



1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.41	8.62	97.53	0.11	1.53
		2437	/	/	8.42	8.58	98.09	0.08	1.04
		2462	/	/	8.41	8.61	97.68	0.10	1.46
802.11g	SISO	2412	/	/	1.39	1.61	86.40	0.63	2.47
		2437	/	/	1.39	1.59	87.45	0.58	6.92
		2462	/	/	1.39	1.59	87.32	0.59	2.56
802.11n (HT20)	MIMO	2412	/	/	1.29	1.50	86.09	0.65	7.86
		2437	/	/	1.29	1.46	88.19	0.55	5.77
		2462	/	/	1.29	1.50	86.02	0.65	7.27
802.11n (HT40)	MIMO	2422	/	/	0.64	0.85	75.41	1.23	13.10
		2437	/	/	0.64	0.86	74.71	1.27	13.87
		2452	/	/	0.64	0.81	79.70	0.99	7.82

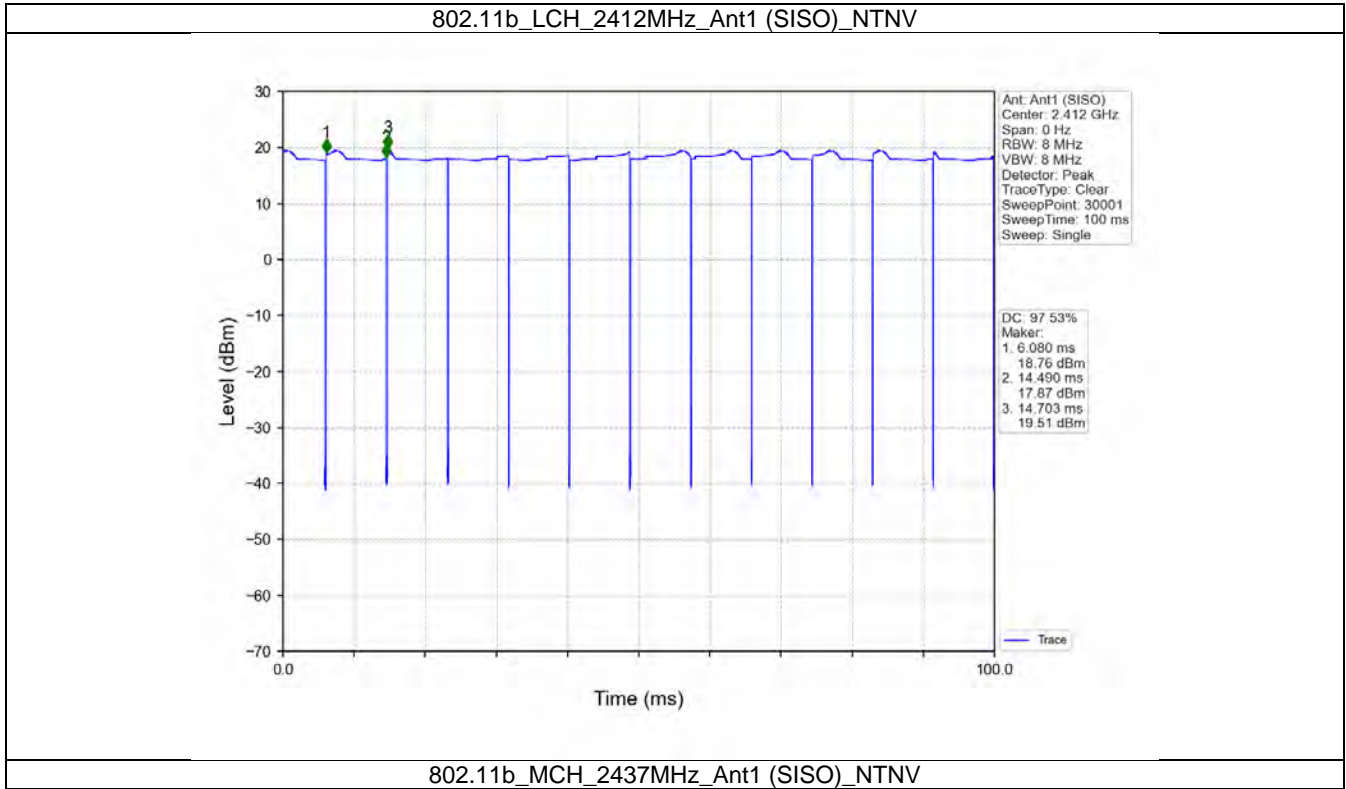
Note1: Only for Report Use



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1.1.2 Test Graph

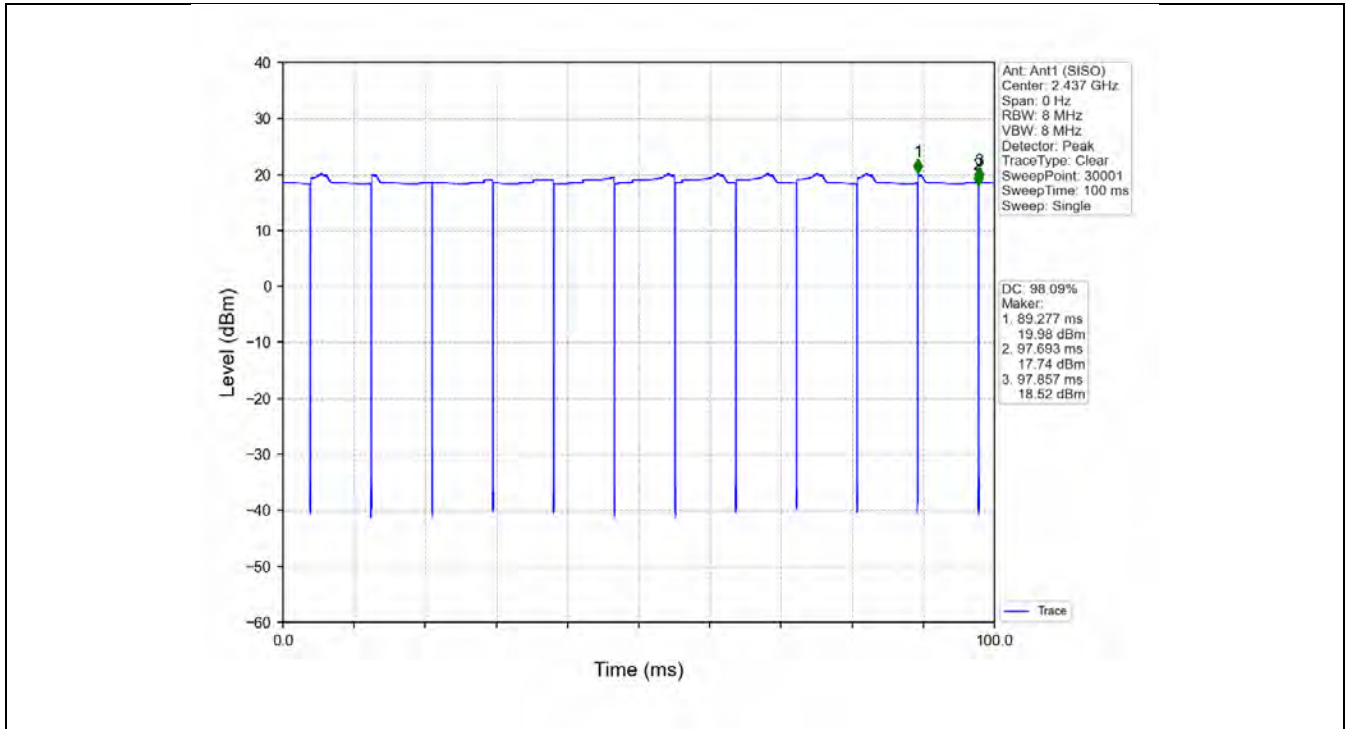


802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



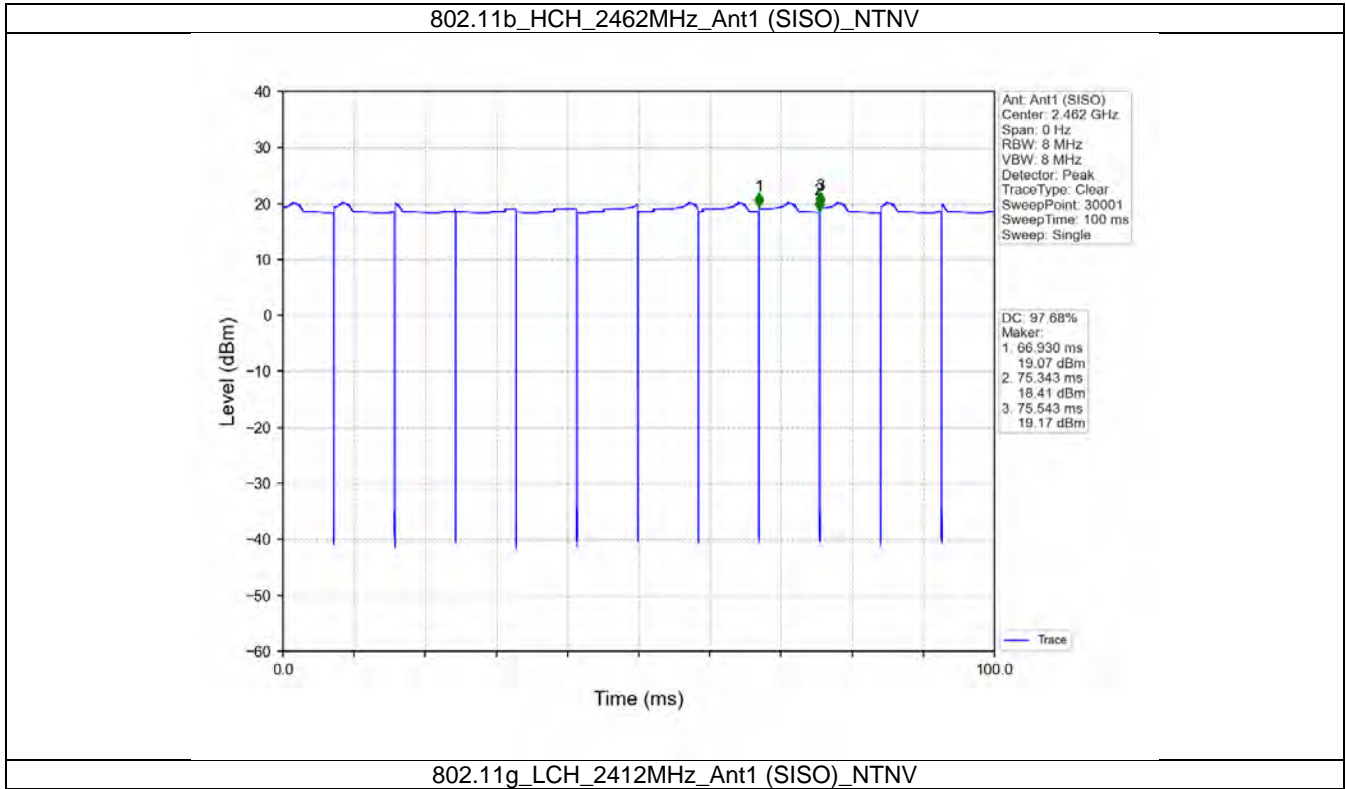
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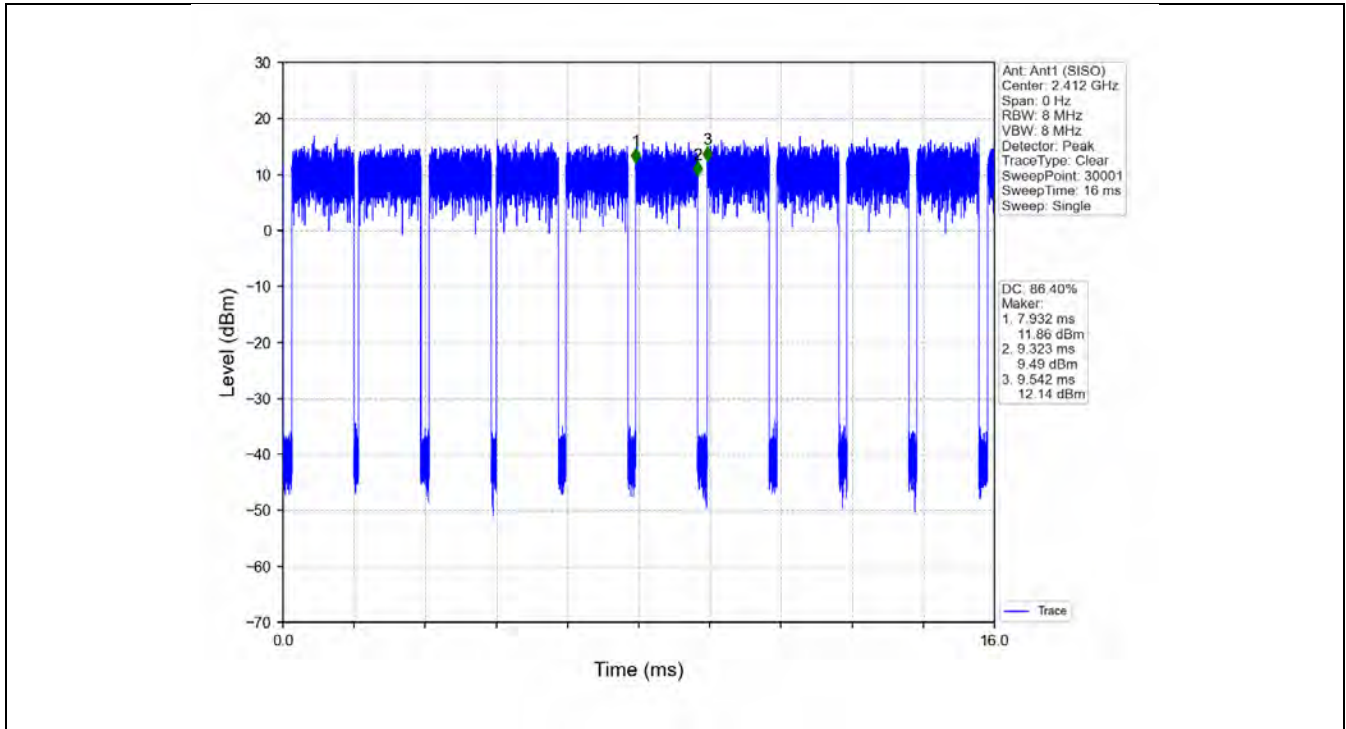
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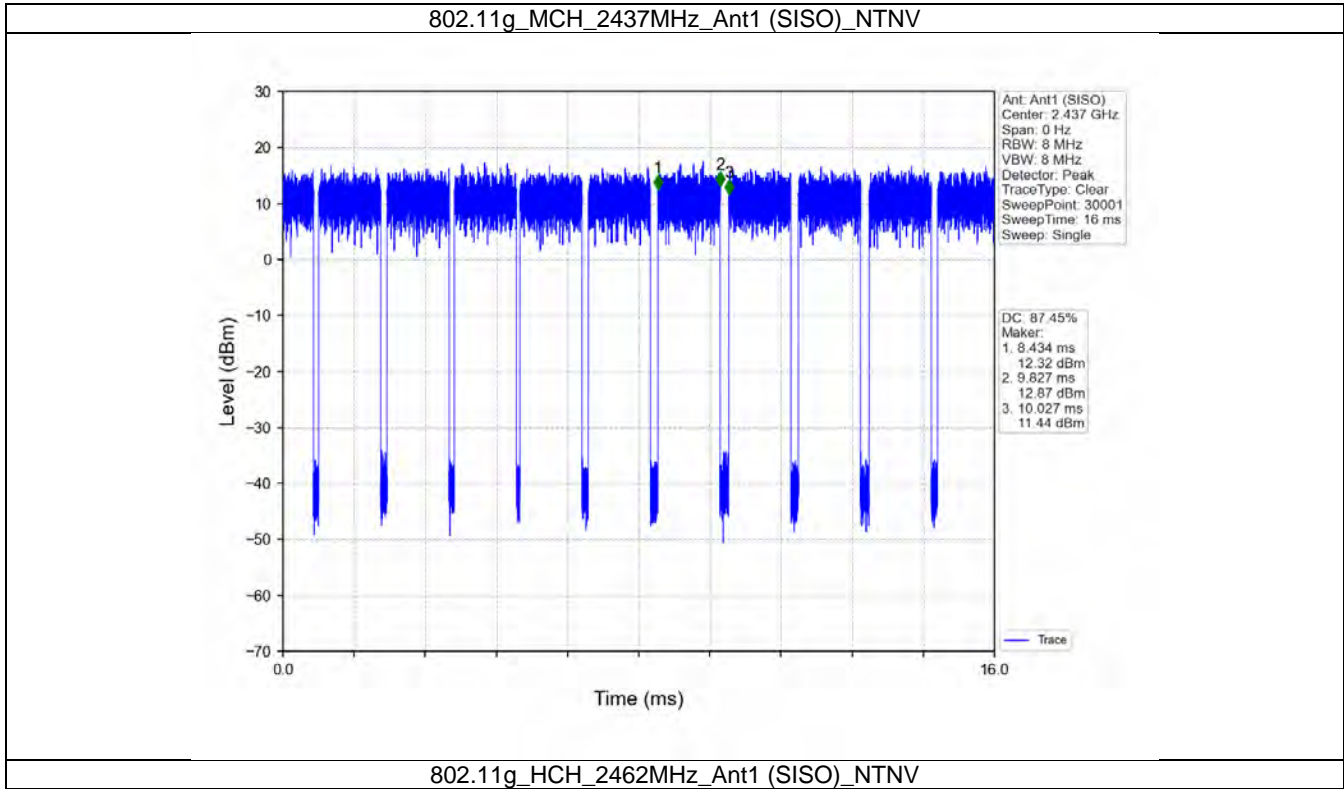
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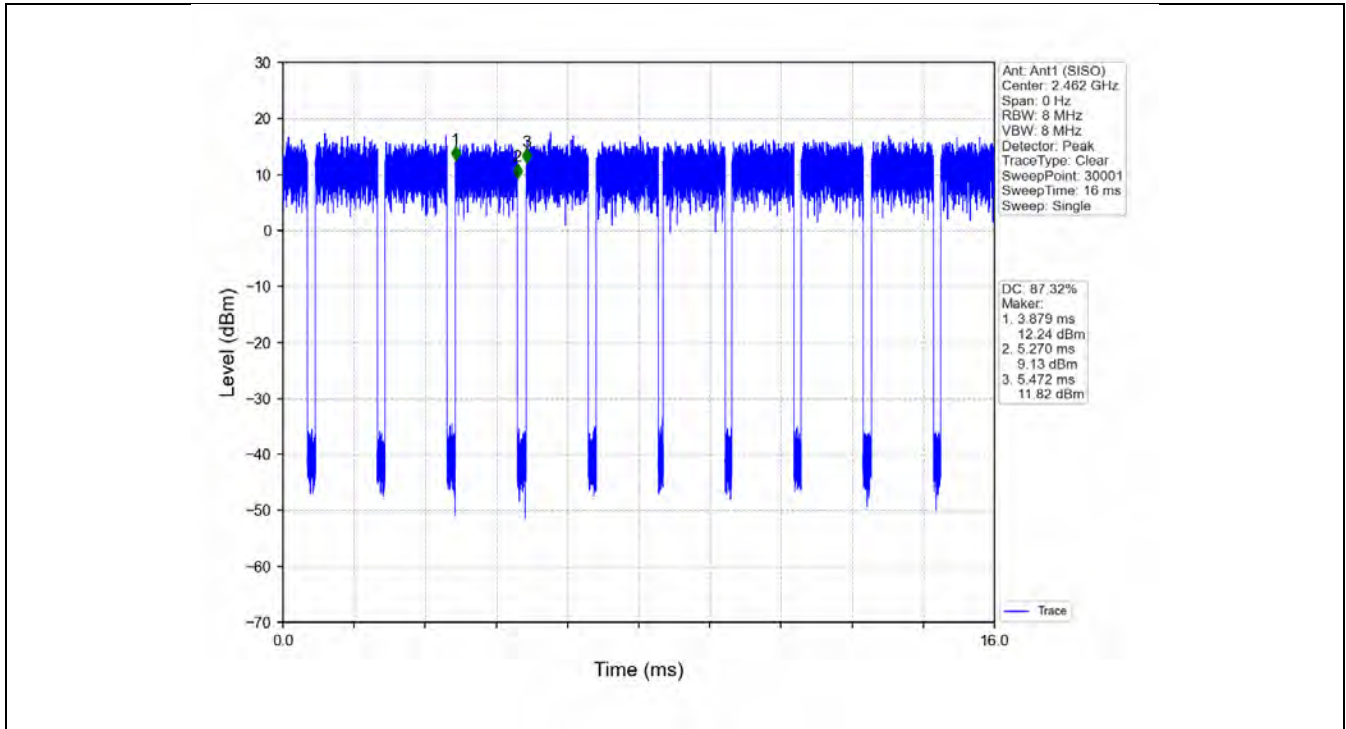
