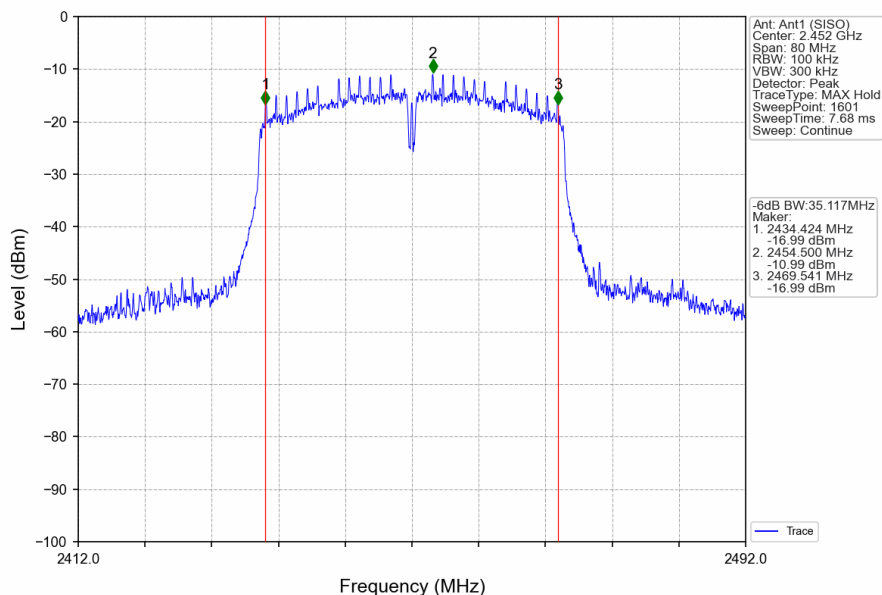
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_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	11.81	<=30	Pass
		2437	10.37	<=30	Pass
		2462	11.12	<=30	Pass
802.11g	SISO	2412	16.32	<=30	Pass
		2437	15.20	<=30	Pass
		2462	13.12	<=30	Pass
802.11n (HT20)	SISO	2412	12.49	<=30	Pass
		2437	11.11	<=30	Pass
		2462	12.02	<=30	Pass
802.11n (HT40)	SISO	2422	10.87	<=30	Pass
		2437	9.89	<=30	Pass
		2452	9.94	<=30	Pass

Note1: Antenna Gain: Ant1: 1.96dBi;

4. Maximum Power Spectral Density

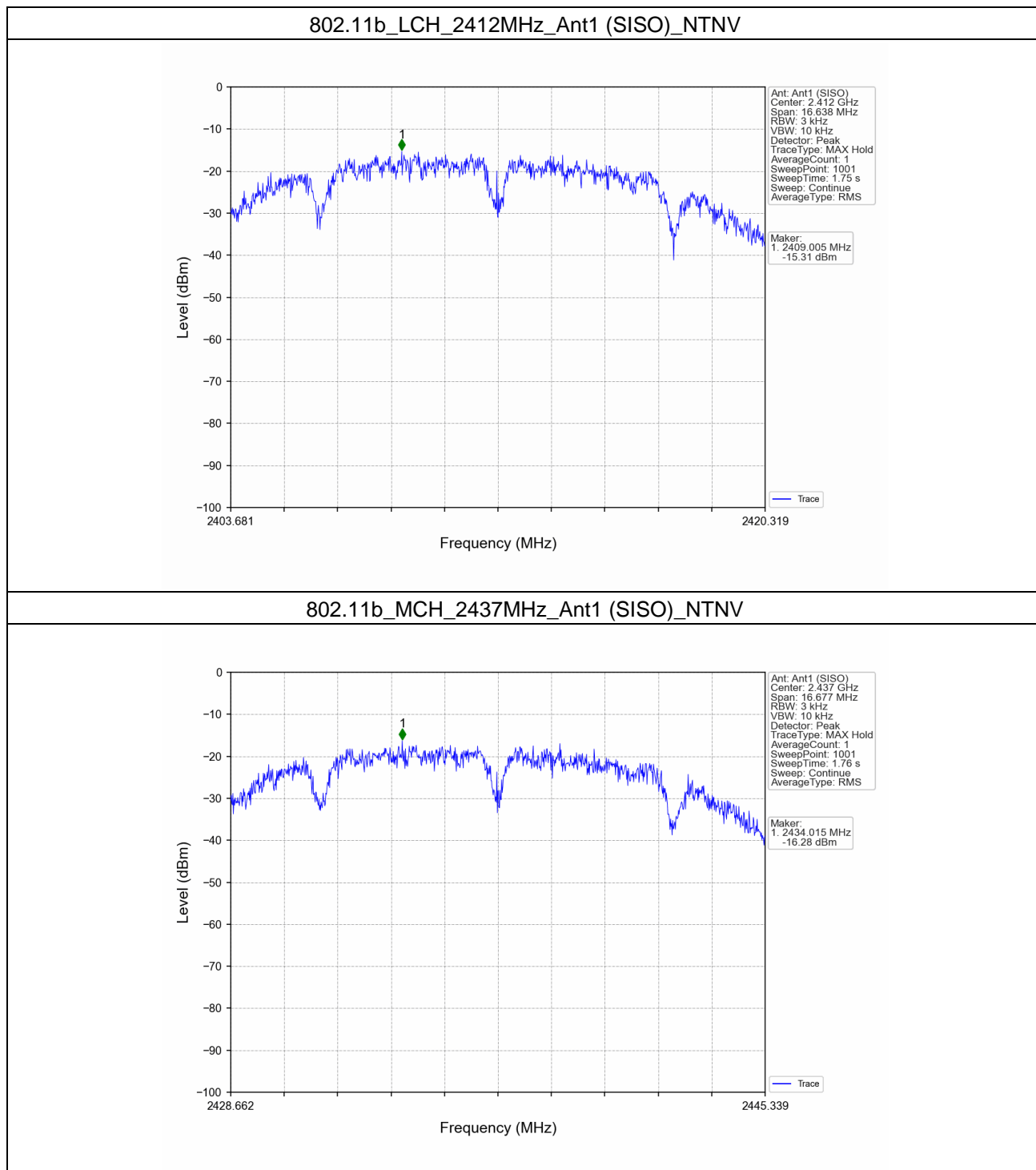
4.1 PSD

4.1.1 Test Result

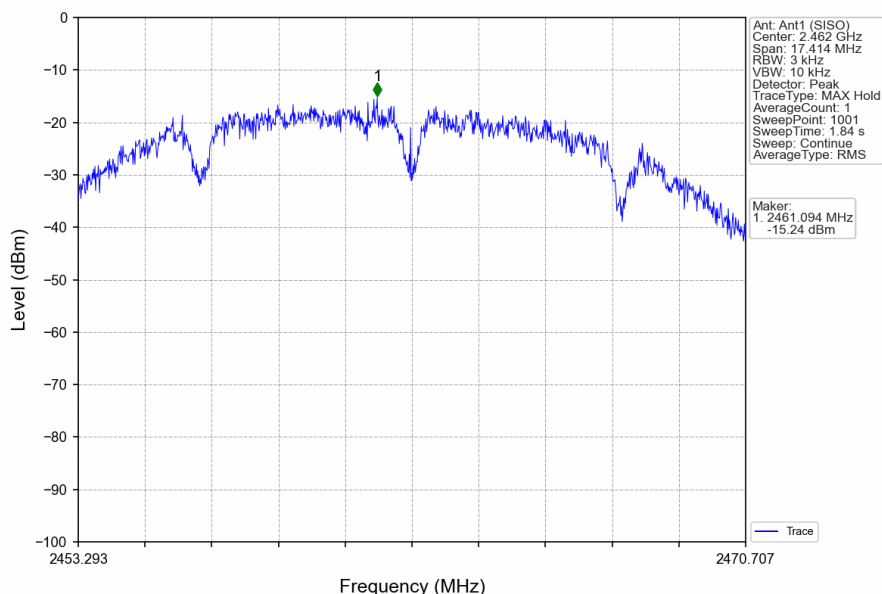
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-15.31	<=8	Pass
		2437	-16.28	<=8	Pass
		2462	-15.24	<=8	Pass
802.11g	SISO	2412	-16.81	<=8	Pass
		2437	-18.57	<=8	Pass
		2462	-20.11	<=8	Pass
802.11n (HT20)	SISO	2412	-18.45	<=8	Pass
		2437	-19.17	<=8	Pass
		2462	-18.32	<=8	Pass
802.11n (HT40)	SISO	2422	-18.50	<=8	Pass
		2437	-18.82	<=8	Pass
		2452	-19.44	<=8	Pass