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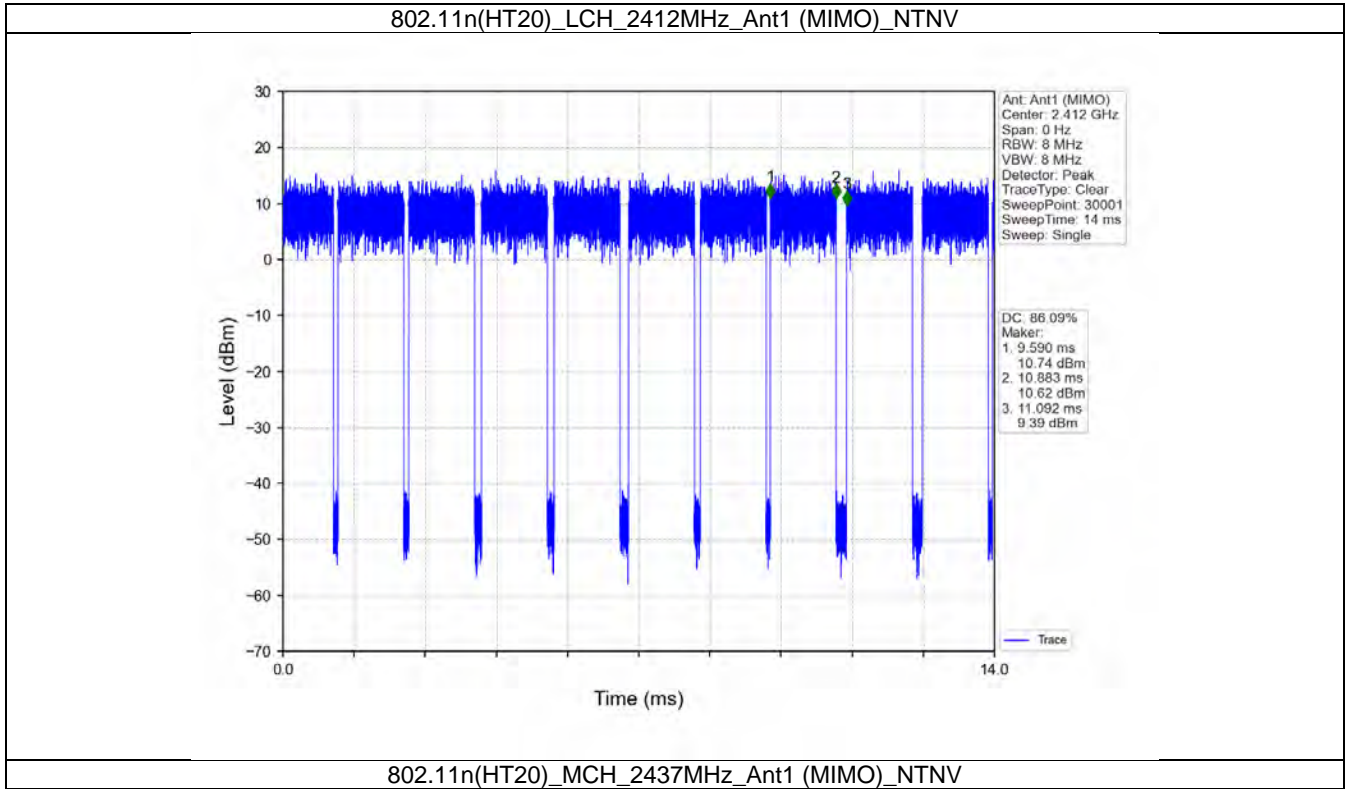
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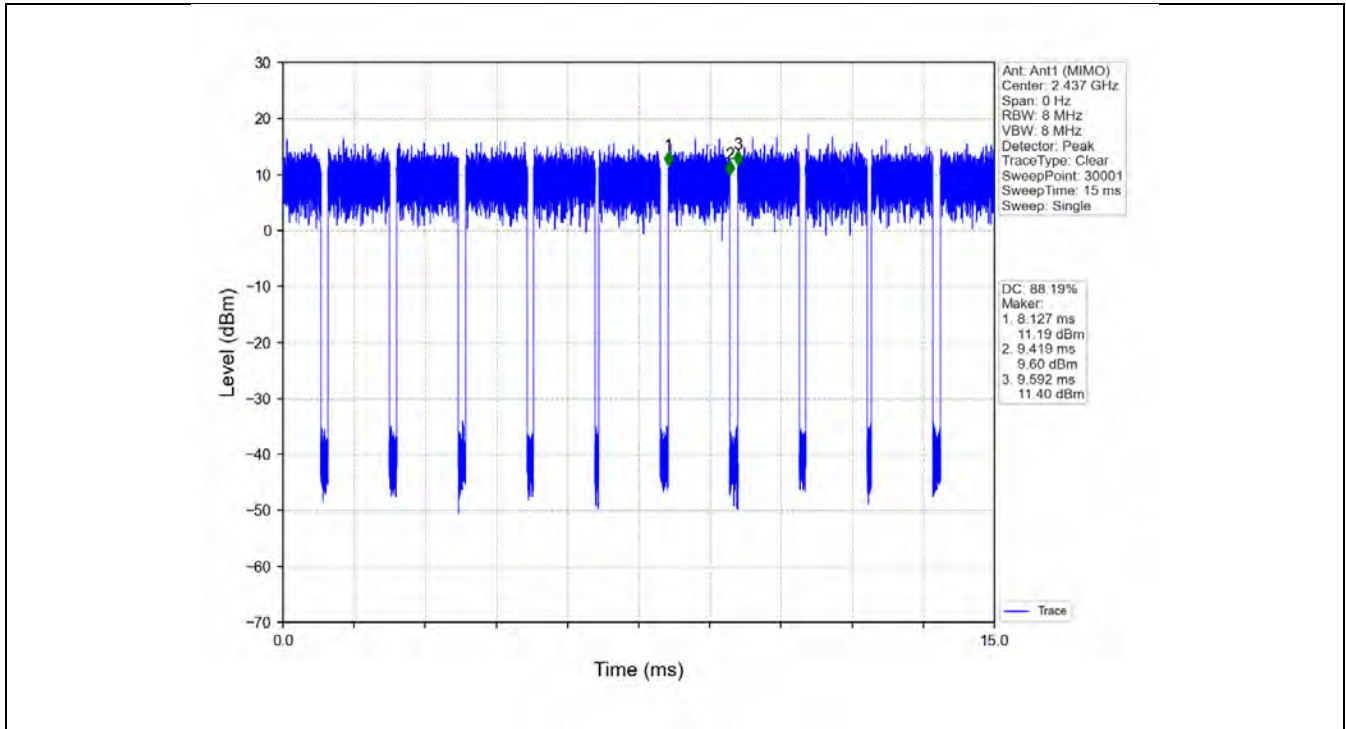
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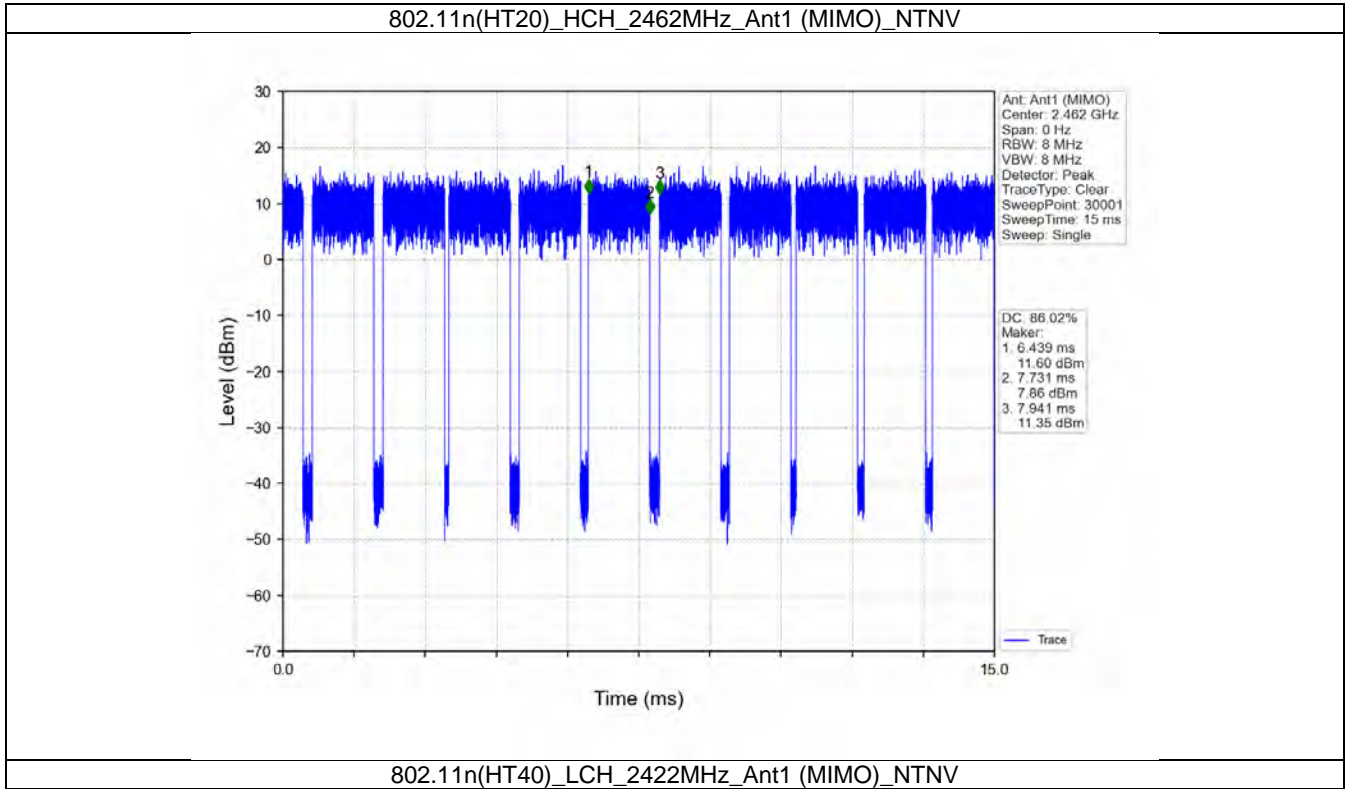
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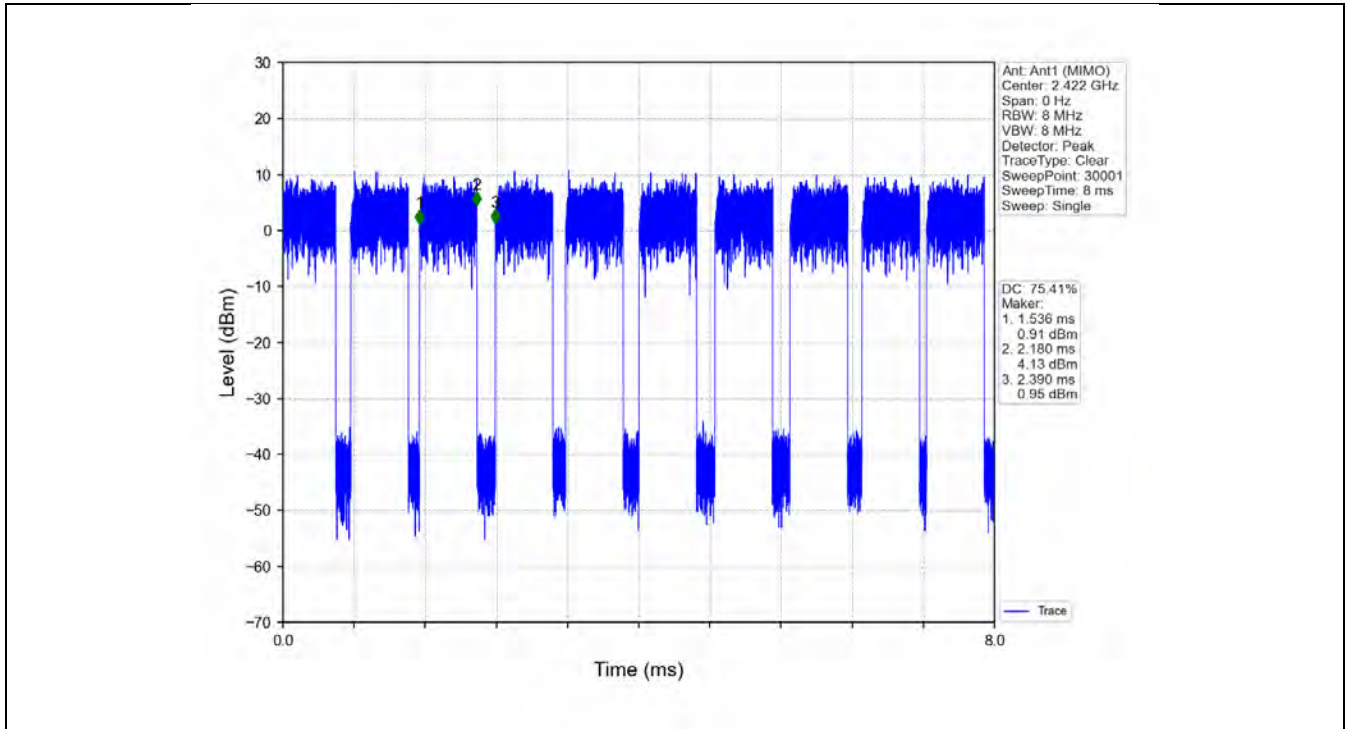
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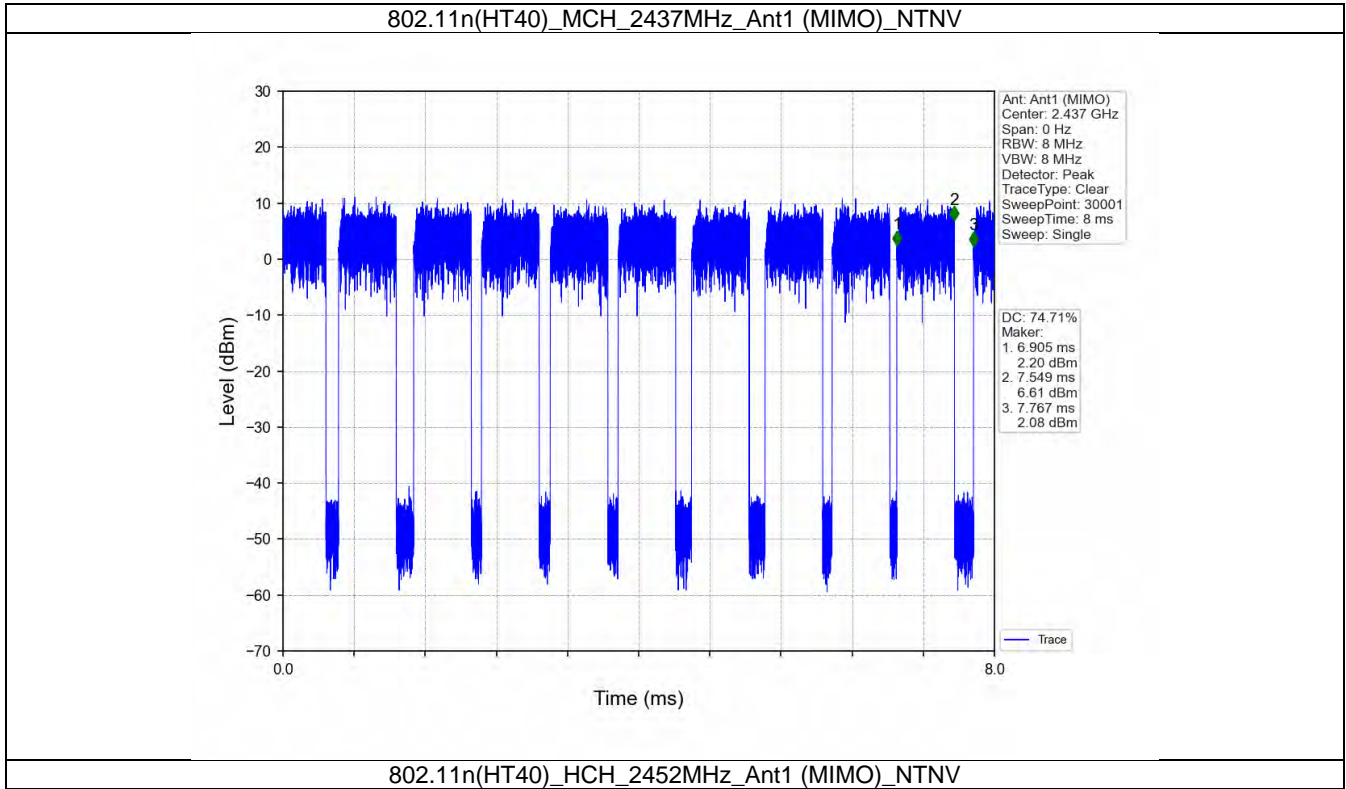
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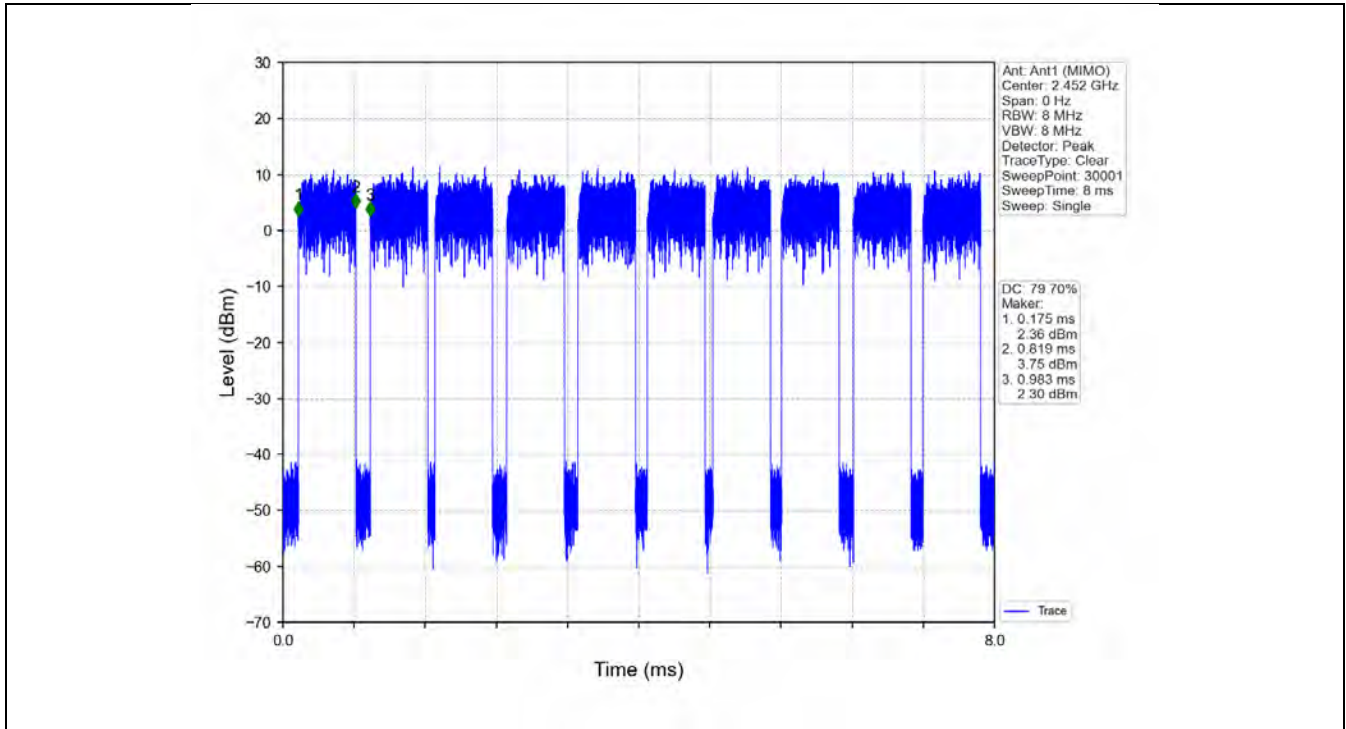


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1.2 Ant2

1.2.1 Test Result

Ant2									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.42	8.60	97.91	0.09	1.11
		2437	/	/	8.42	8.60	97.91	0.09	1.11
		2462	/	/	8.42	8.58	98.10	0.08	1.04
802.11g	SISO	2412	/	/	1.39	1.61	86.34	0.64	6.79
		2437	/	/	1.39	1.61	86.47	0.63	7.91
		2462	/	/	1.39	1.60	86.95	0.61	5.71
802.11n (HT20)	MIMO	2412	/	/	1.29	1.50	86.08	0.65	7.85
		2437	/	/	1.29	1.50	86.02	0.65	7.25
		2462	/	/	1.29	1.51	85.51	0.68	7.81
802.11n (HT40)	MIMO	2422	/	/	0.64	0.84	76.30	1.17	12.25
		2437	/	/	0.64	0.86	74.71	1.27	13.89
		2452	/	/	0.64	0.84	76.42	1.17	12.31

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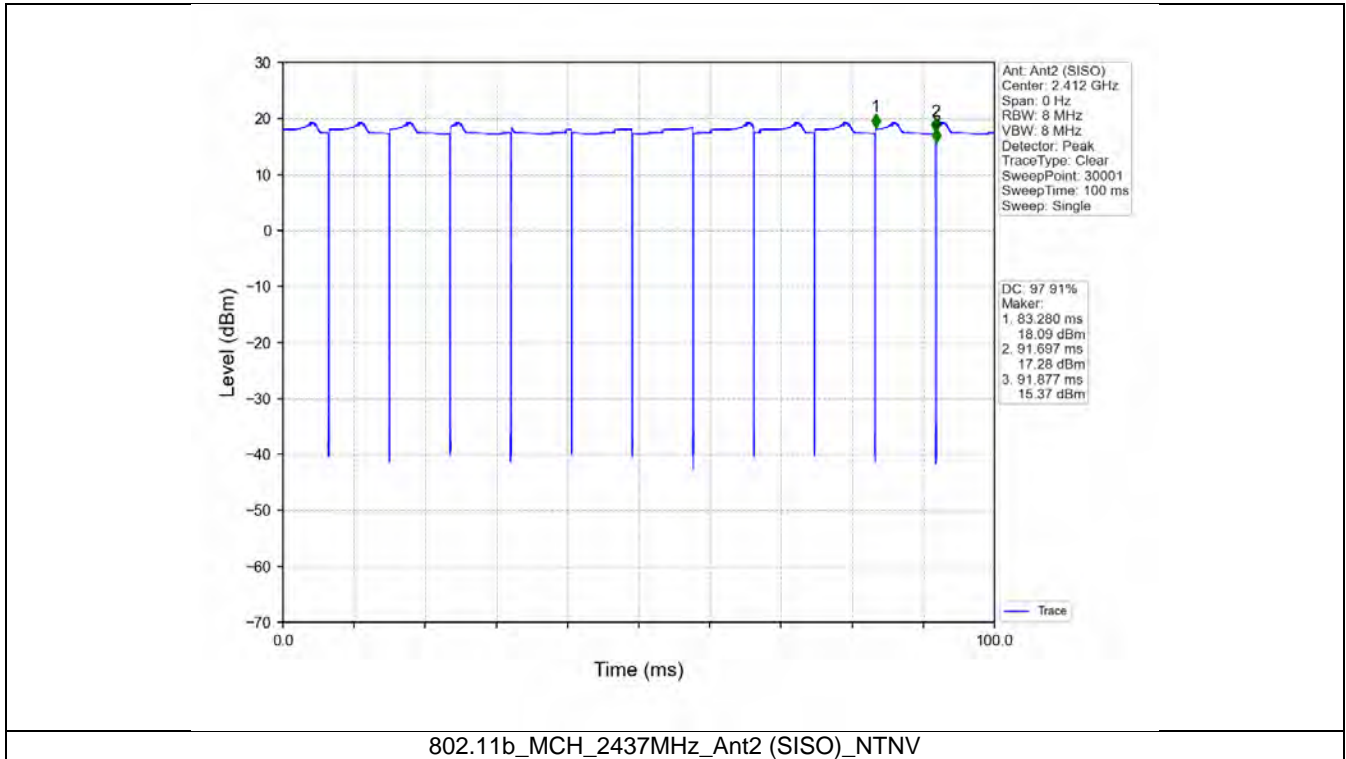
1.2.2 Test Graph

802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



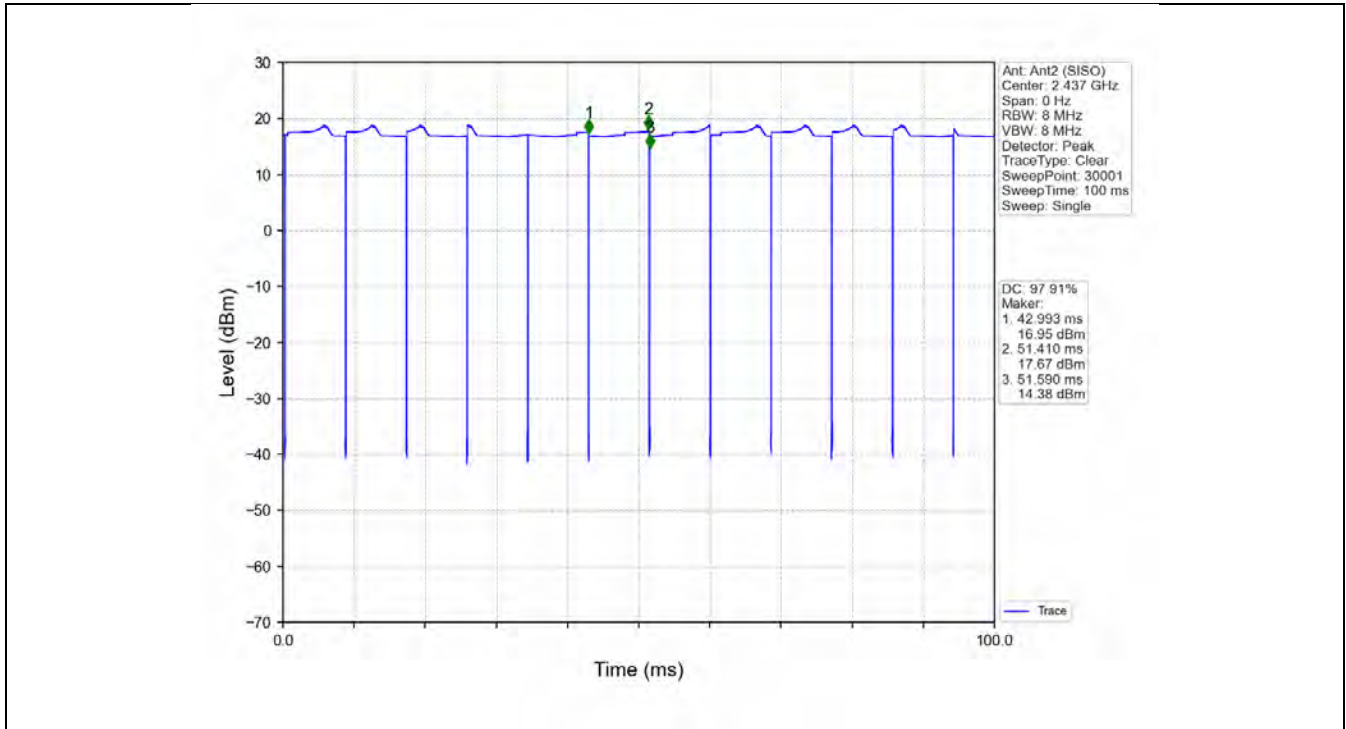
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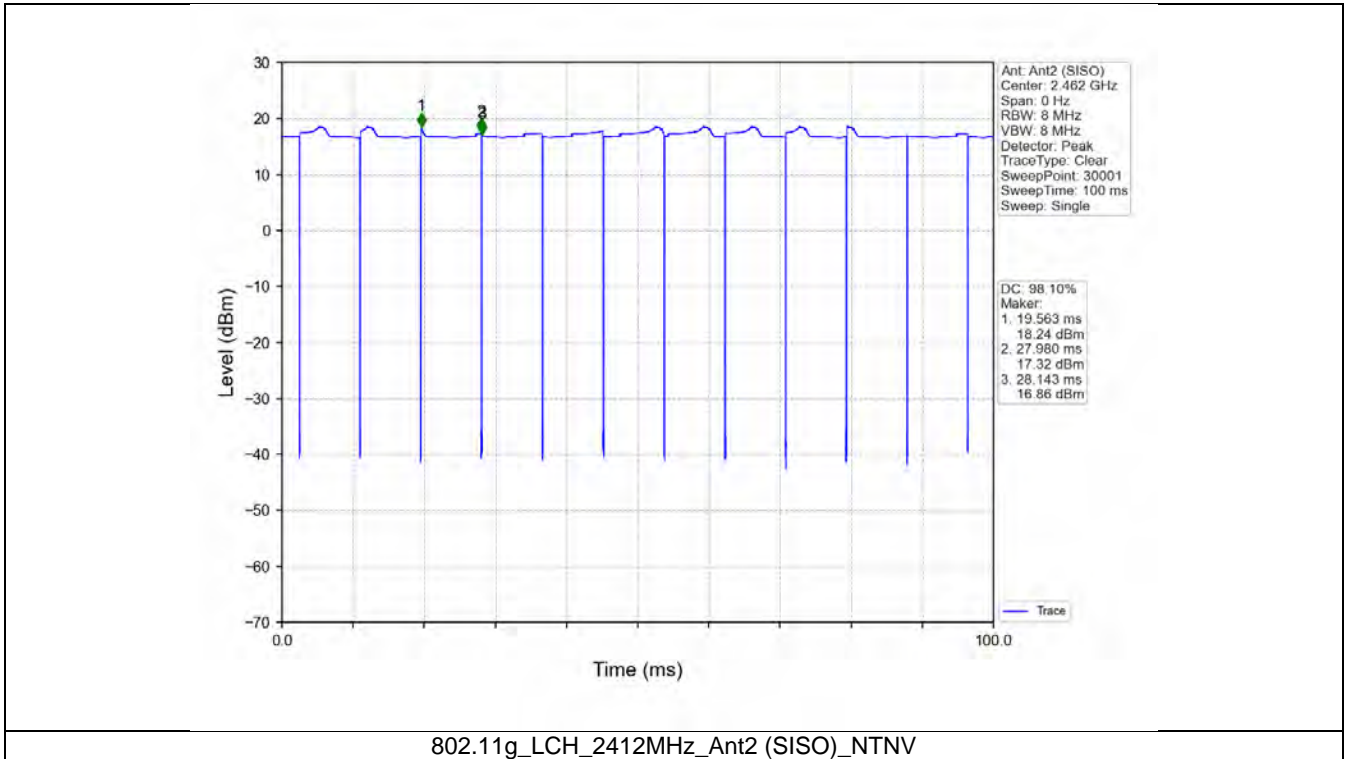


802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



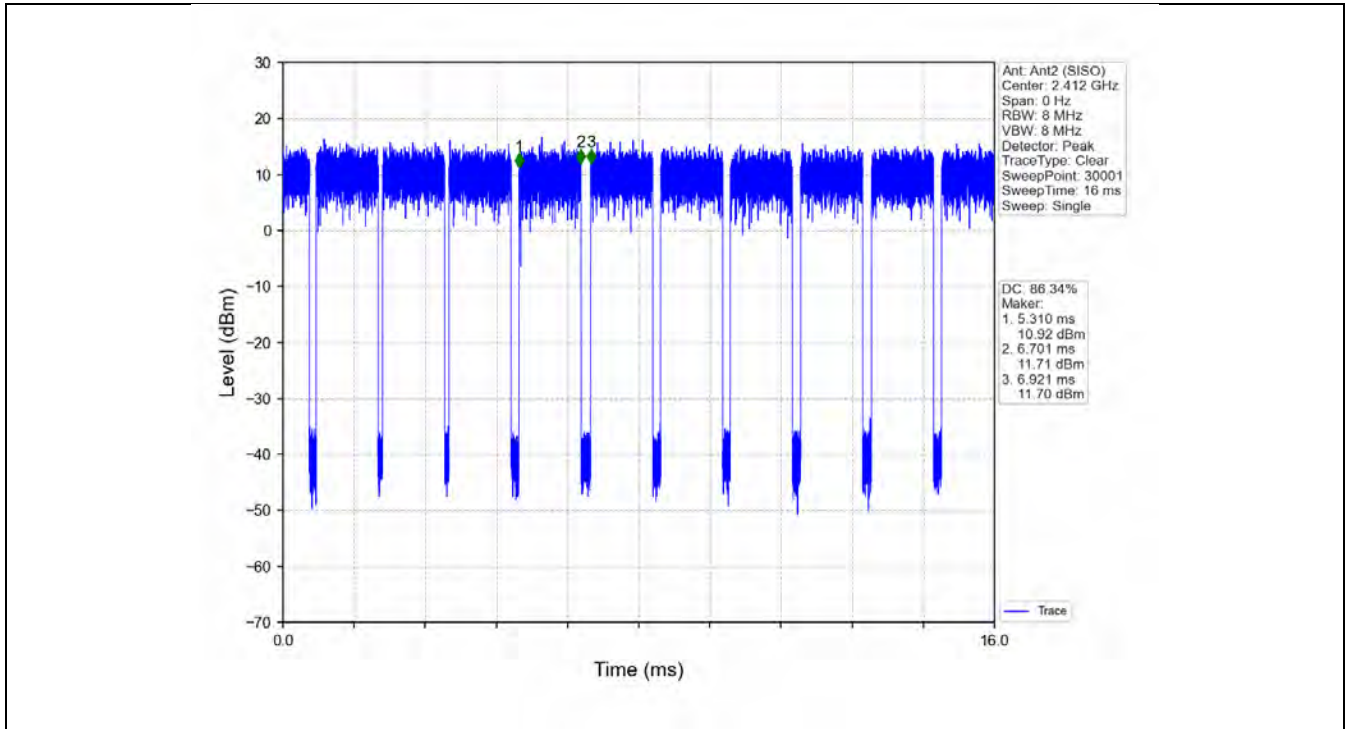
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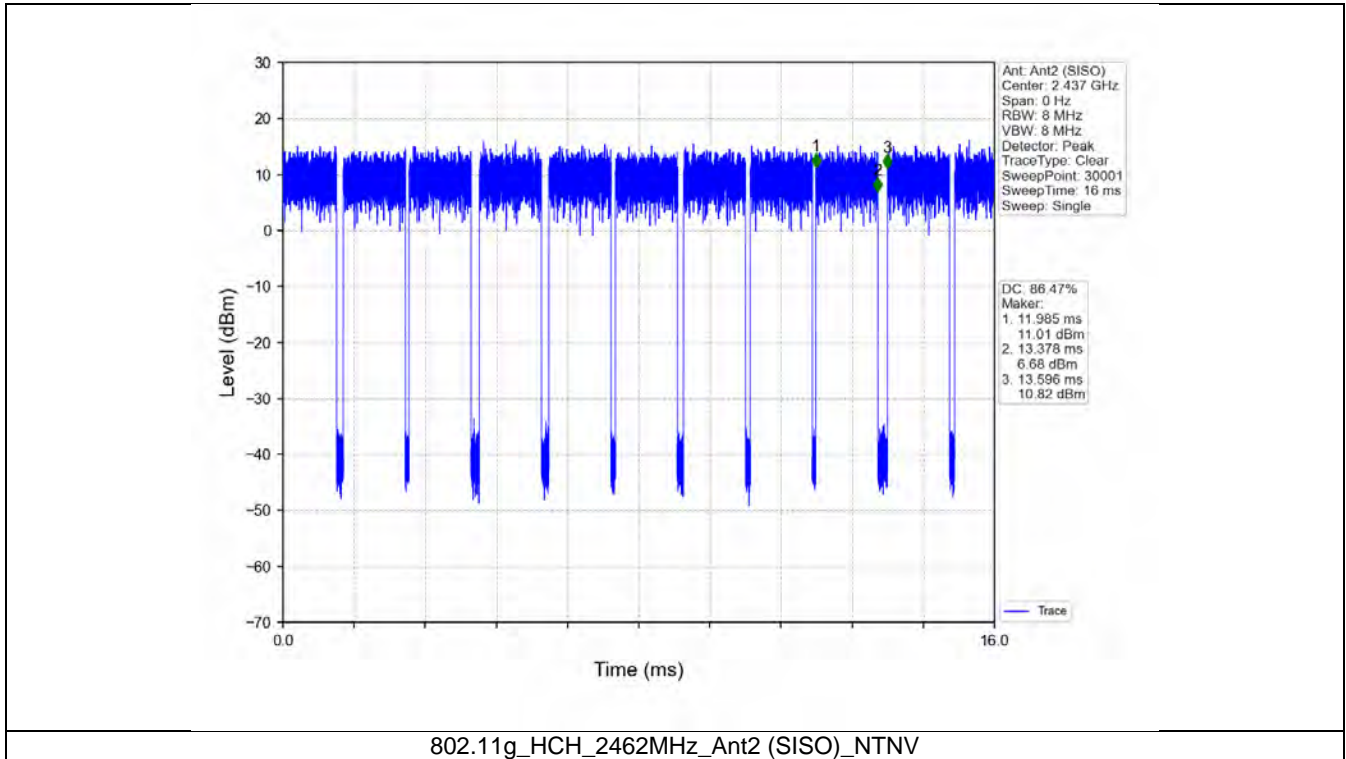


802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



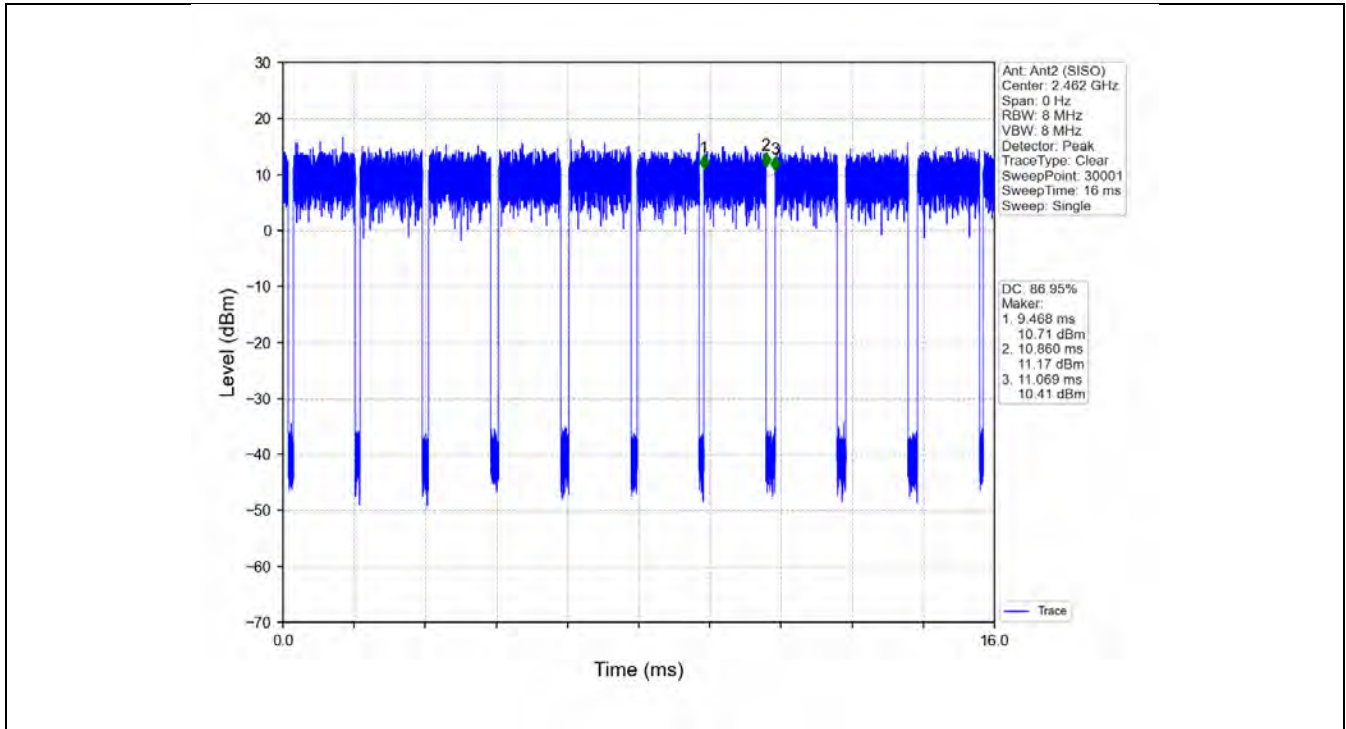
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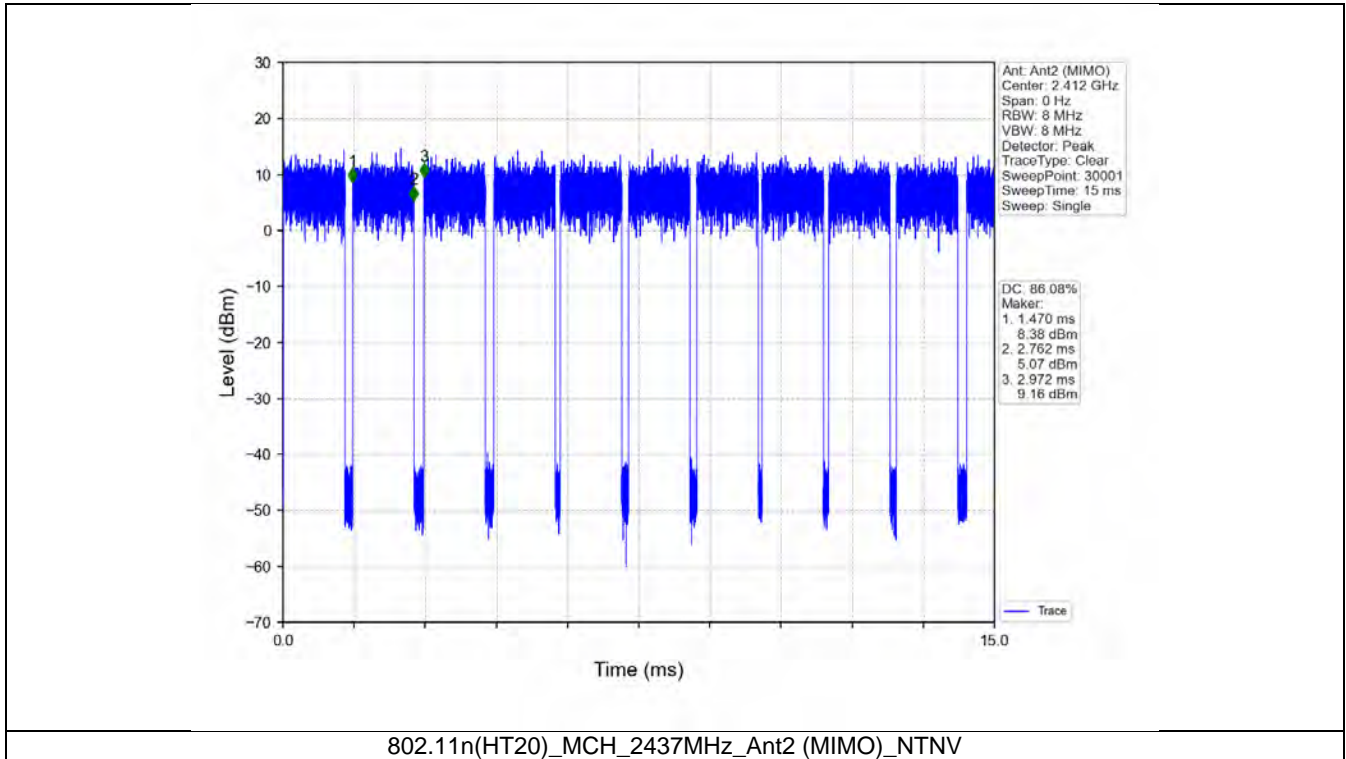