Note1: Antenna Gain: Ant1: 1.96dBi;

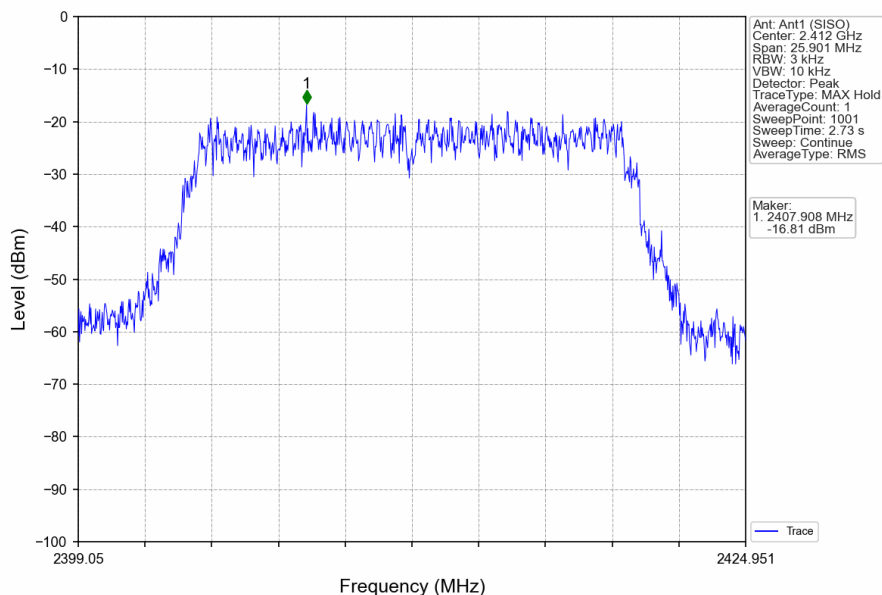
4.1.2 Test Graph



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



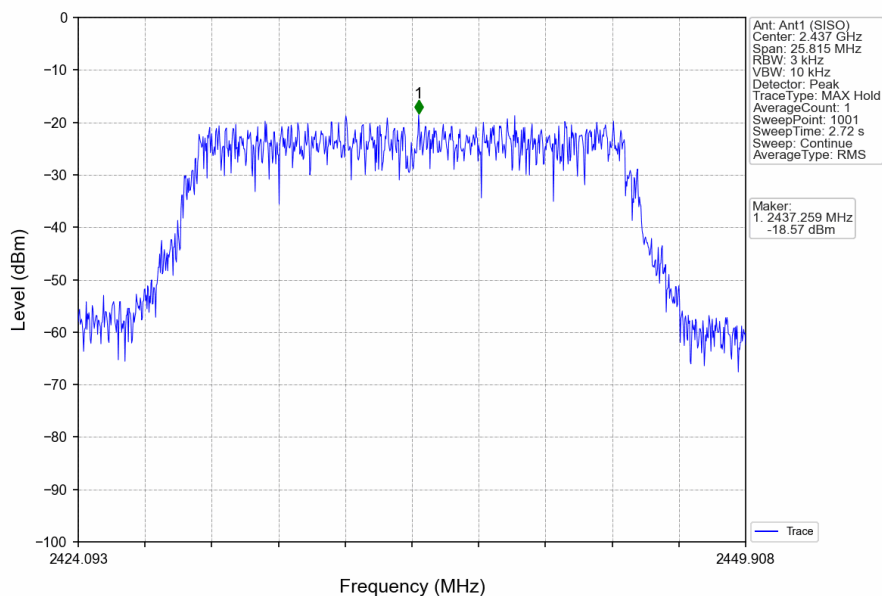
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



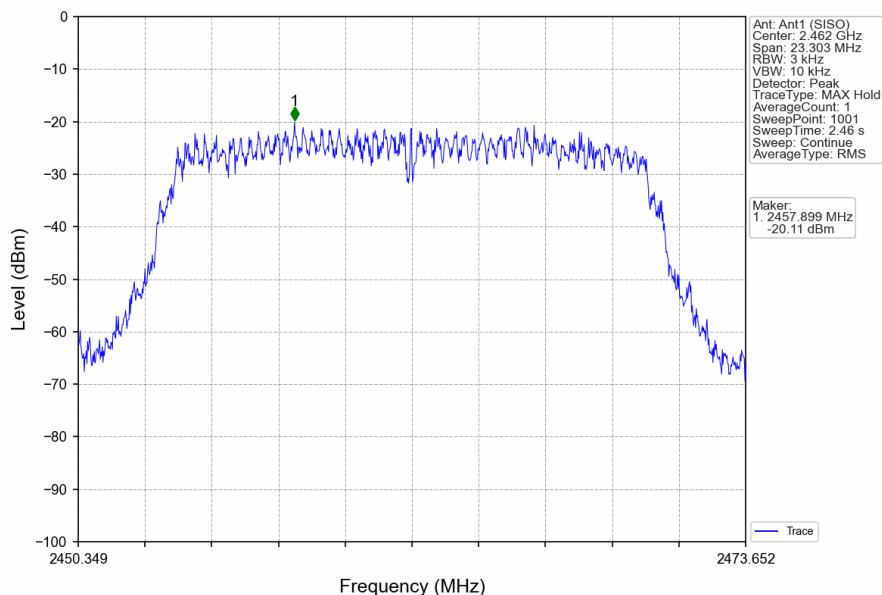
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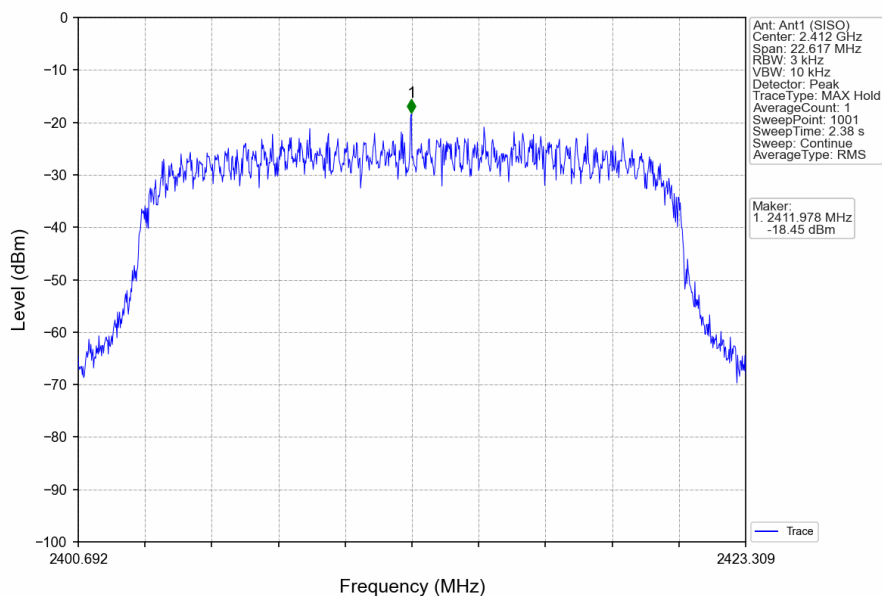
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