802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



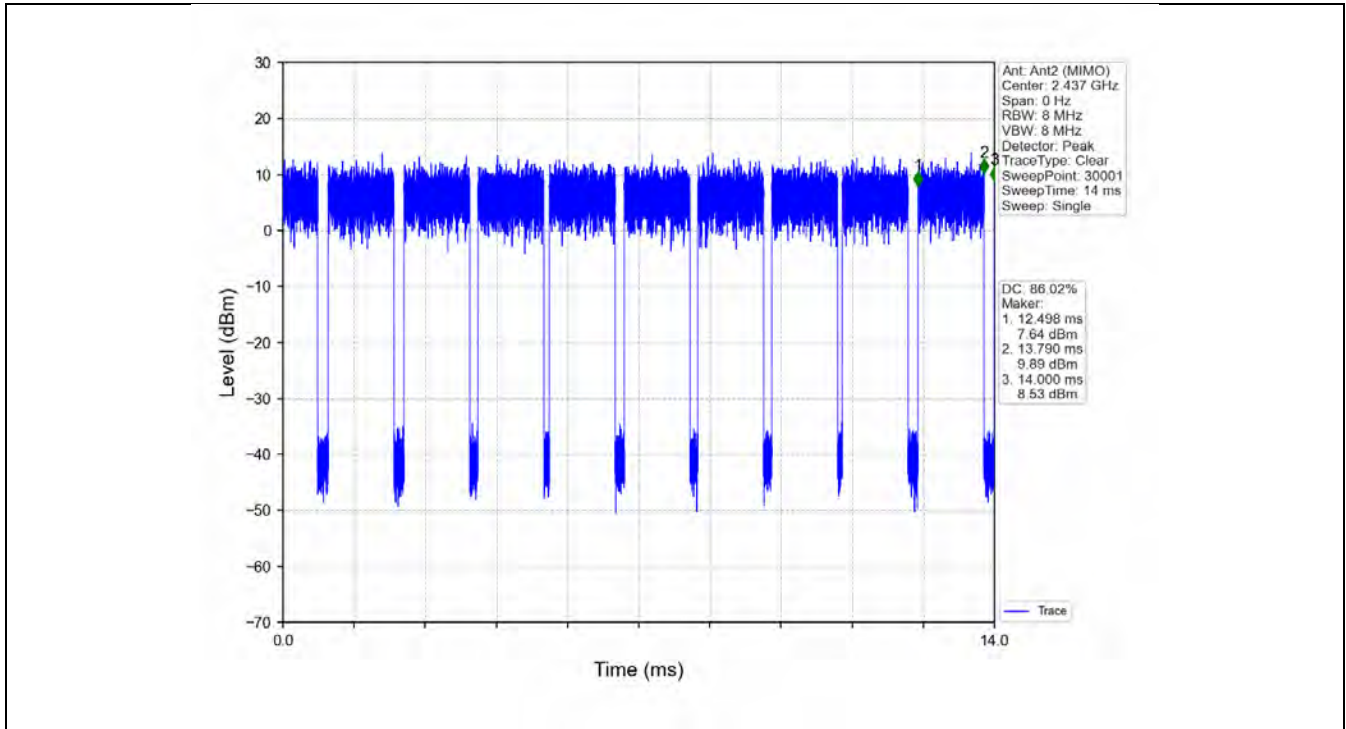
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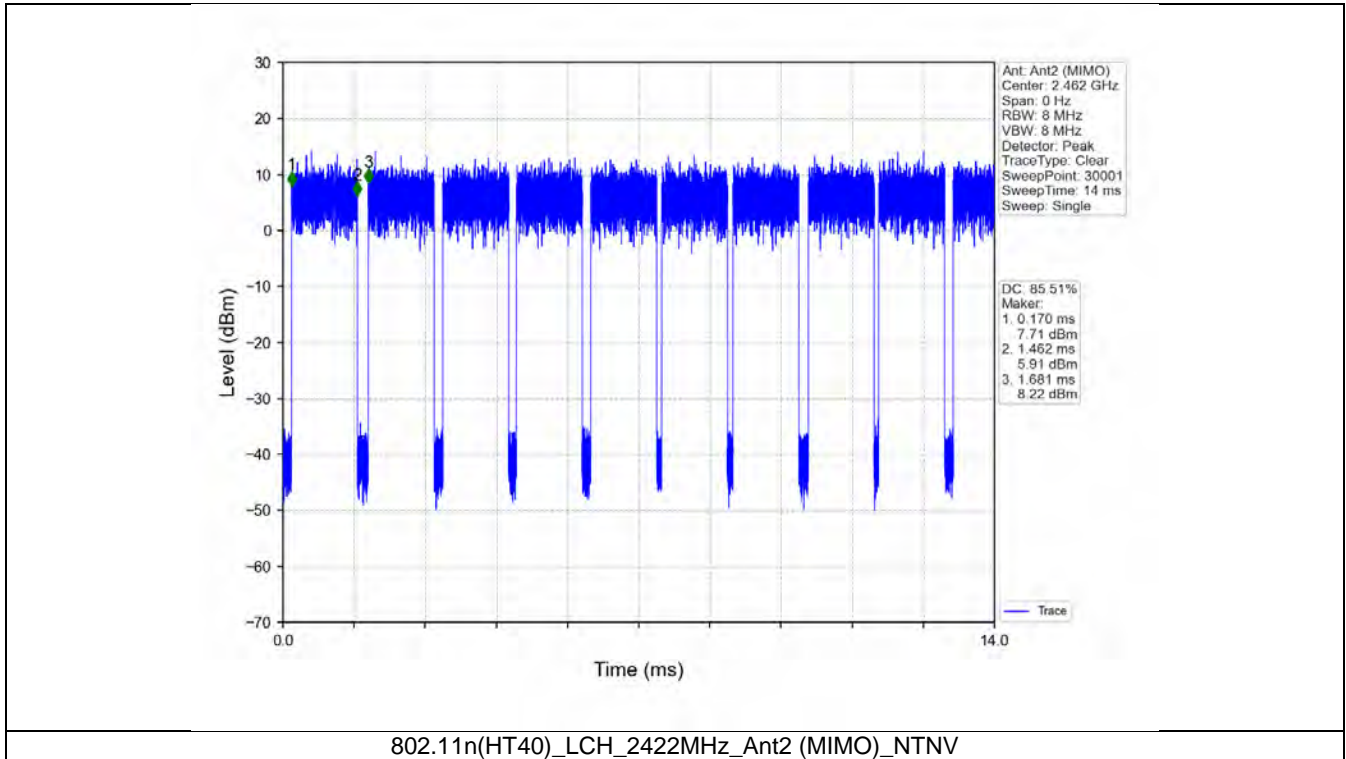


802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



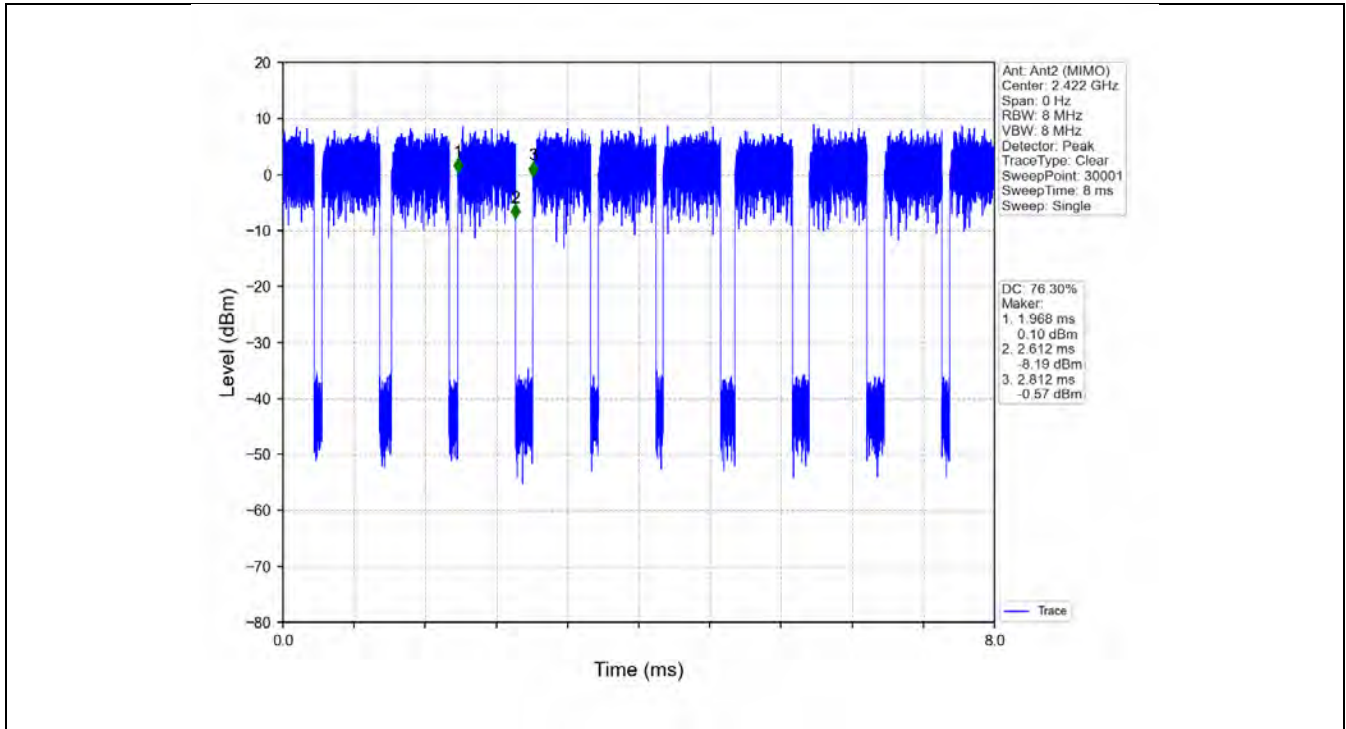
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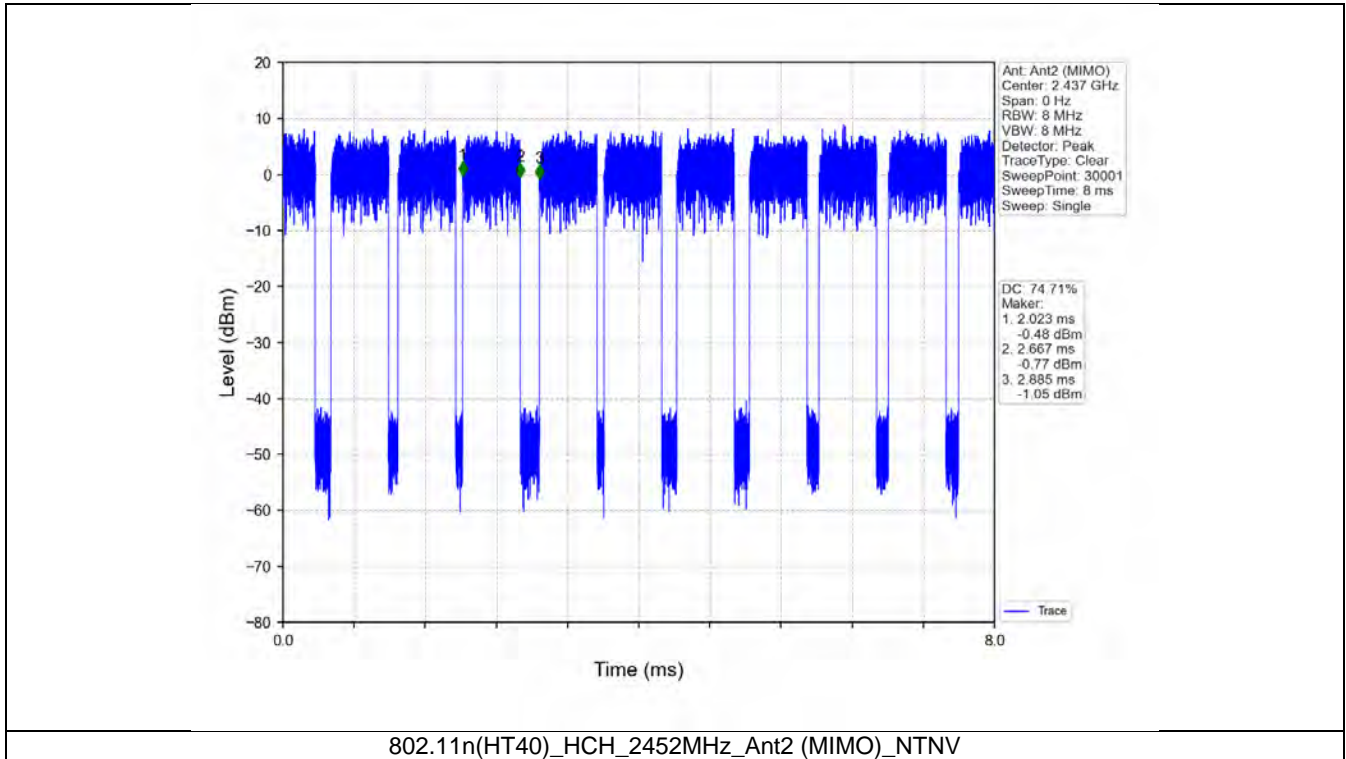


802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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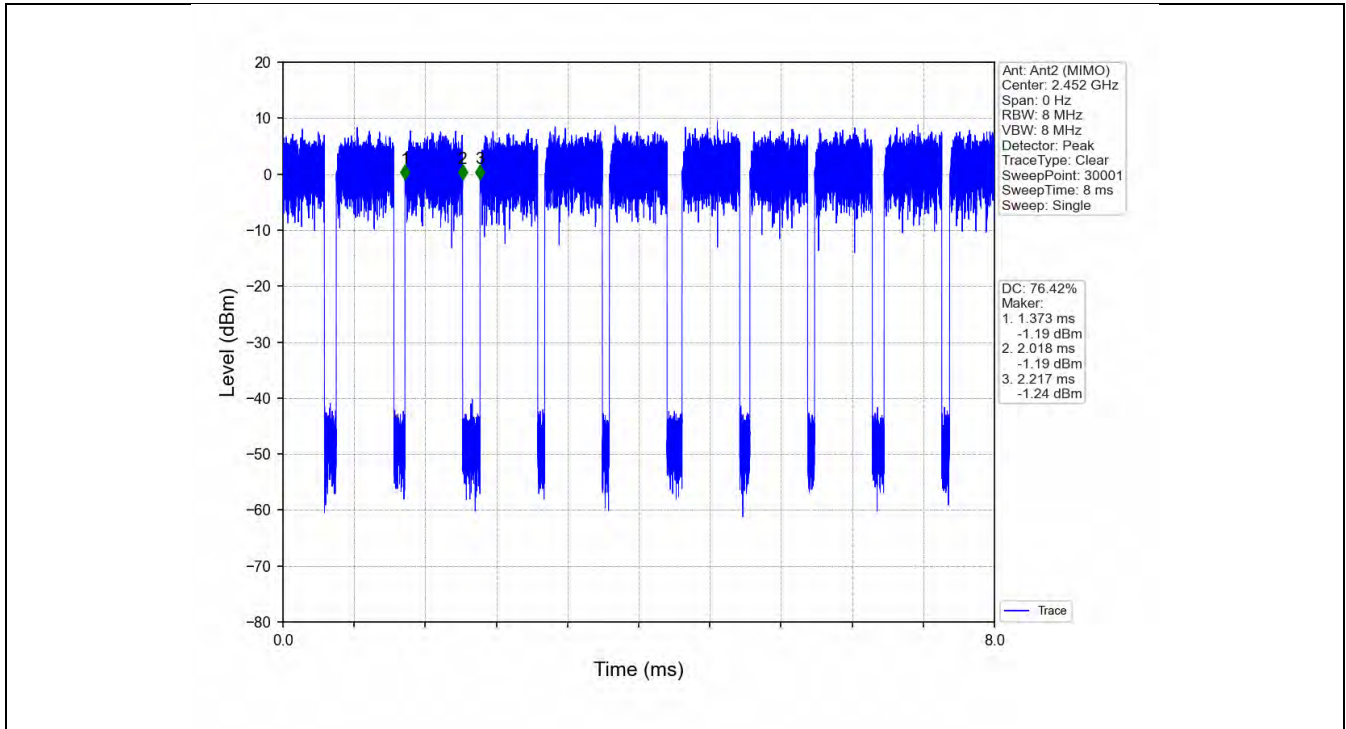


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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
802.11b	SISO	2412	/	/	1	14.33	/	Note1
					2	14.25	/	Note1
		2437	/	/	1	14.35	/	Note1
					2	14.19	/	Note1
		2462	/	/	1	14.29	/	Note1
					2	14.15	/	Note1
802.11g	SISO	2412	/	/	1	17.28	/	Note1
					2	17.31	/	Note1
		2437	/	/	1	17.31	/	Note1
					2	17.29	/	Note1
		2462	/	/	1	17.28	/	Note1
					2	17.25	/	Note1
802.11n (HT20)	MIMO	2412	/	/	1	18.02	/	Note1
					2	17.65	/	Note1



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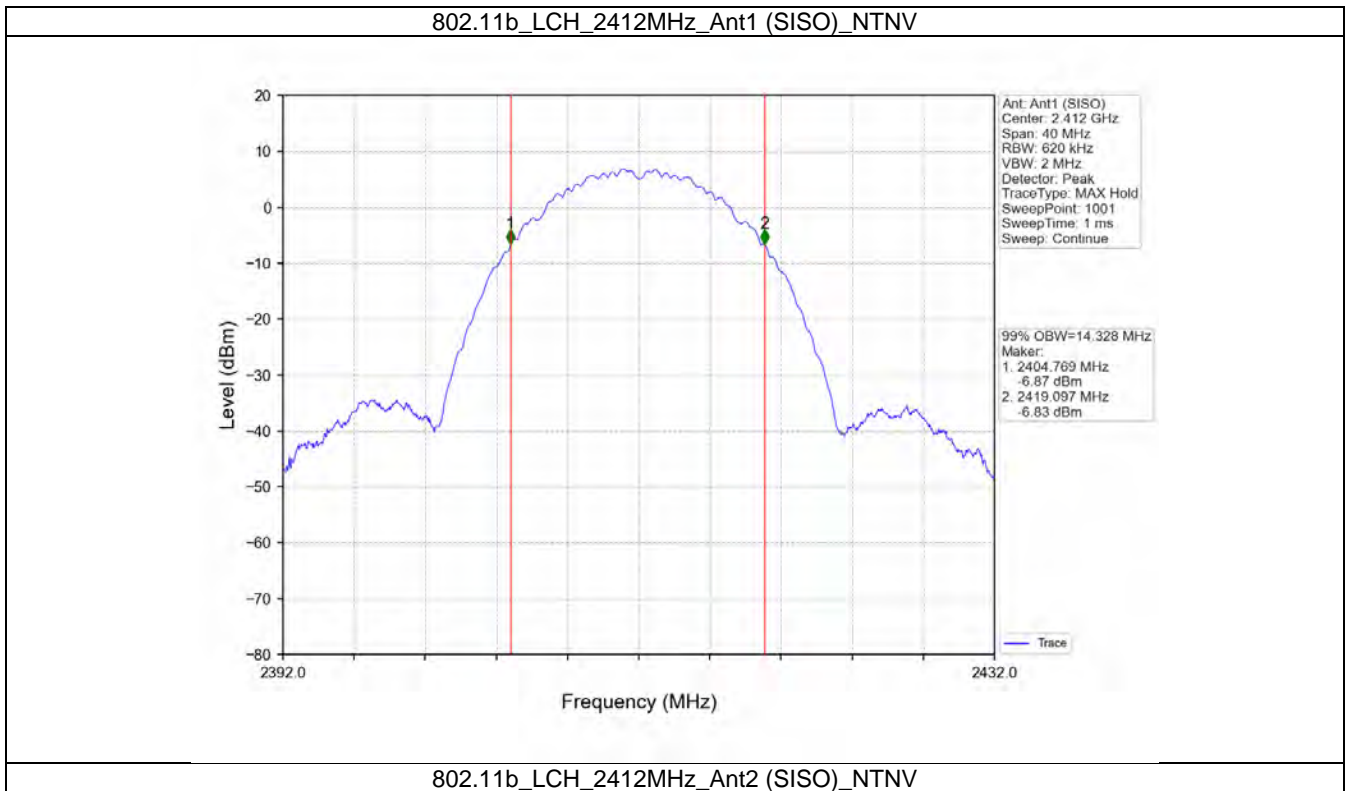
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802.11n (HT40)	MIMO	2437	/	/	1	18.02	/	Note1
					2	17.65	/	Note1
		2462	/	/	1	17.98	/	Note1
					2	17.64	/	Note1
		2422	/	/	1	36.09	/	Note1
					2	36.39	/	Note1
					1	36.07	/	Note1
					2	36.34	/	Note1
		2452	/	/	1	35.93	/	Note1
					2	36.19	/	Note1

Note1: Only for Report Use

2.1.2 Test Graph

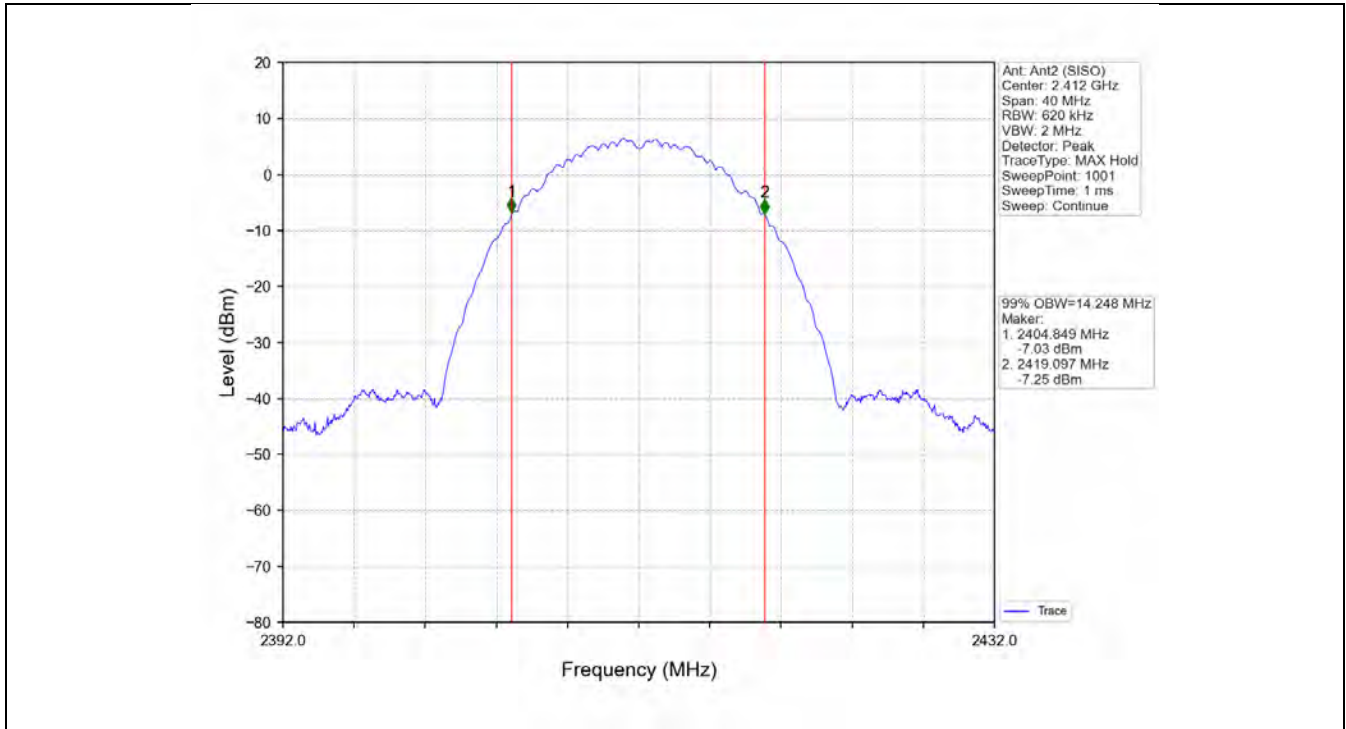


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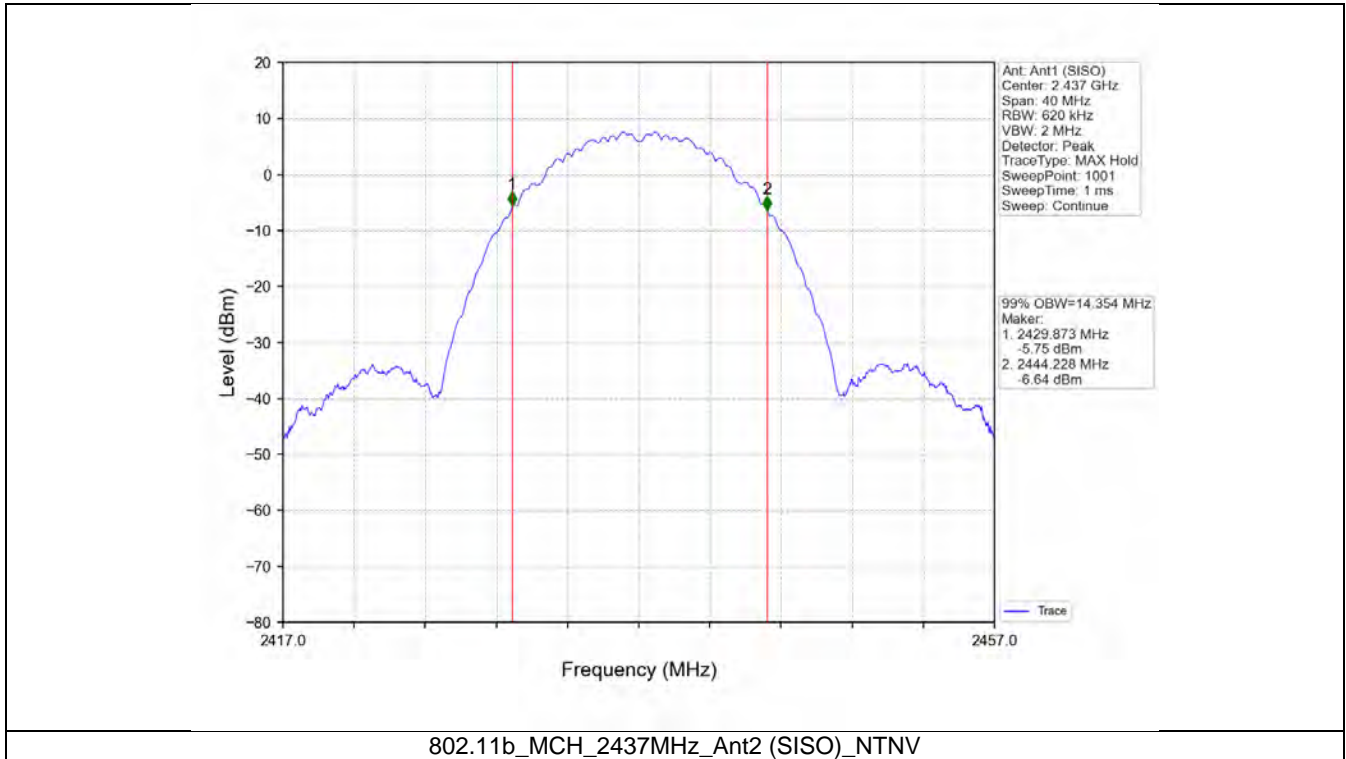


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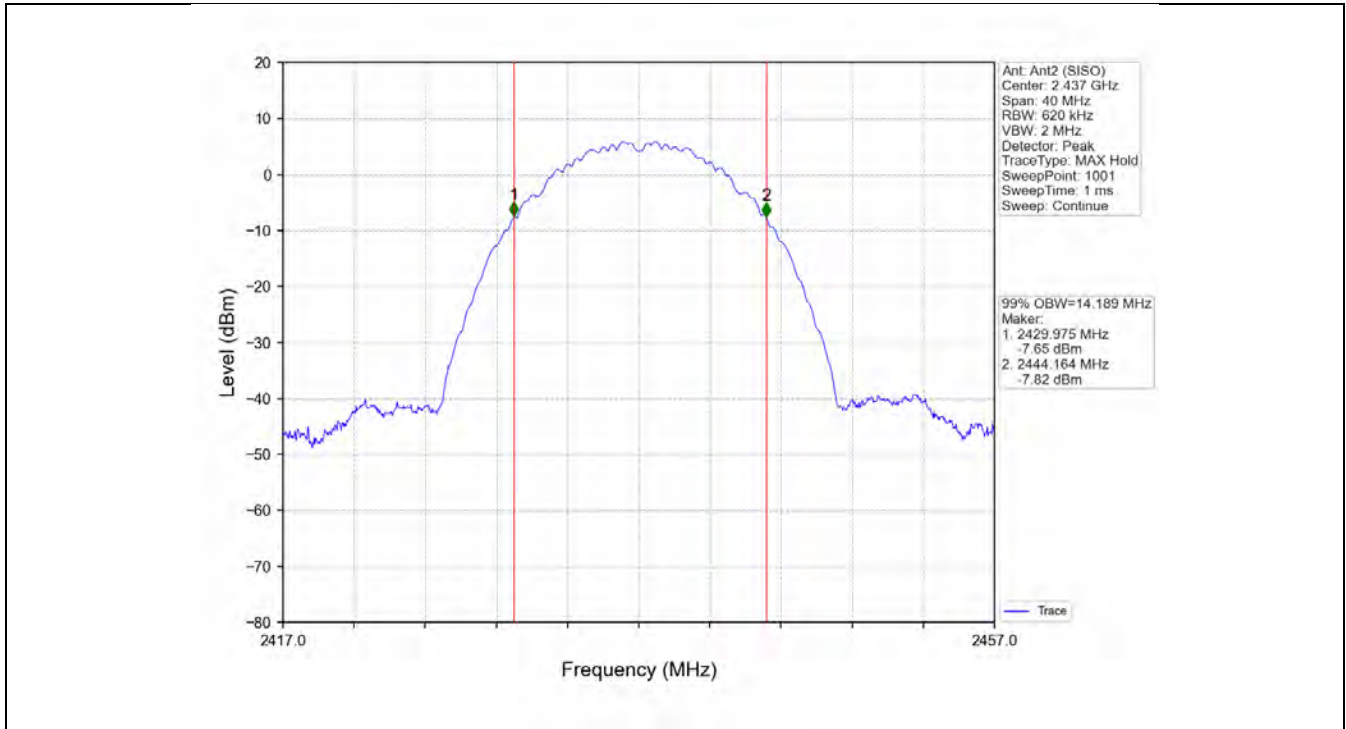
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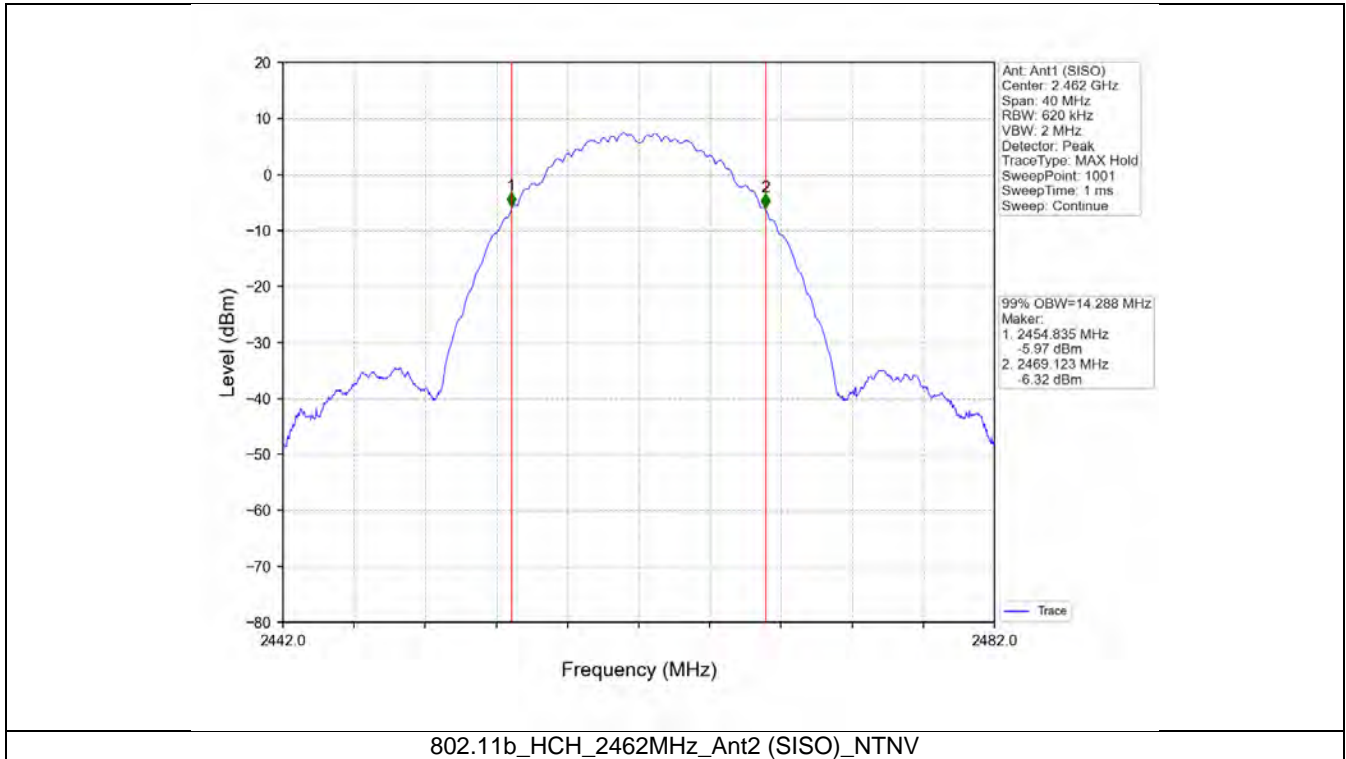


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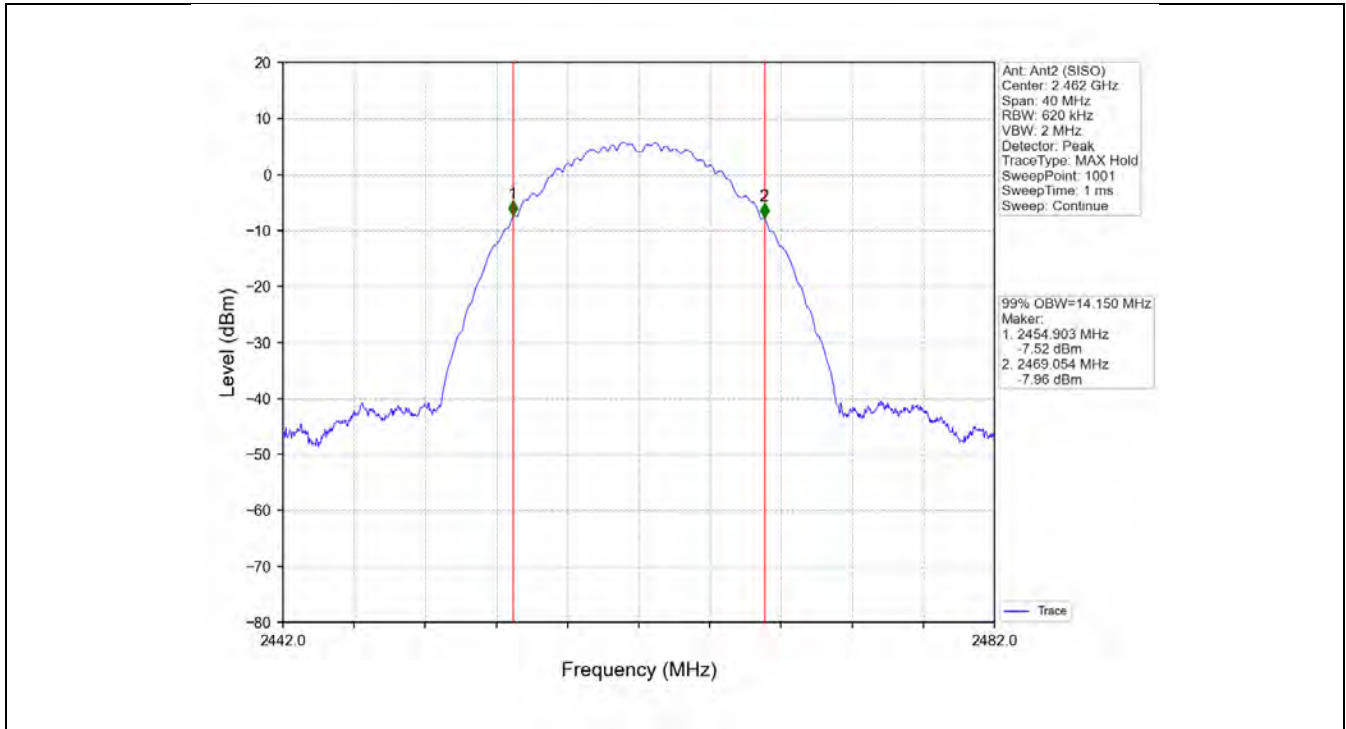
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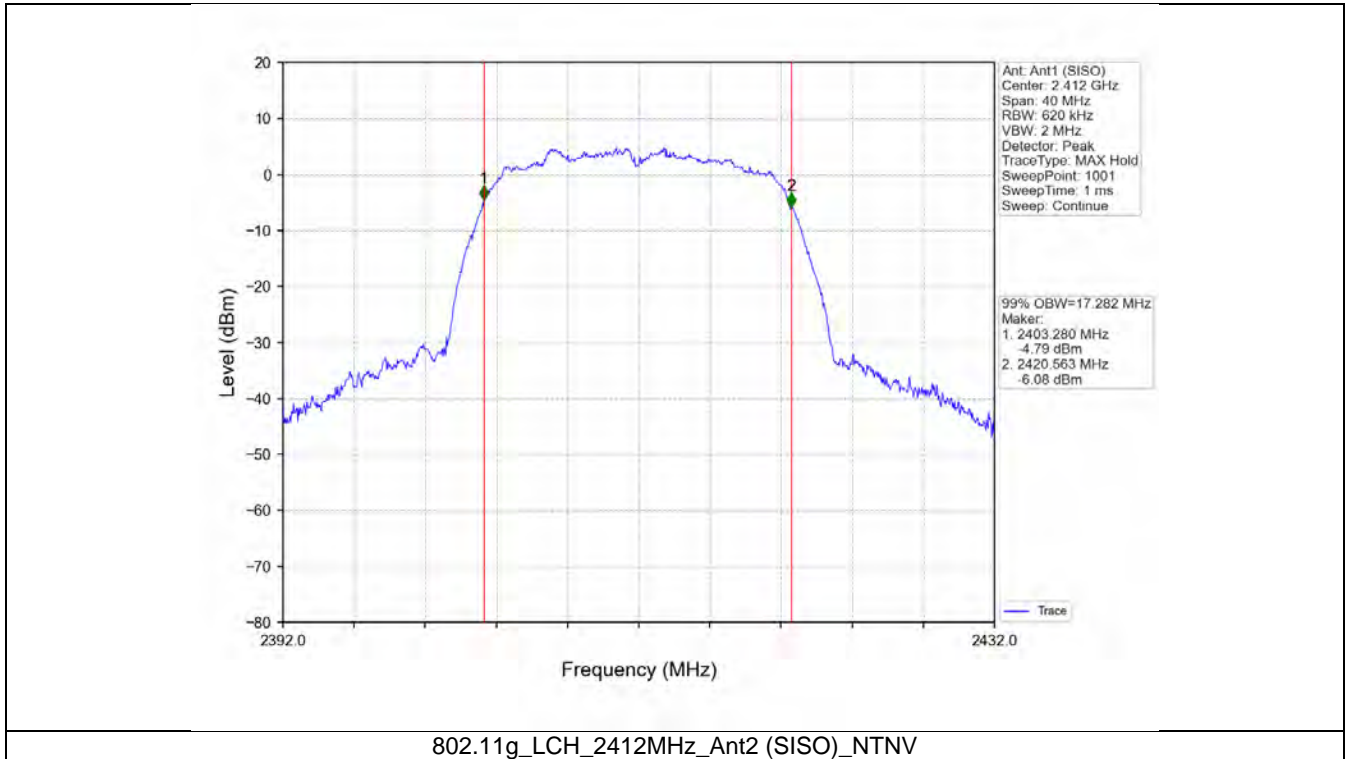