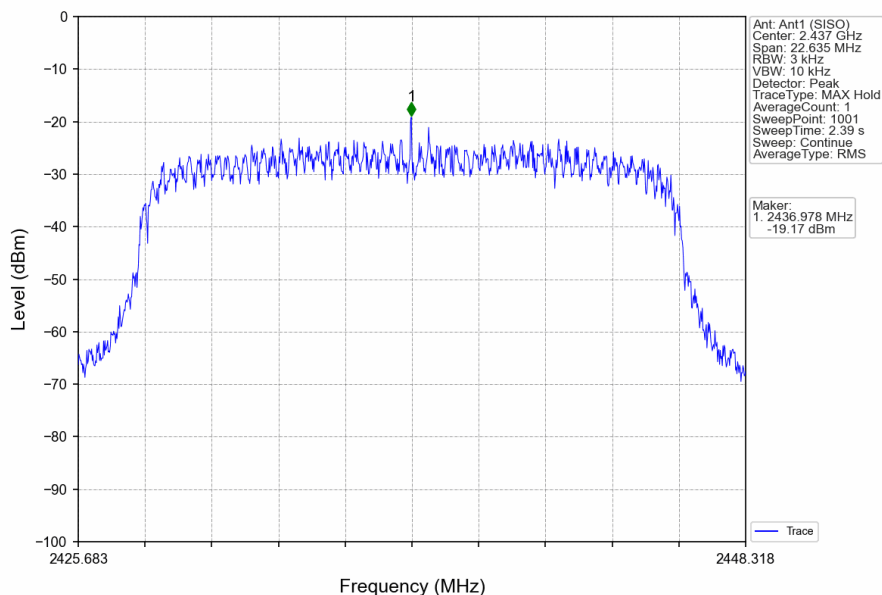
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



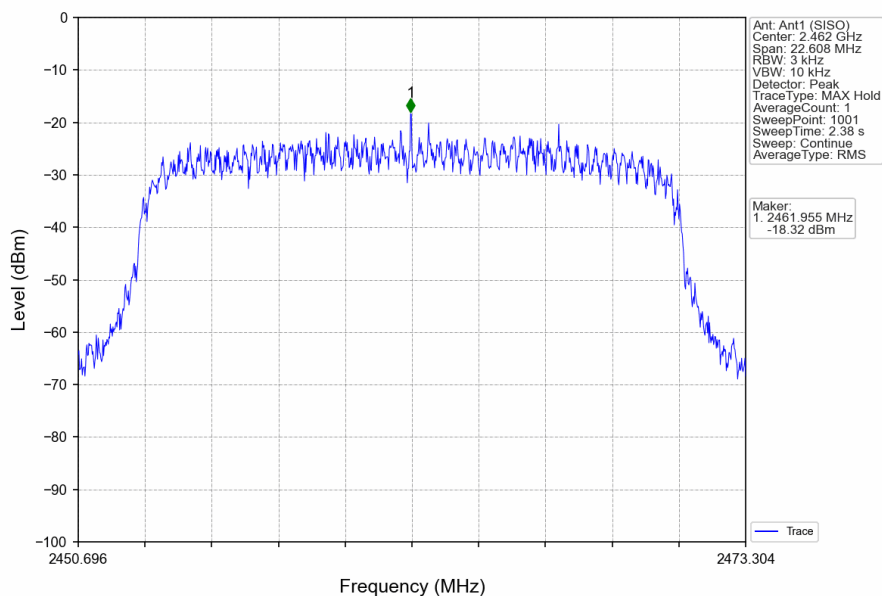
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



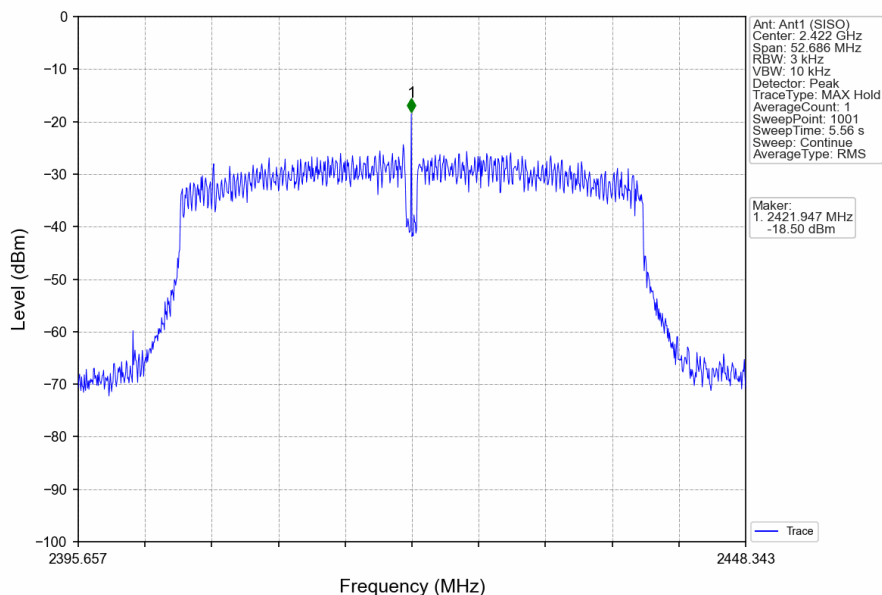
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



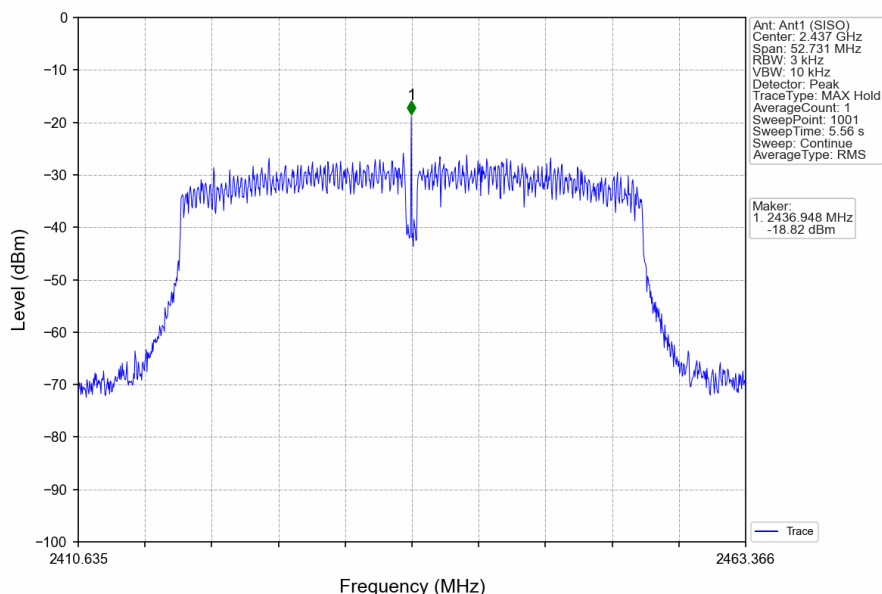
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



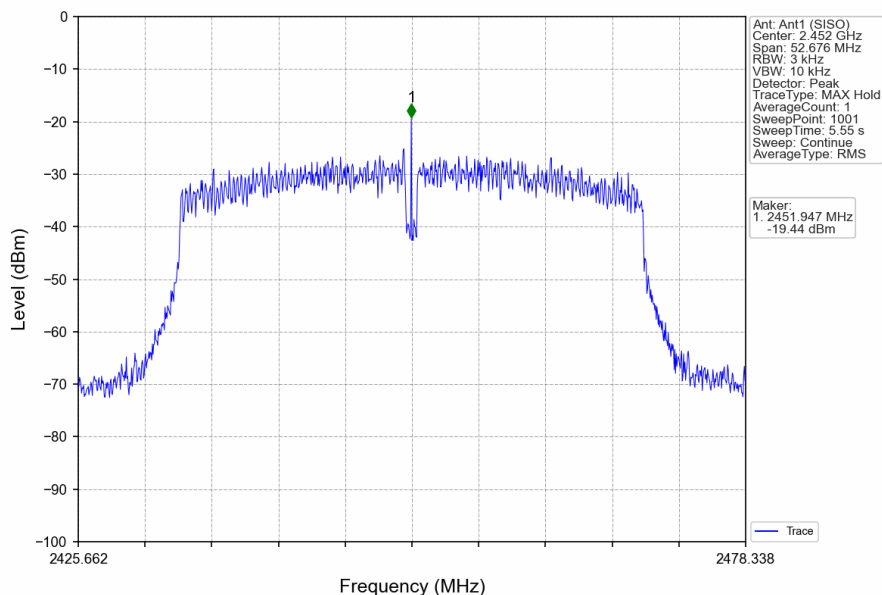
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