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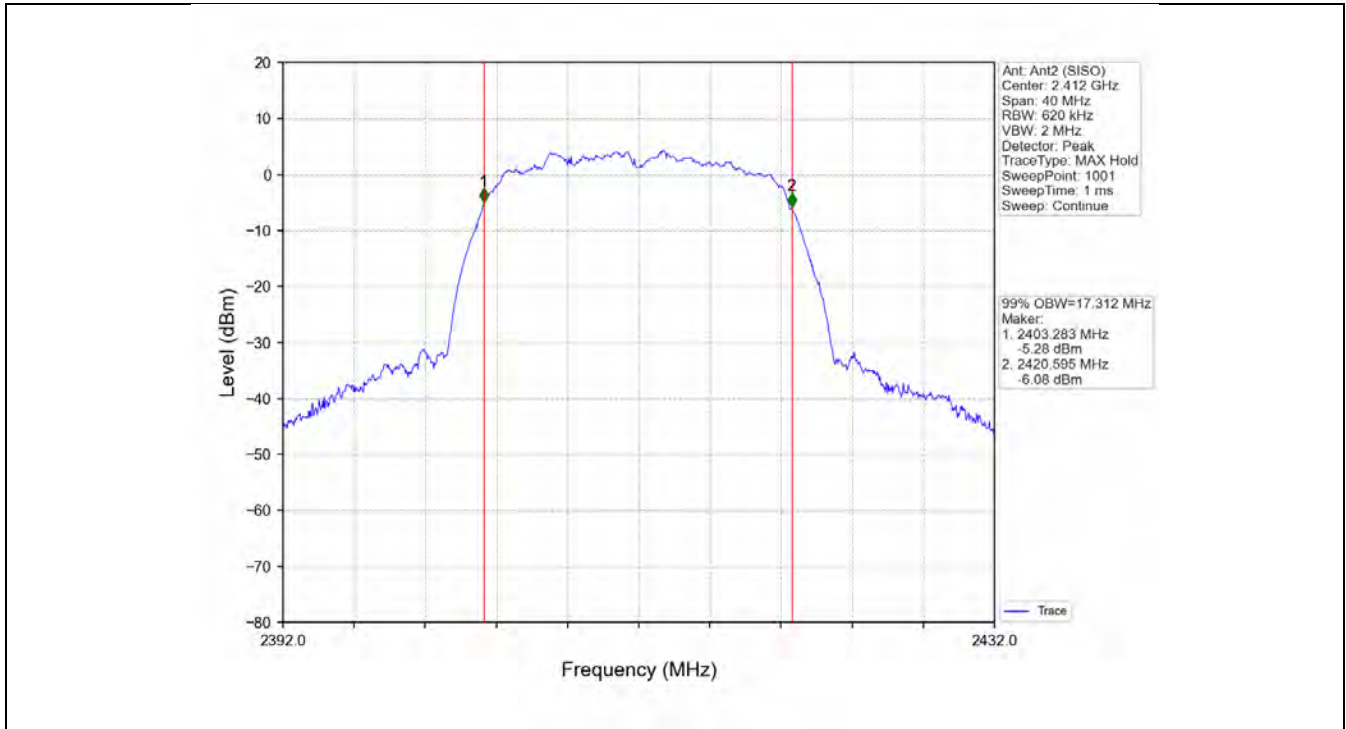
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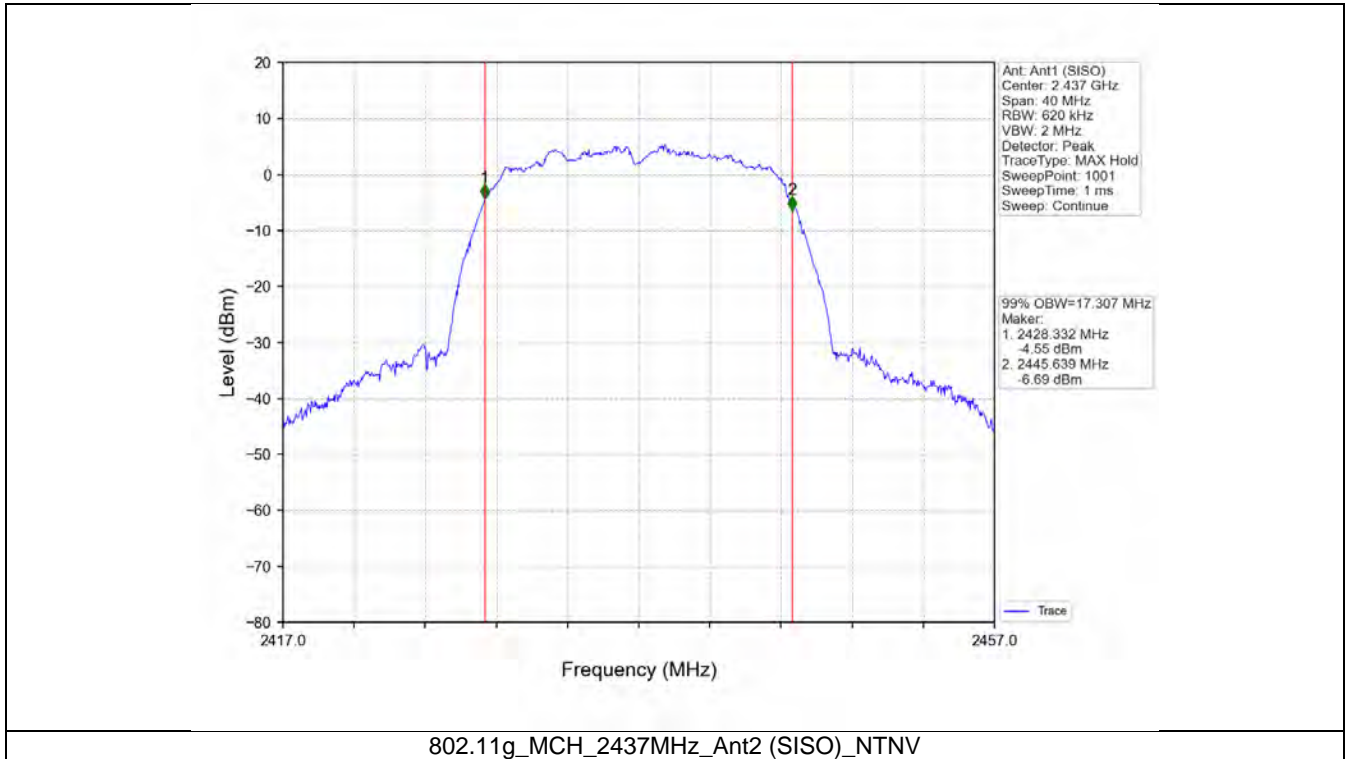


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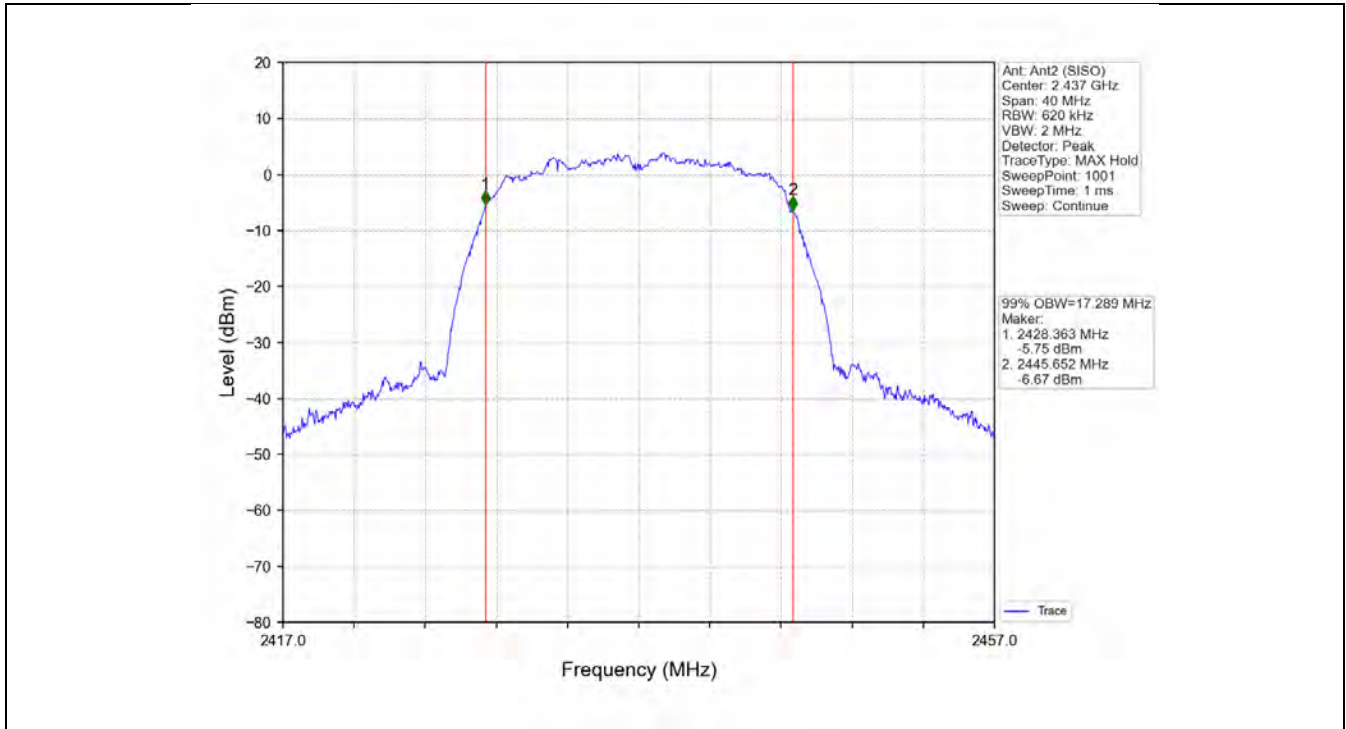
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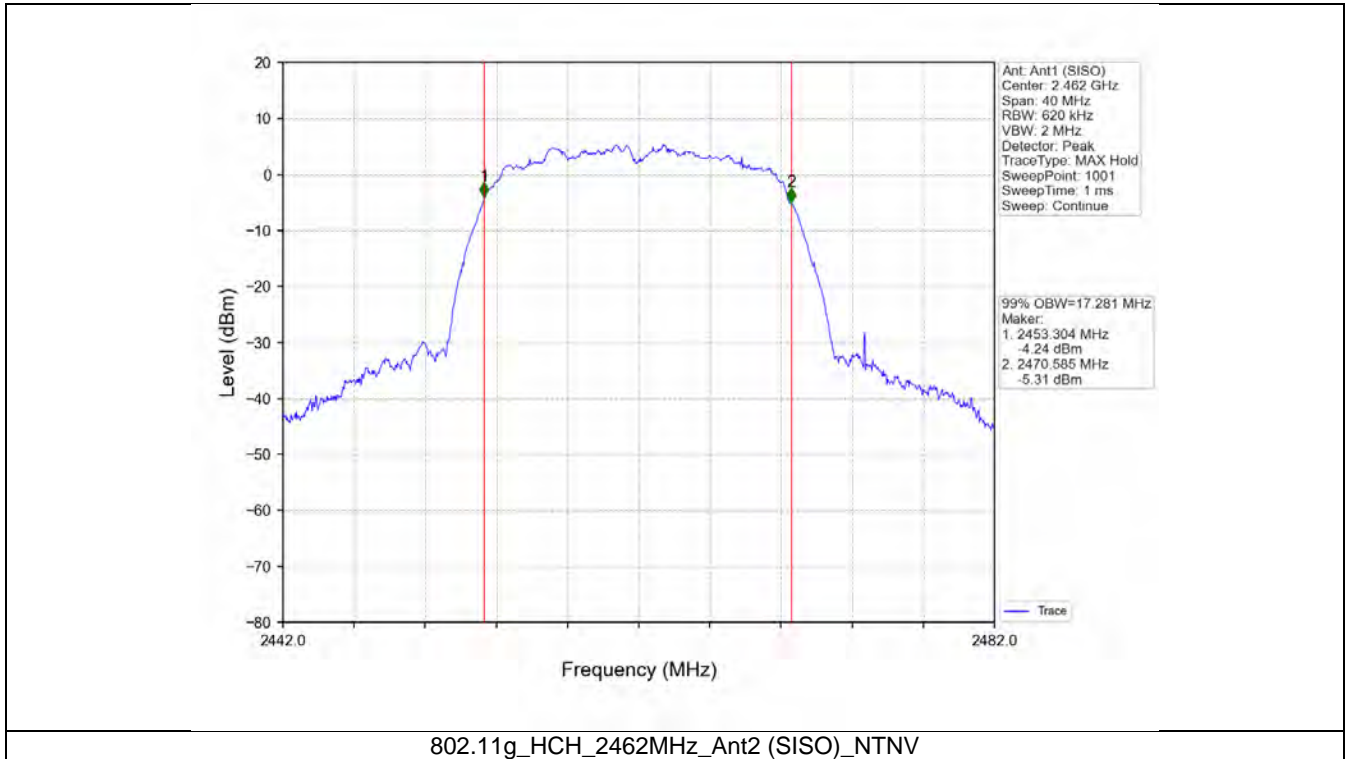


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



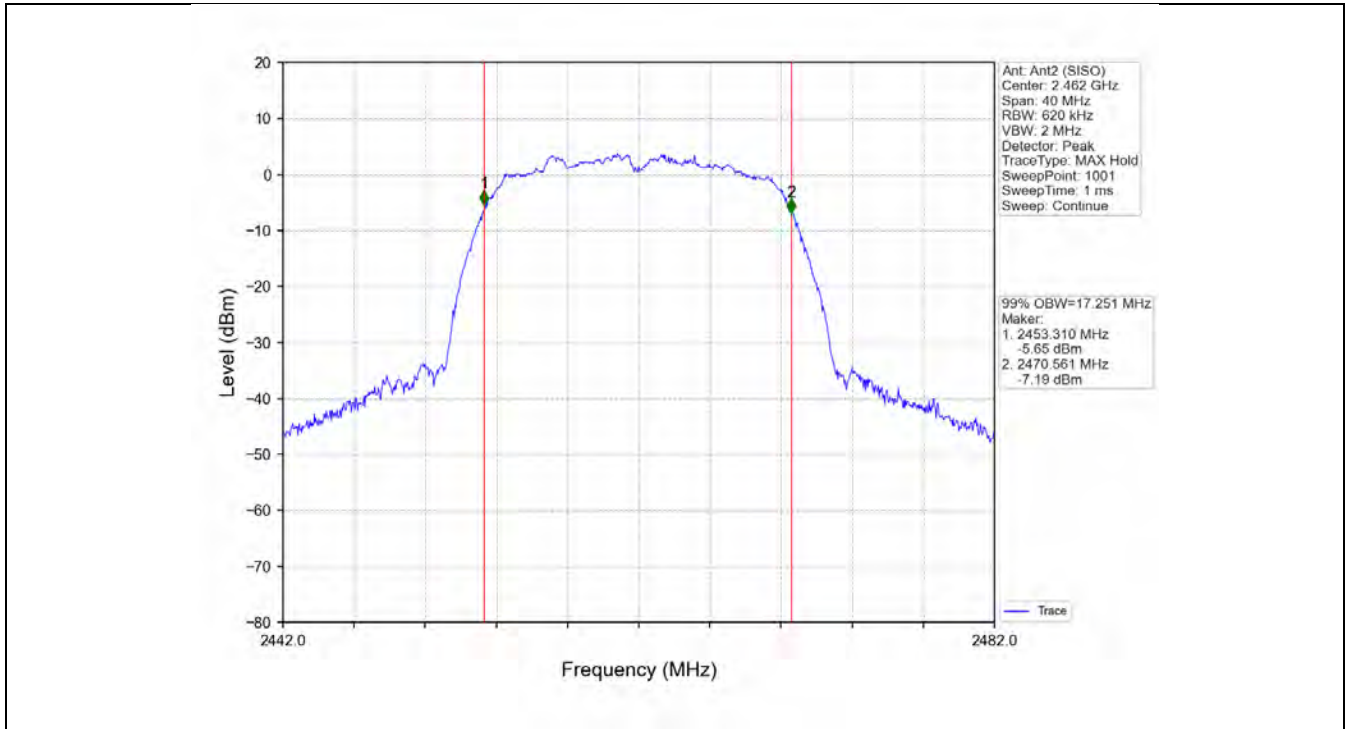
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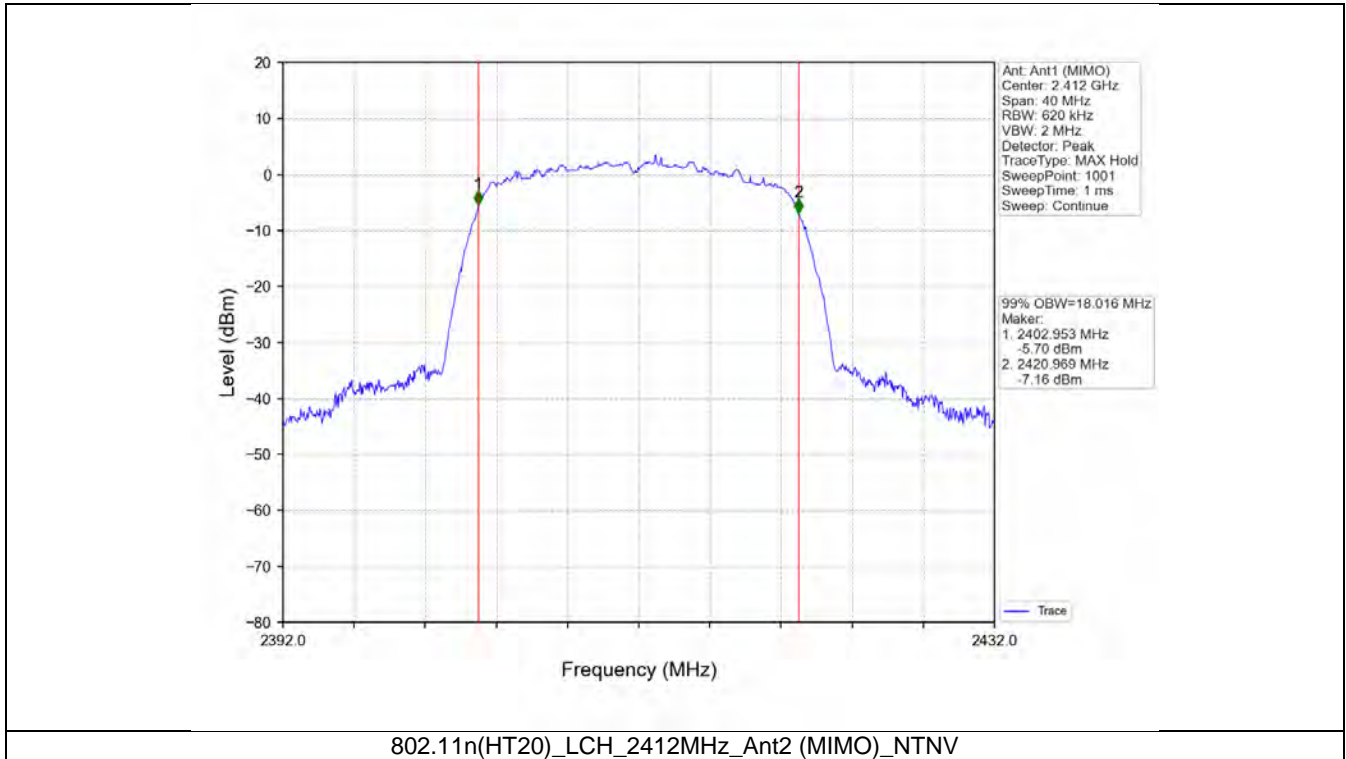