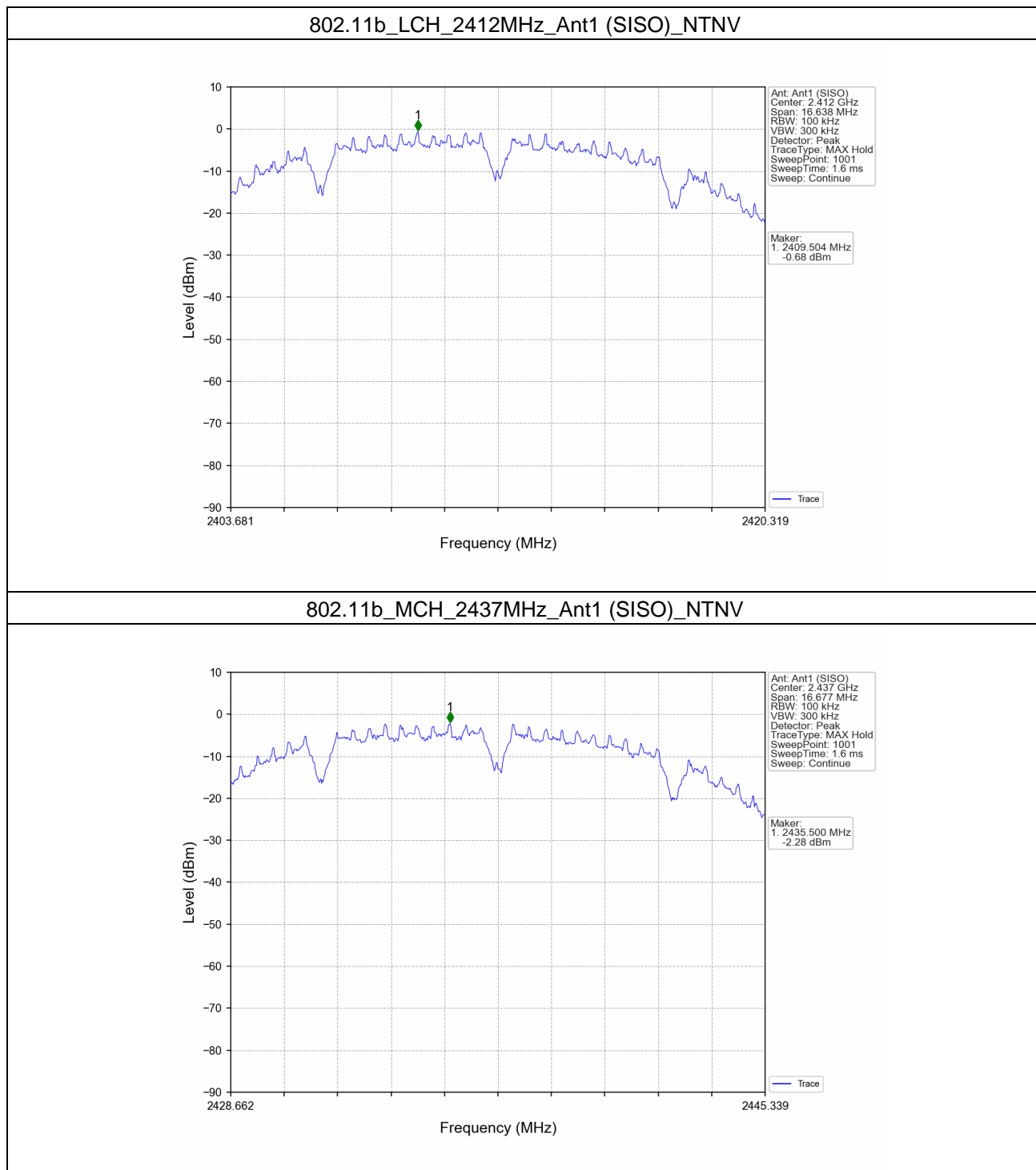
5.1 Ref

5.1.1 Test Result

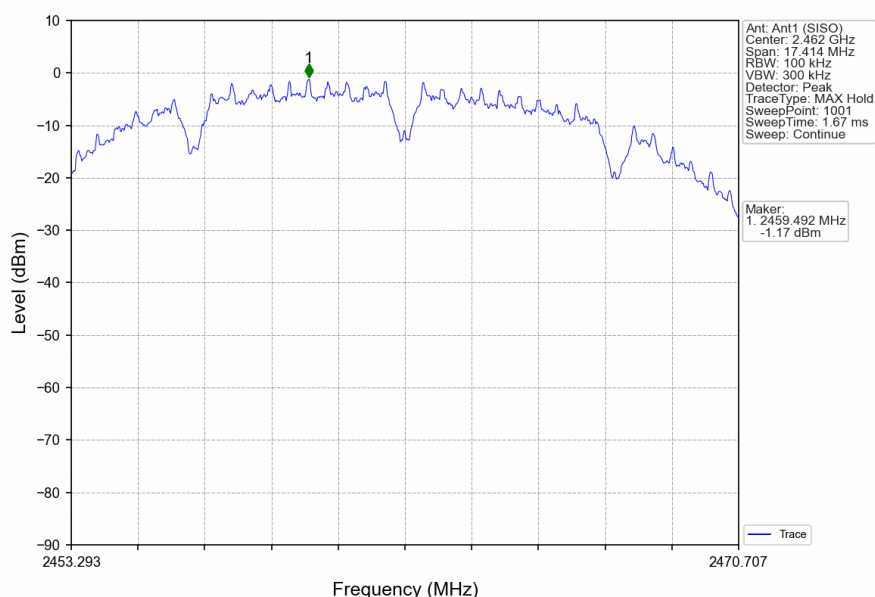
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-0.68
		2437	1	-2.28
		2462	1	-1.17
802.11g	SISO	2412	1	-2.83
		2437	1	-5.74
		2462	1	-5.47
802.11n (HT20)	SISO	2412	1	-2.77
		2437	1	-4.31
		2462	1	-3.26
802.11n (HT40)	SISO	2422	1	-10.20
		2437	1	-11.37
		2452	1	-11.05

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.

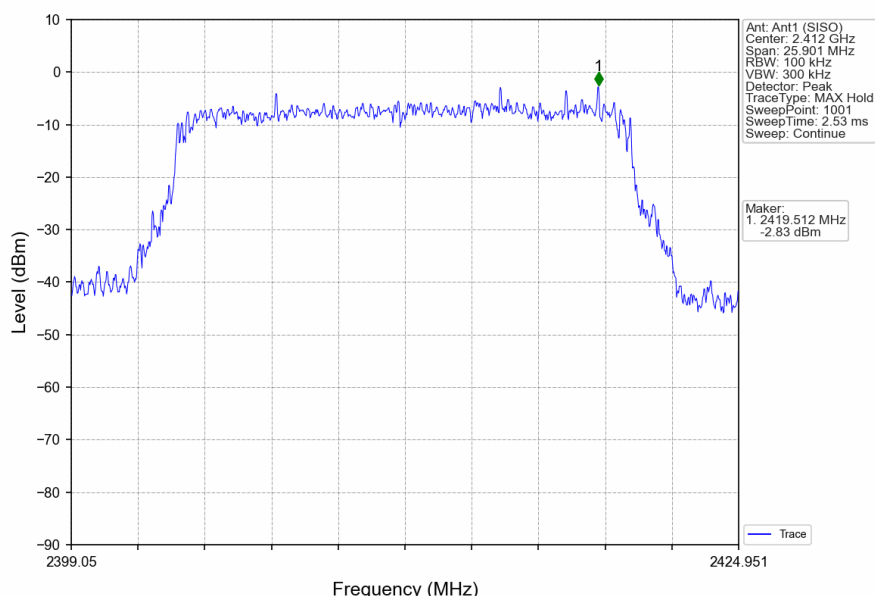
5.1.2 Test Graph



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

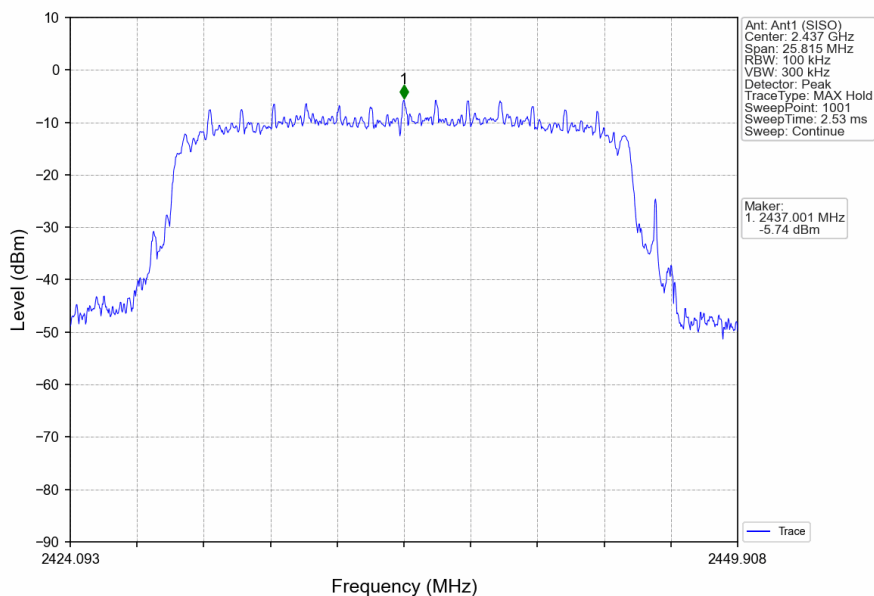


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

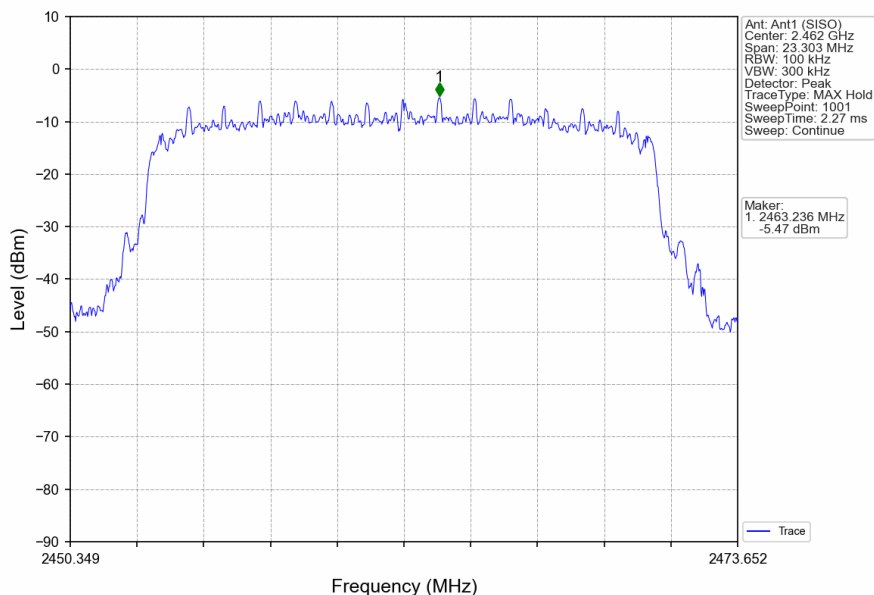


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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



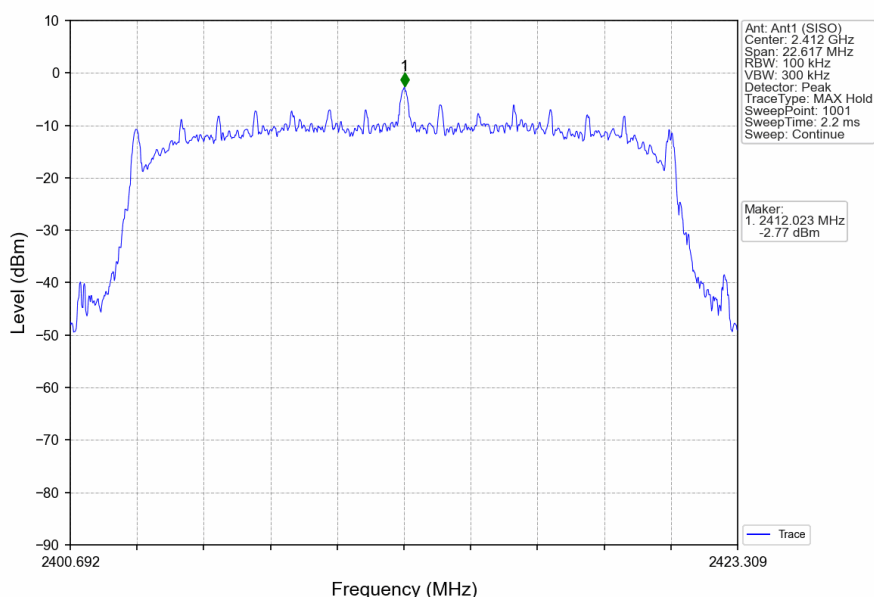
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



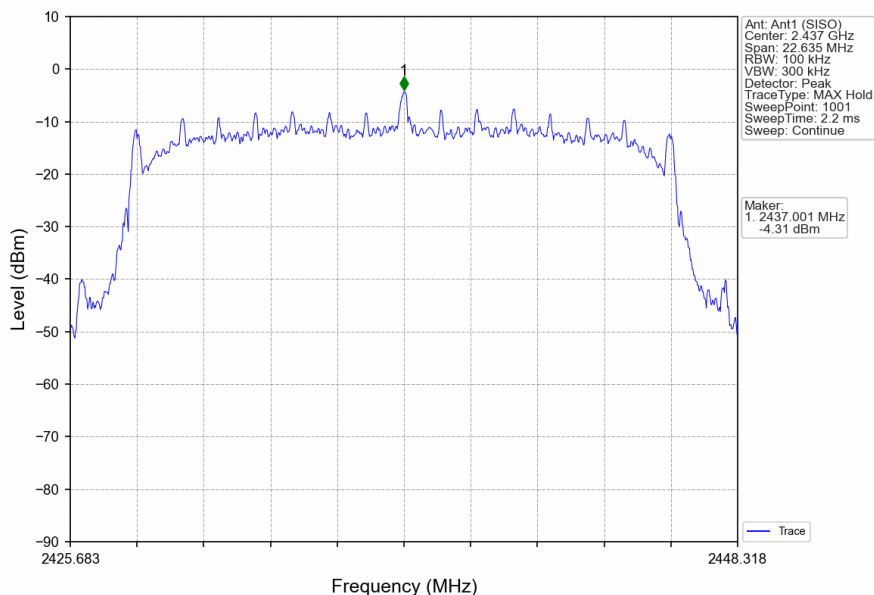
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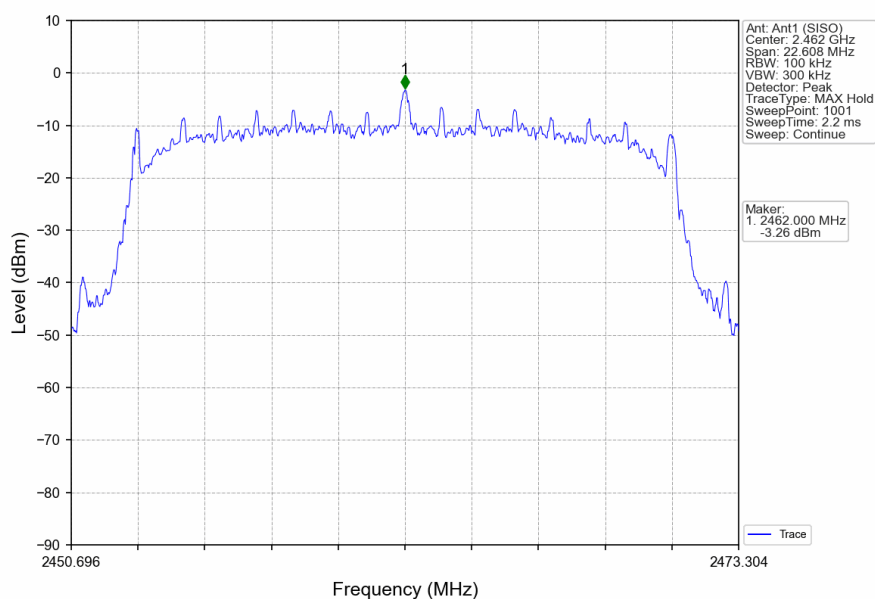
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