802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



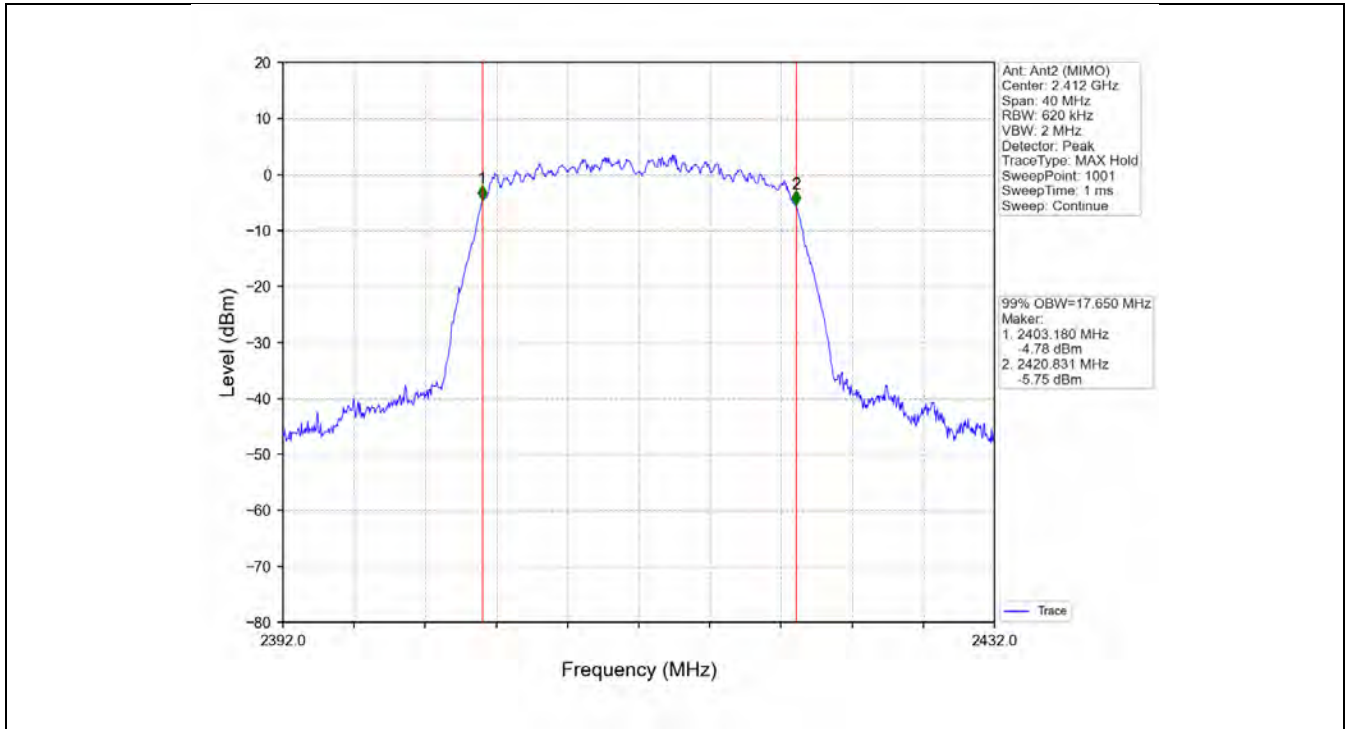
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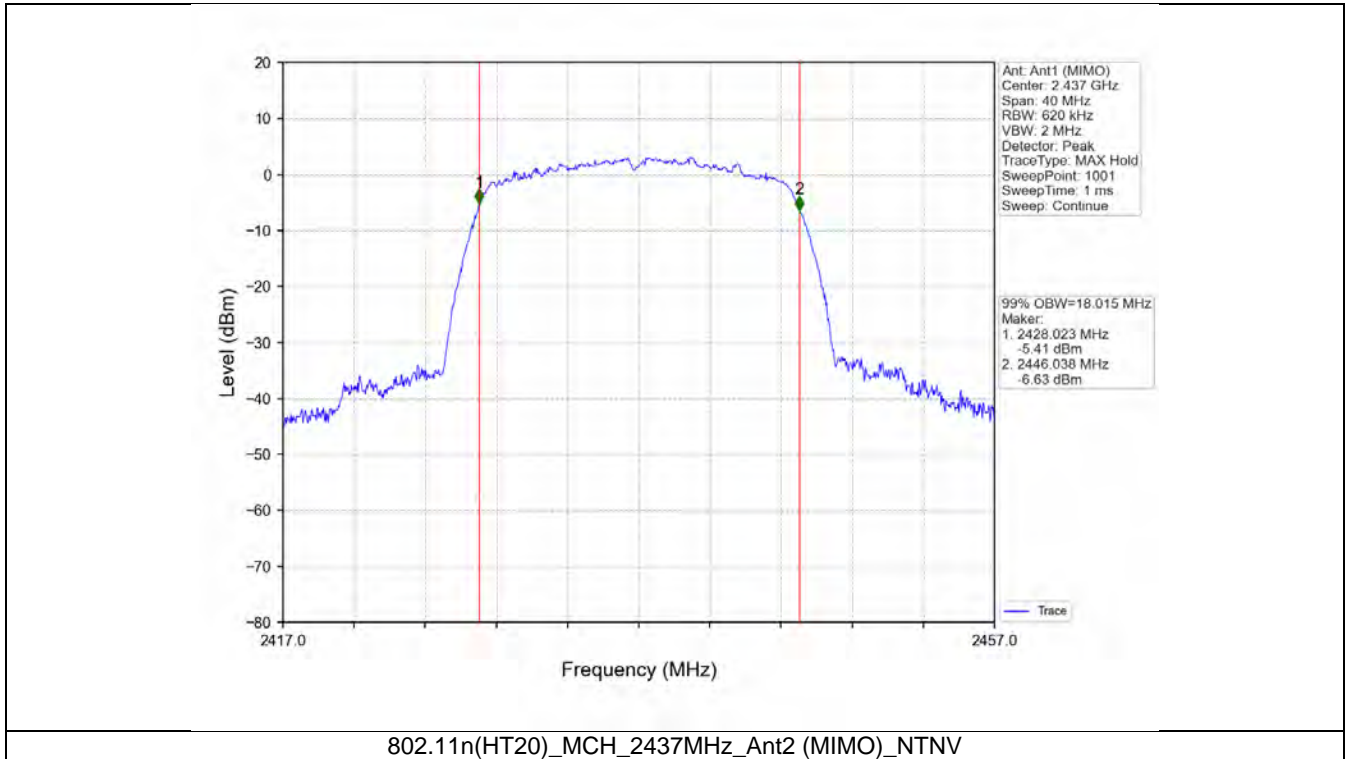


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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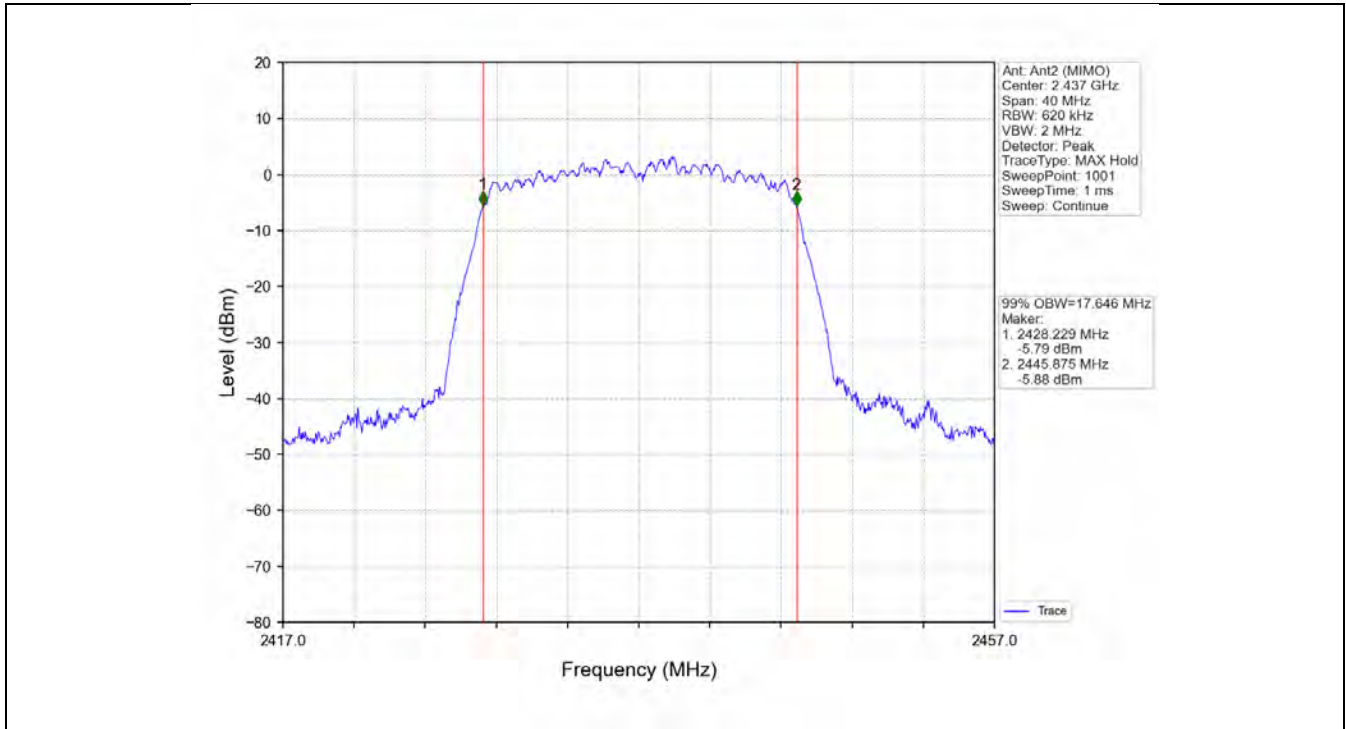
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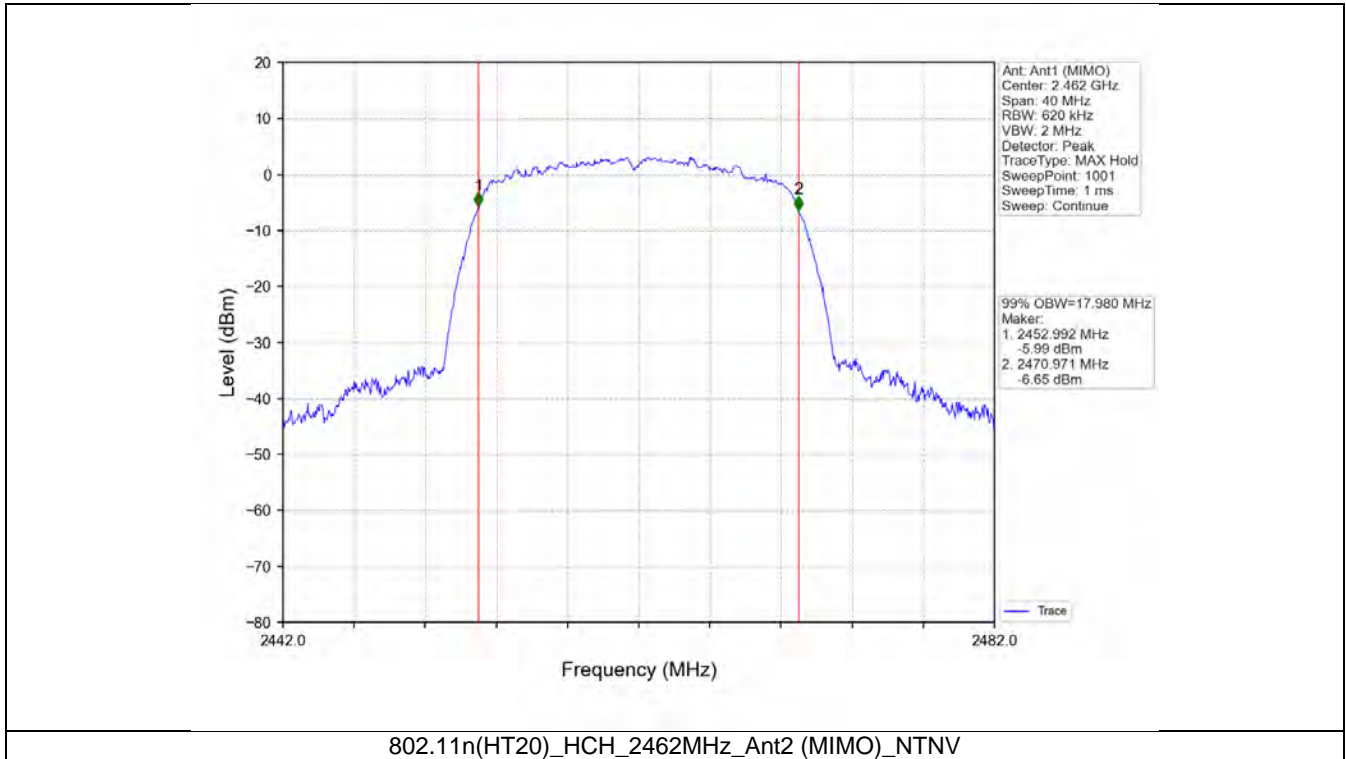


802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



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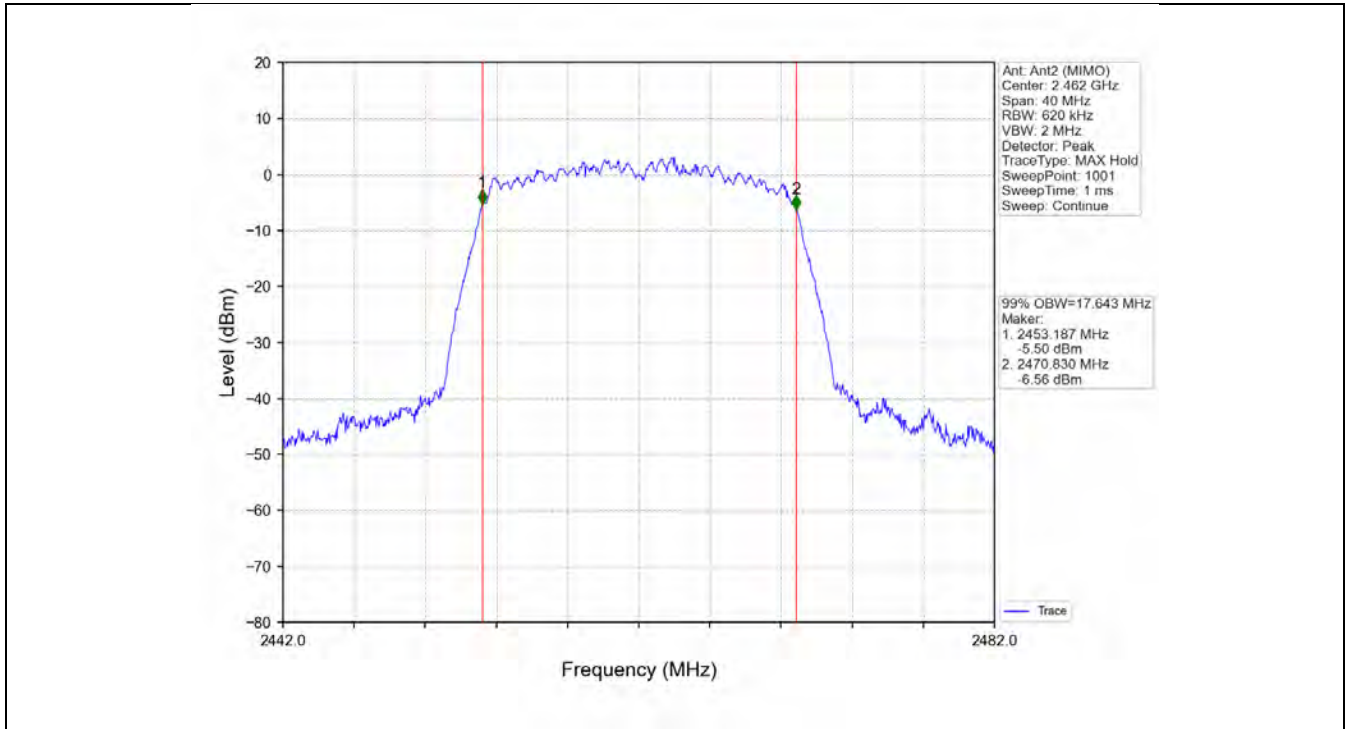
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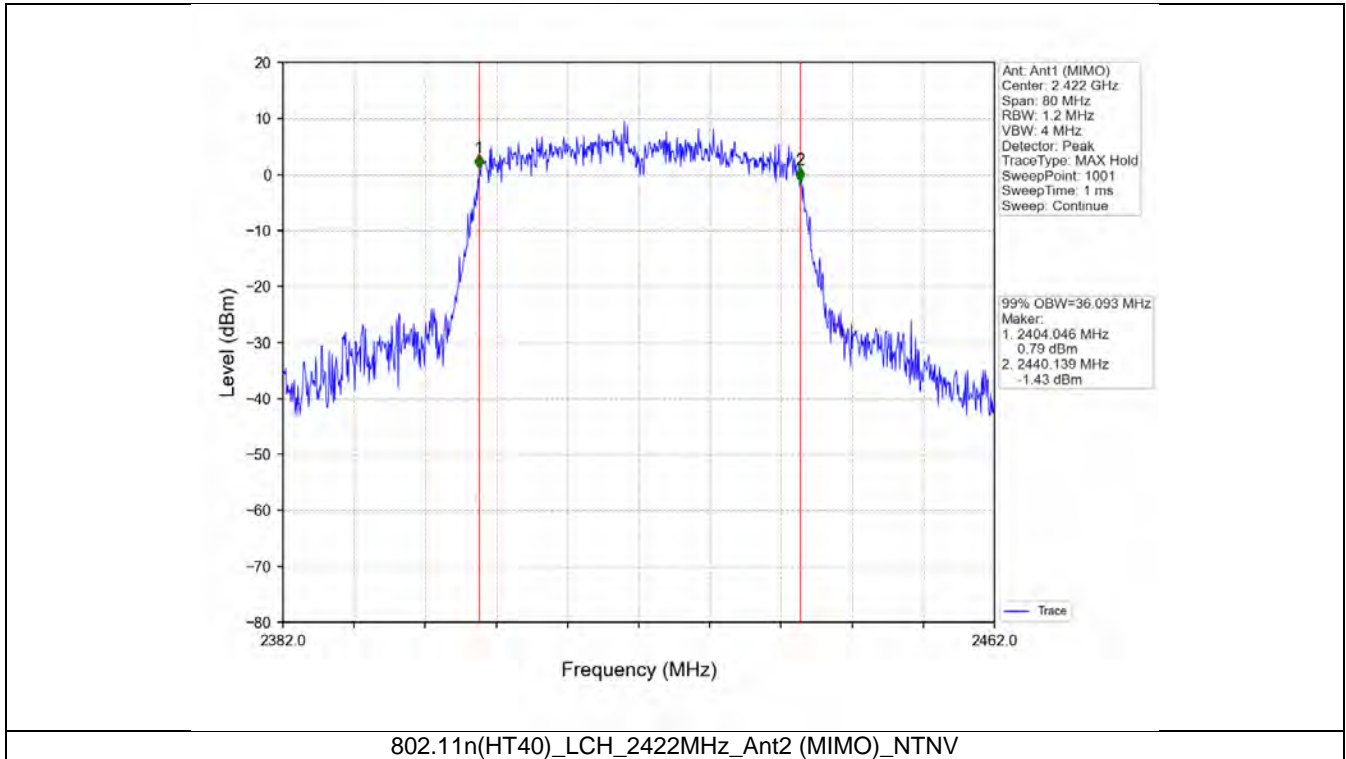