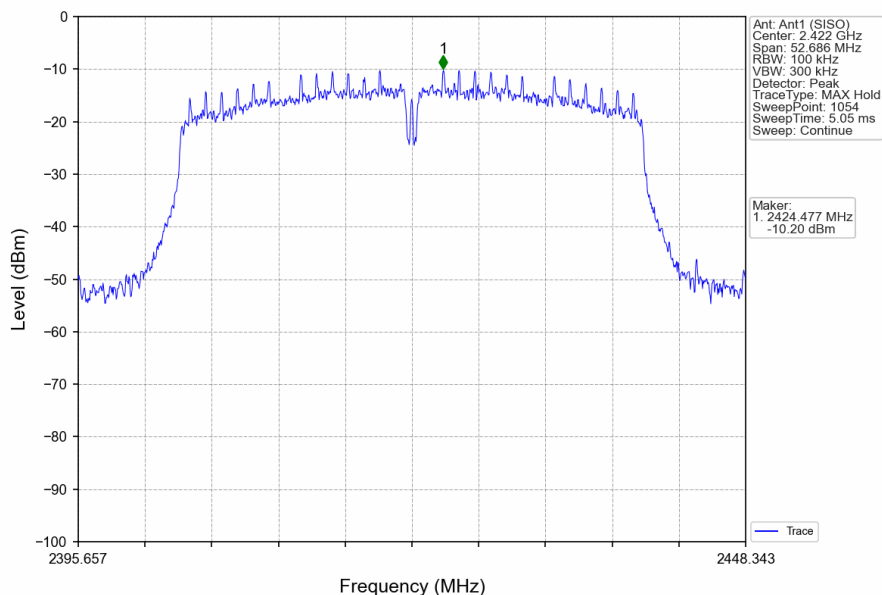
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



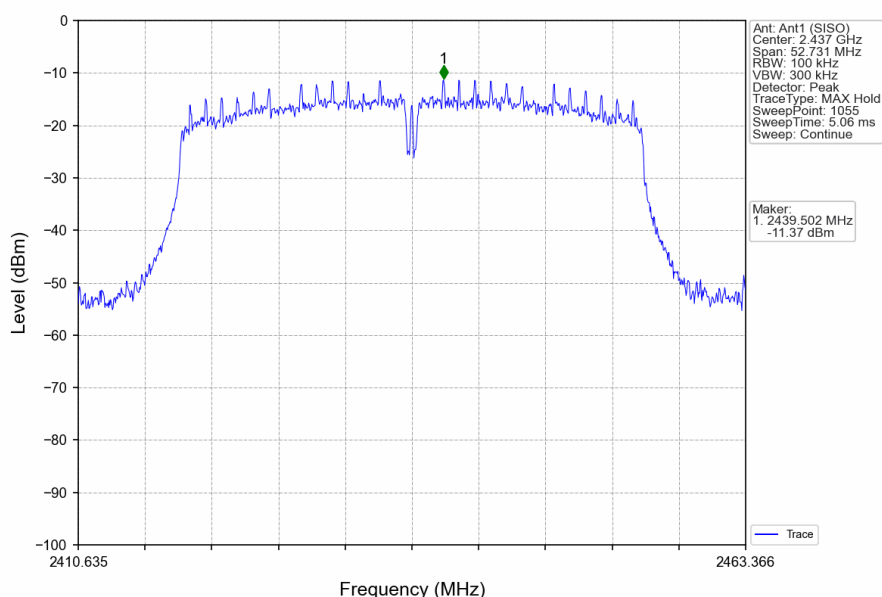
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



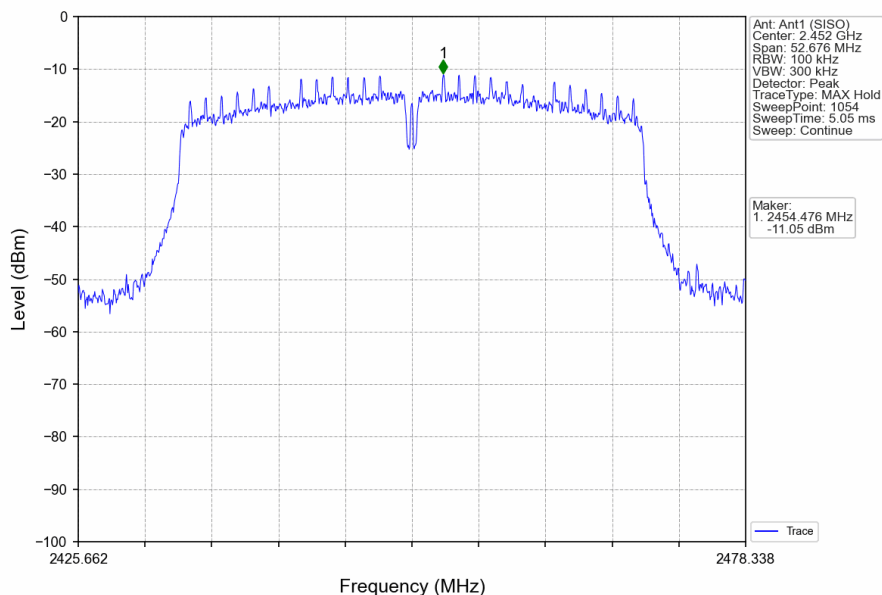
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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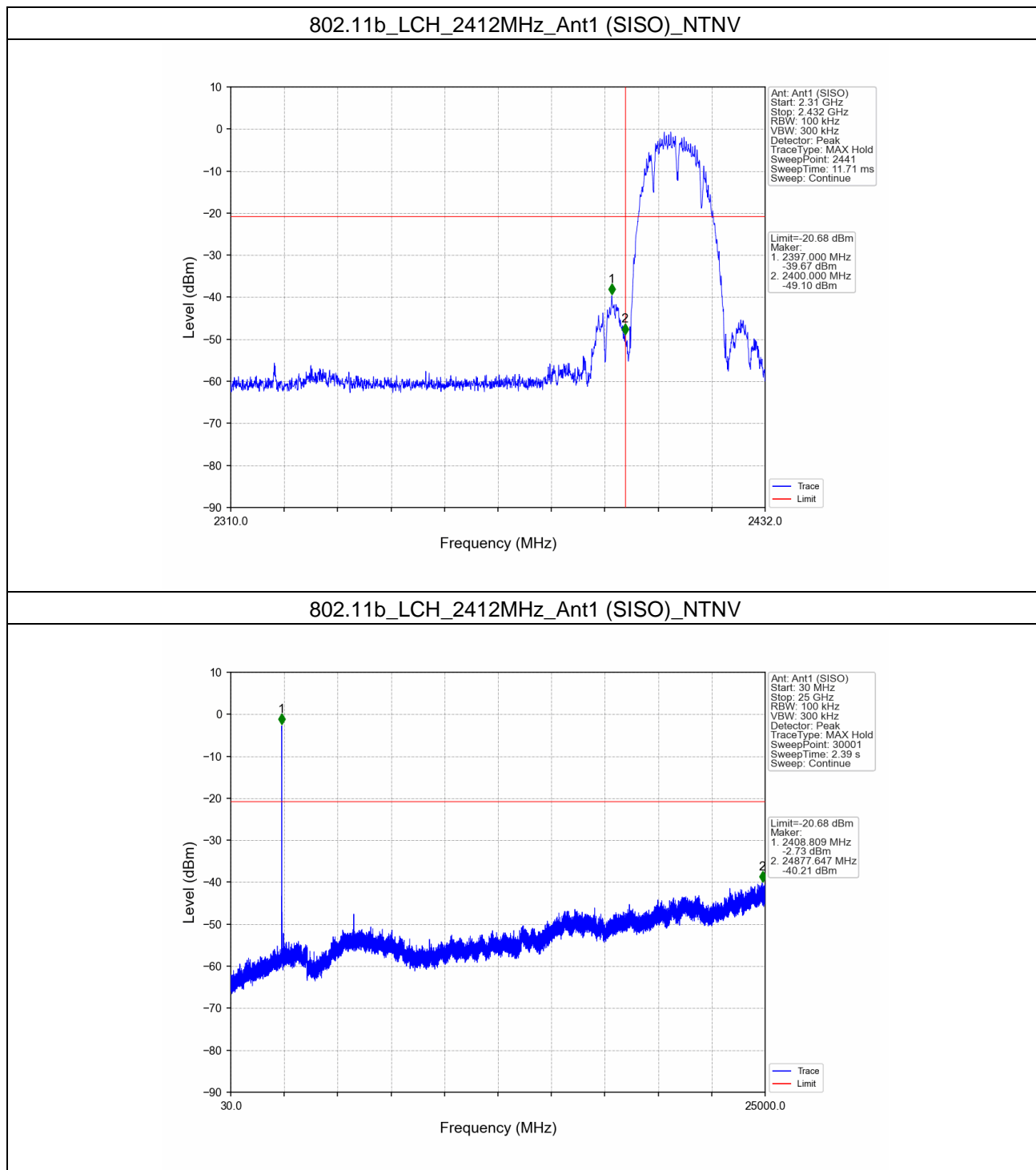
5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-0.68	-20.68	Pass
		2437	1	-0.68	-20.68	Pass
		2462	1	-0.68	-20.68	Pass
802.11g	SISO	2412	1	-2.83	-22.83	Pass
		2437	1	-2.83	-22.83	Pass
		2462	1	-2.83	-22.83	Pass
802.11n (HT20)	SISO	2412	1	-2.77	-22.77	Pass
		2437	1	-2.77	-22.77	Pass
		2462	1	-2.77	-22.77	Pass
802.11n (HT40)	SISO	2422	1	-10.20	-30.20	Pass
		2437	1	-10.20	-30.20	Pass
		2452	1	-10.20	-30.20	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.

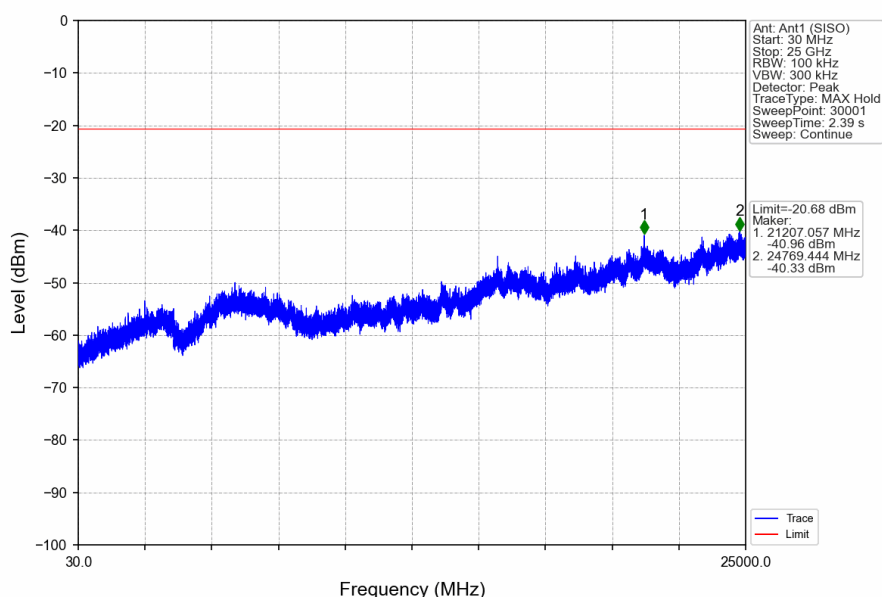
5.2.2 Test Graph



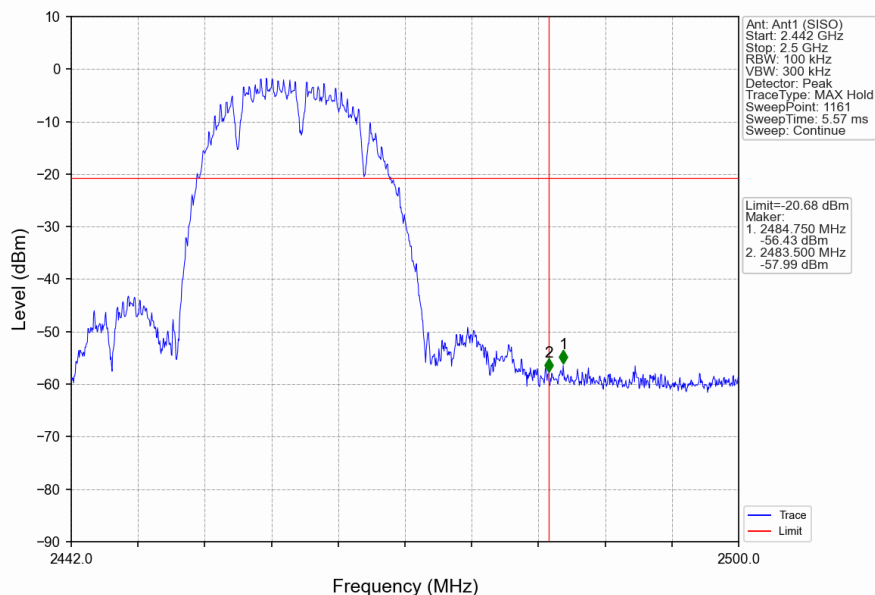
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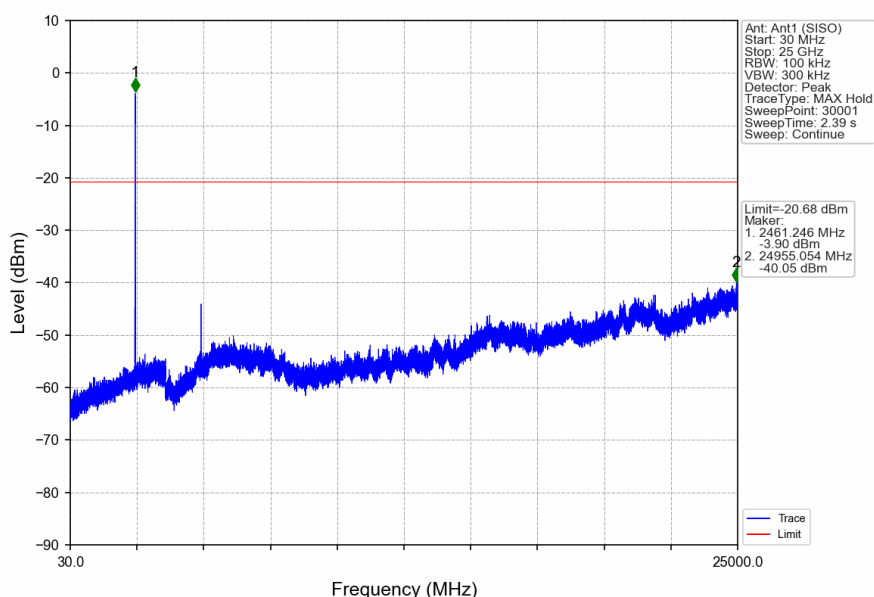
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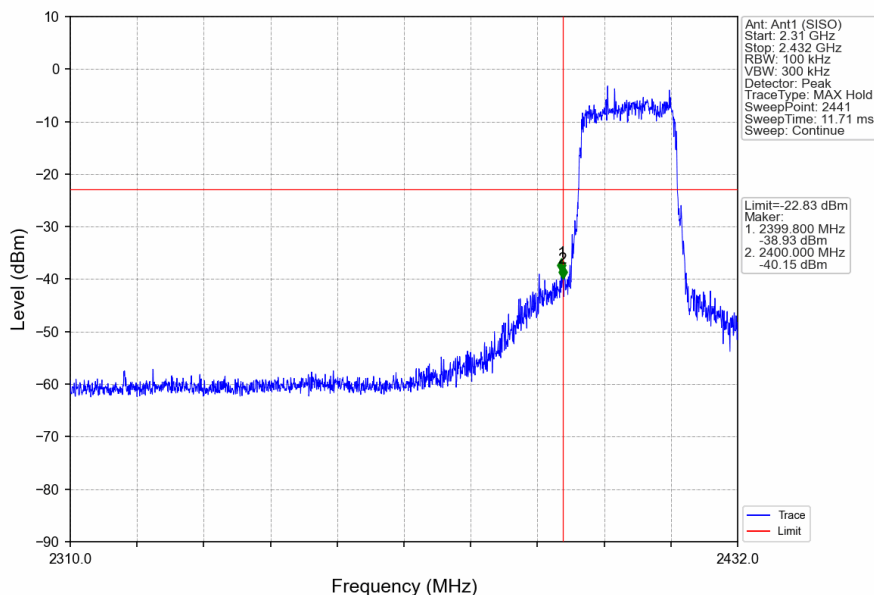
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



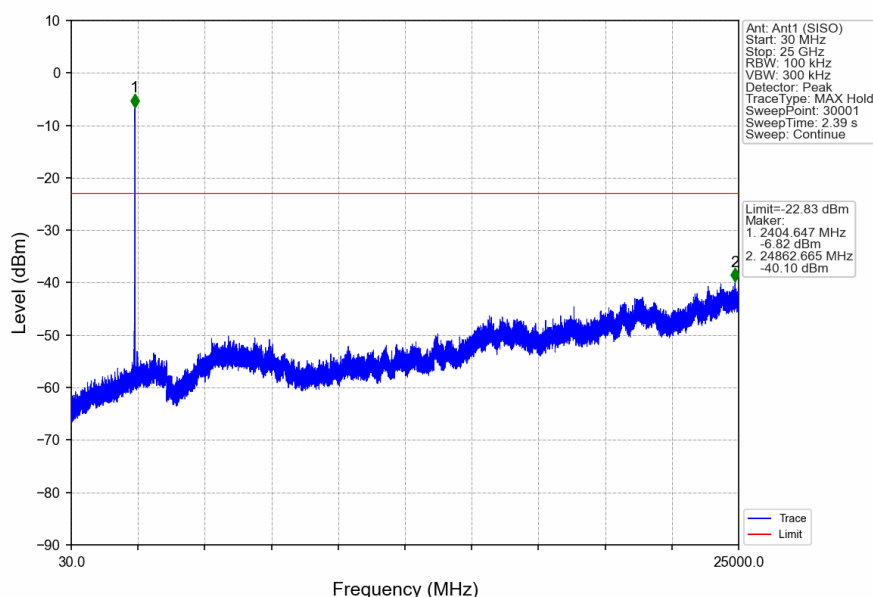
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



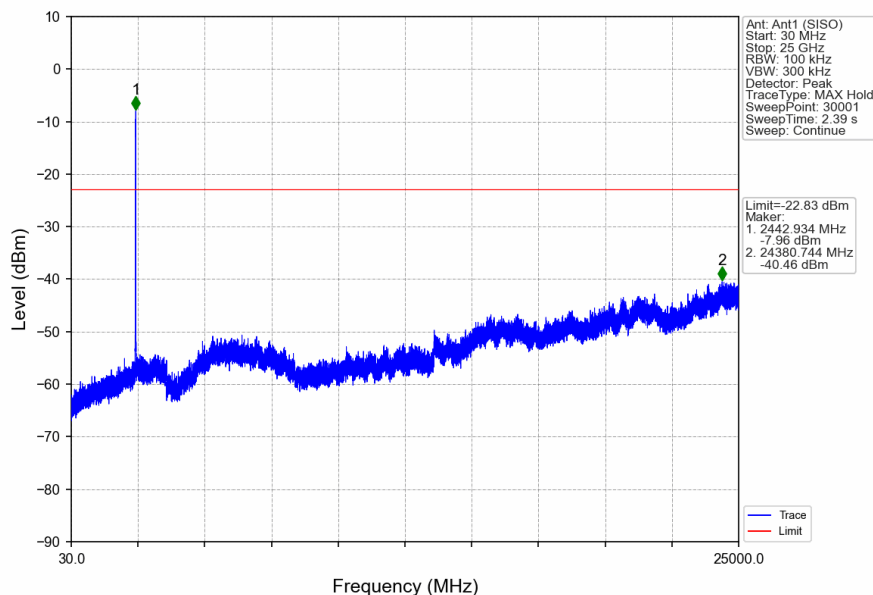
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



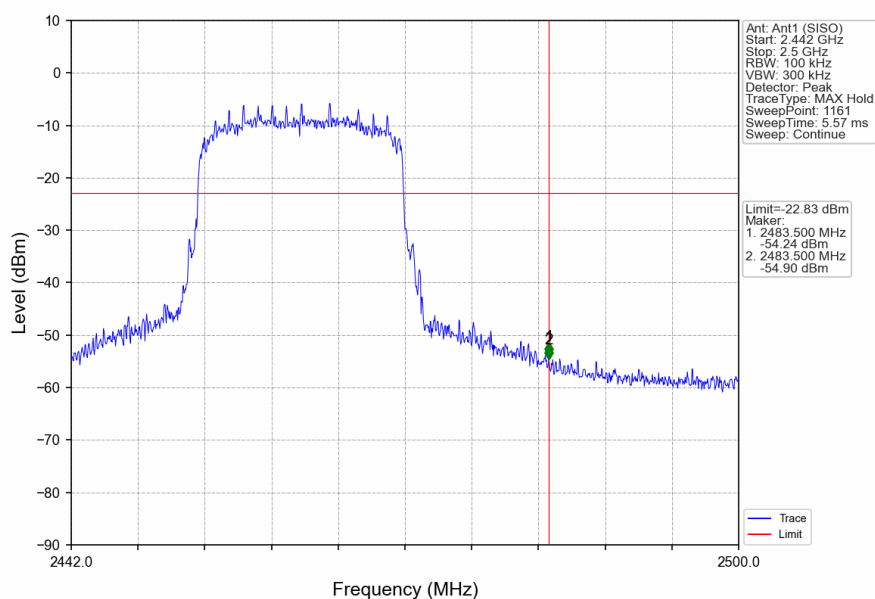
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



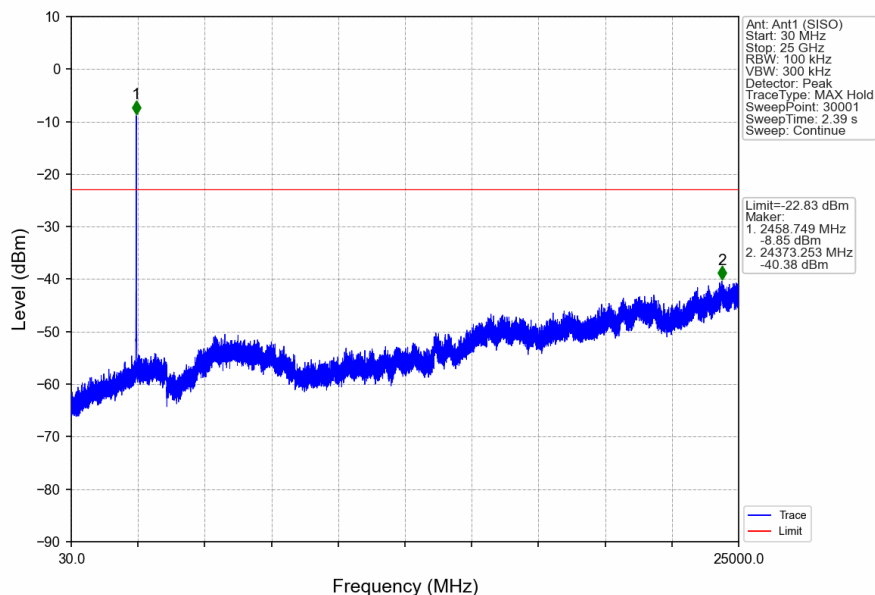
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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