802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



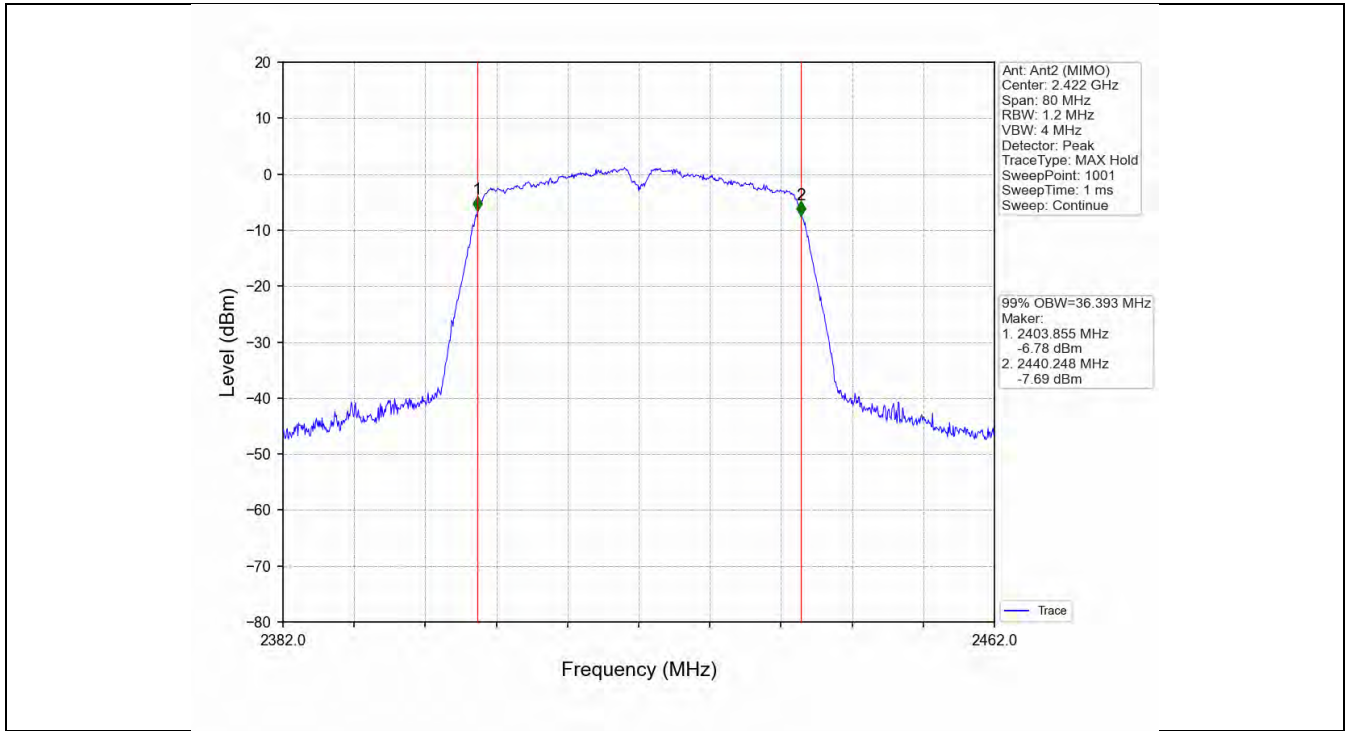
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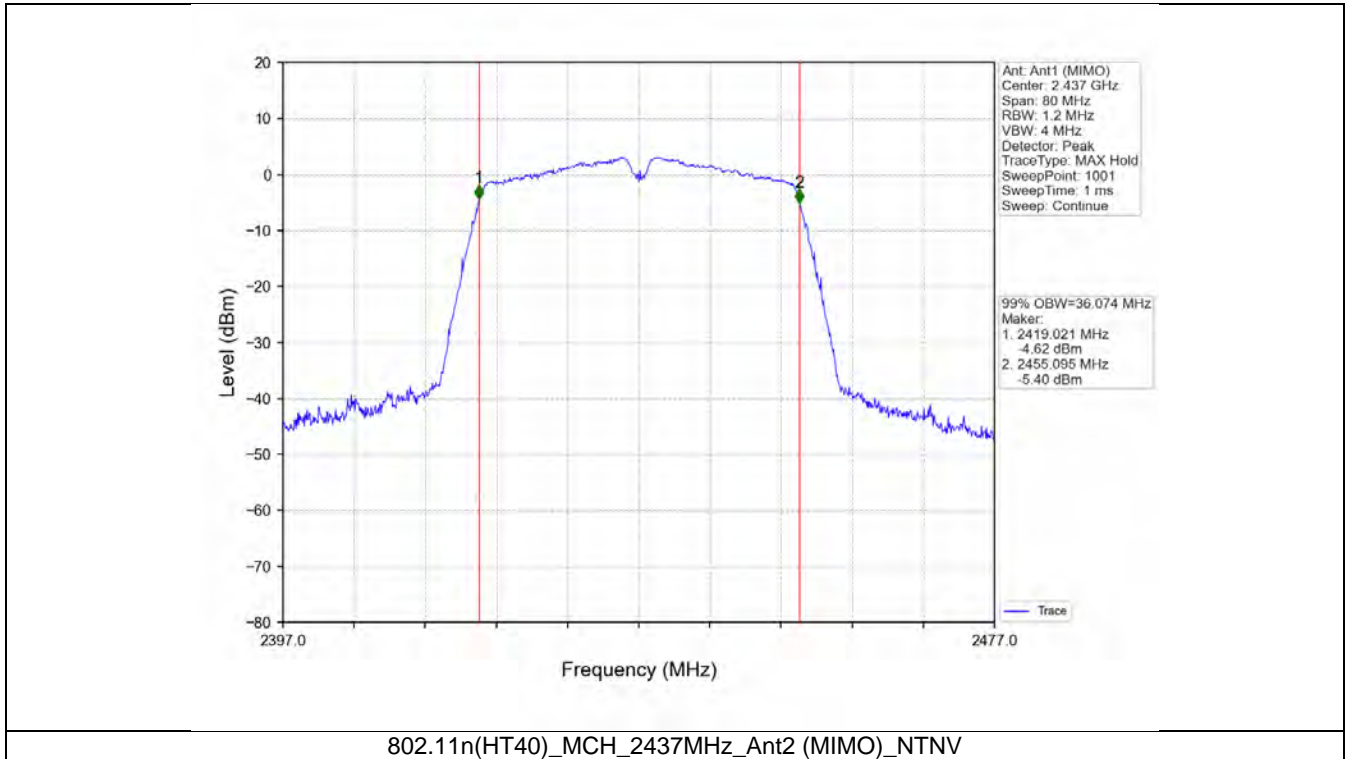


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



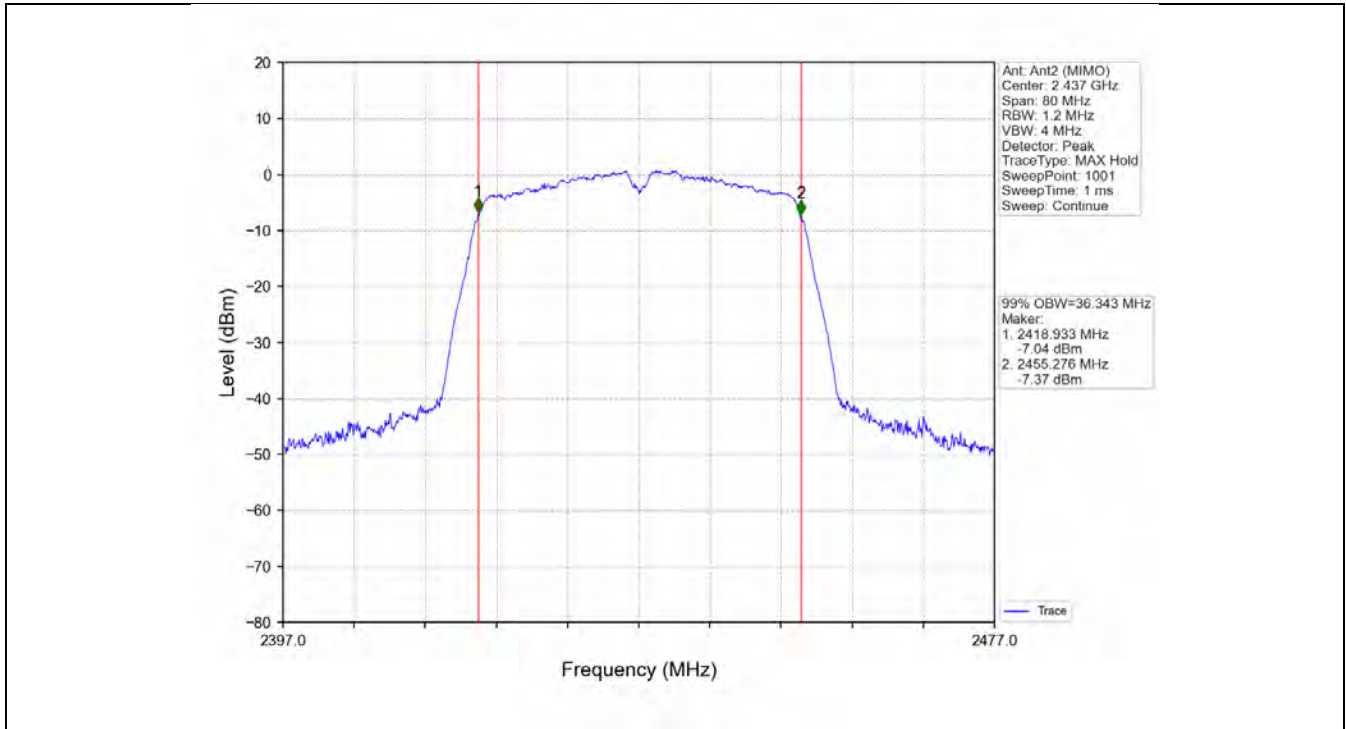
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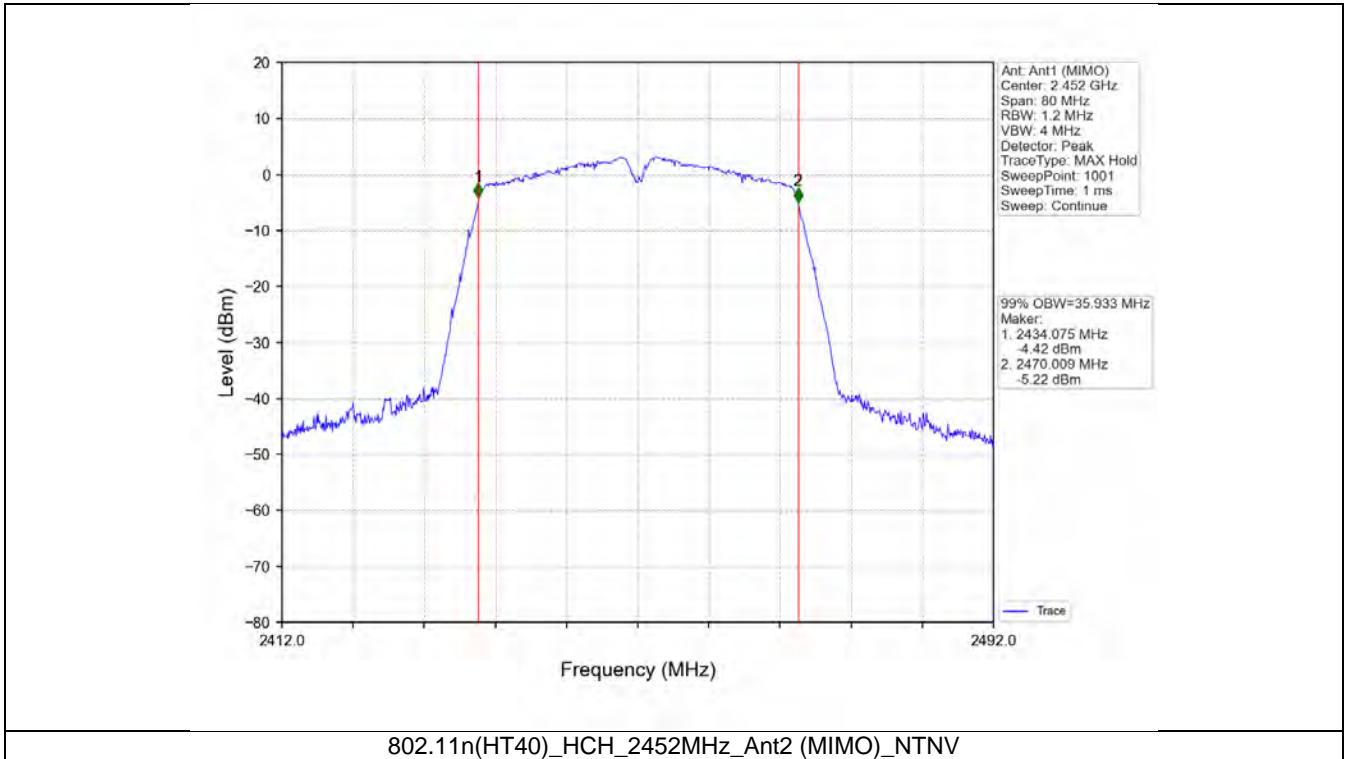
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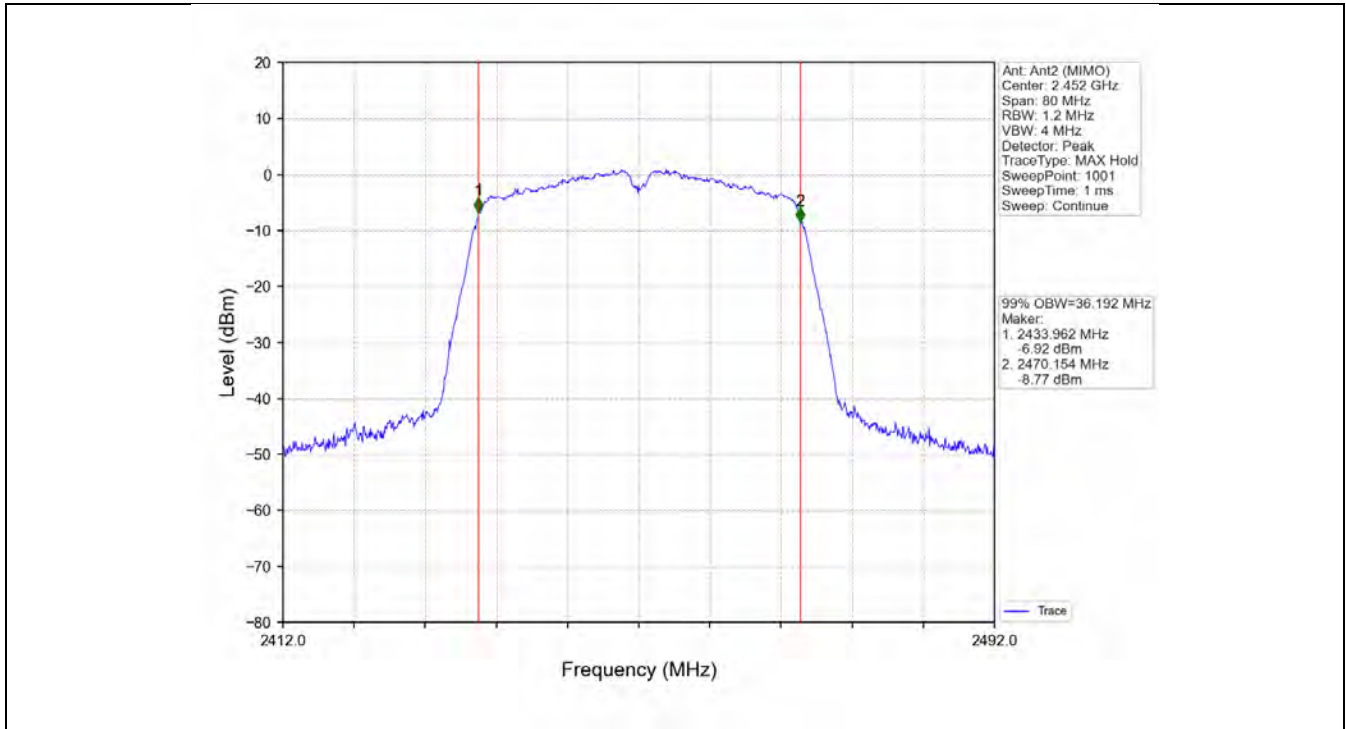
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	6dB Bandwidth (MHz)	Limit	Verdict
802.11b	SISO	2412	/	/	1	9.58	>=0.5	Pass
					2	9.13	>=0.5	Pass
		2437	/	/	1	9.60	>=0.5	Pass
					2	9.60	>=0.5	Pass
		2462	/	/	1	9.08	>=0.5	Pass
					2	9.14	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.14	>=0.5	Pass
					2	15.15	>=0.5	Pass
		2437	/	/	1	15.12	>=0.5	Pass
					2	15.14	>=0.5	Pass
		2462	/	/	1	15.12	>=0.5	Pass
					2	15.15	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	15.15	>=0.5	Pass
					2	15.70	>=0.5	Pass
		2437	/	/	1	15.15	>=0.5	Pass
					2	15.11	>=0.5	Pass
		2462	/	/	1	15.14	>=0.5	Pass

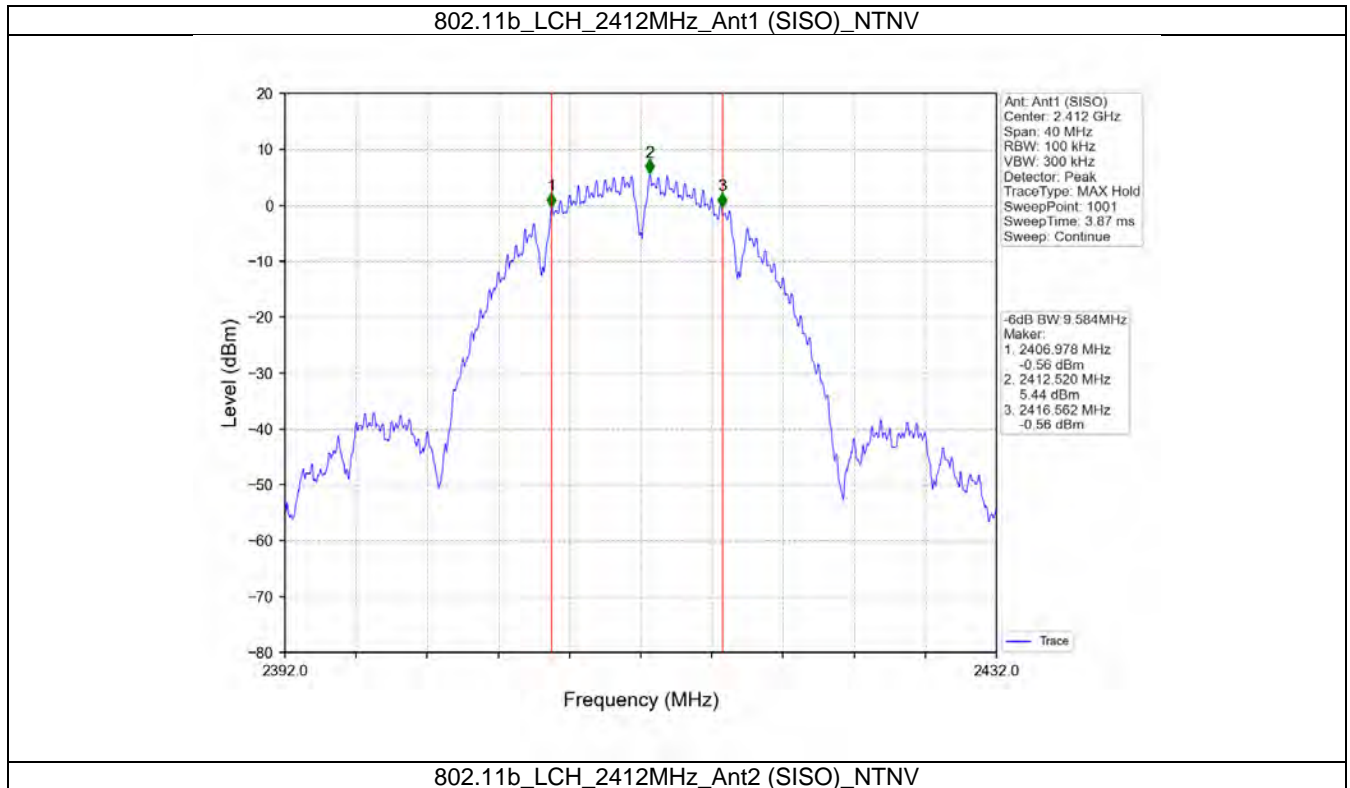


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802.11n (HT40)	MIMO	2422	/	/	2	15.12	≥ 0.5	Pass
					1	32.53	≥ 0.5	Pass
		2437	/	/	2	35.13	≥ 0.5	Pass
					1	35.10	≥ 0.5	Pass
		2452	/	/	2	35.09	≥ 0.5	Pass
					1	35.11	≥ 0.5	Pass
				2	35.10	≥ 0.5	Pass	

2.2.2 Test Graph



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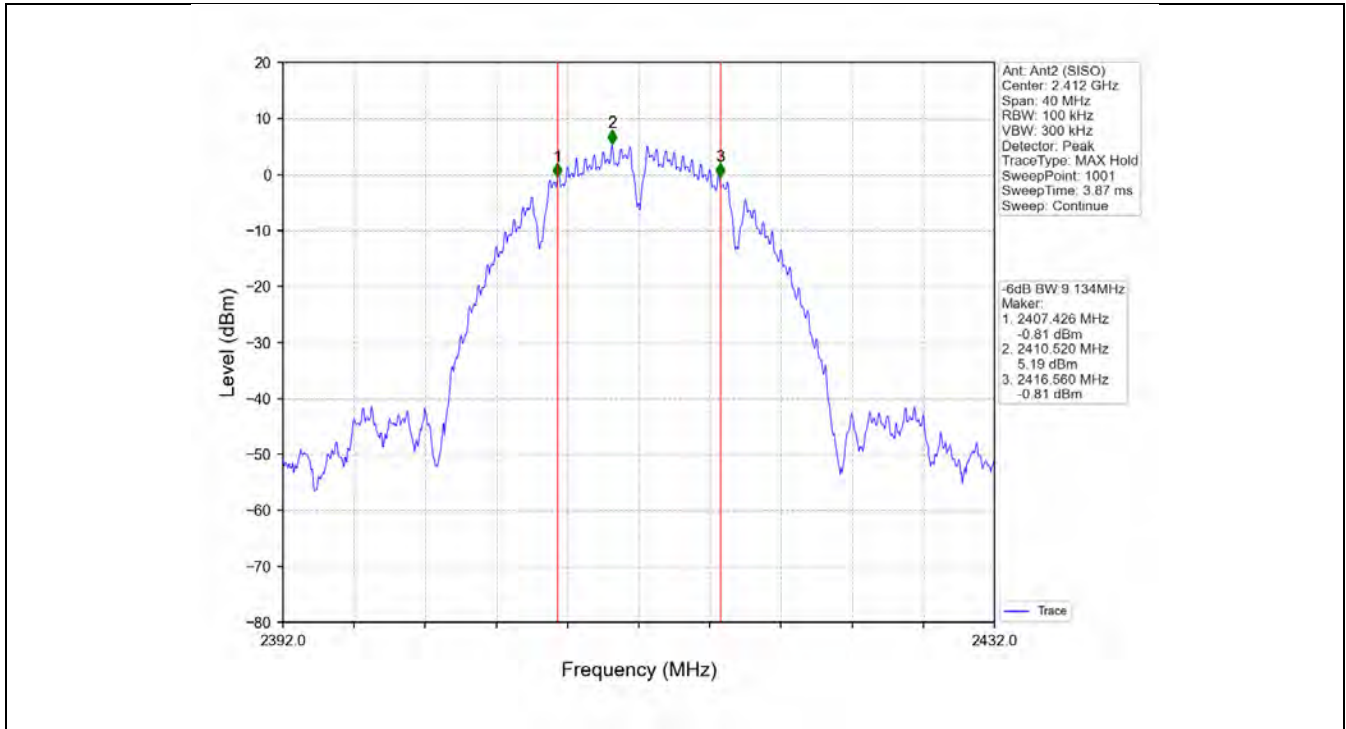
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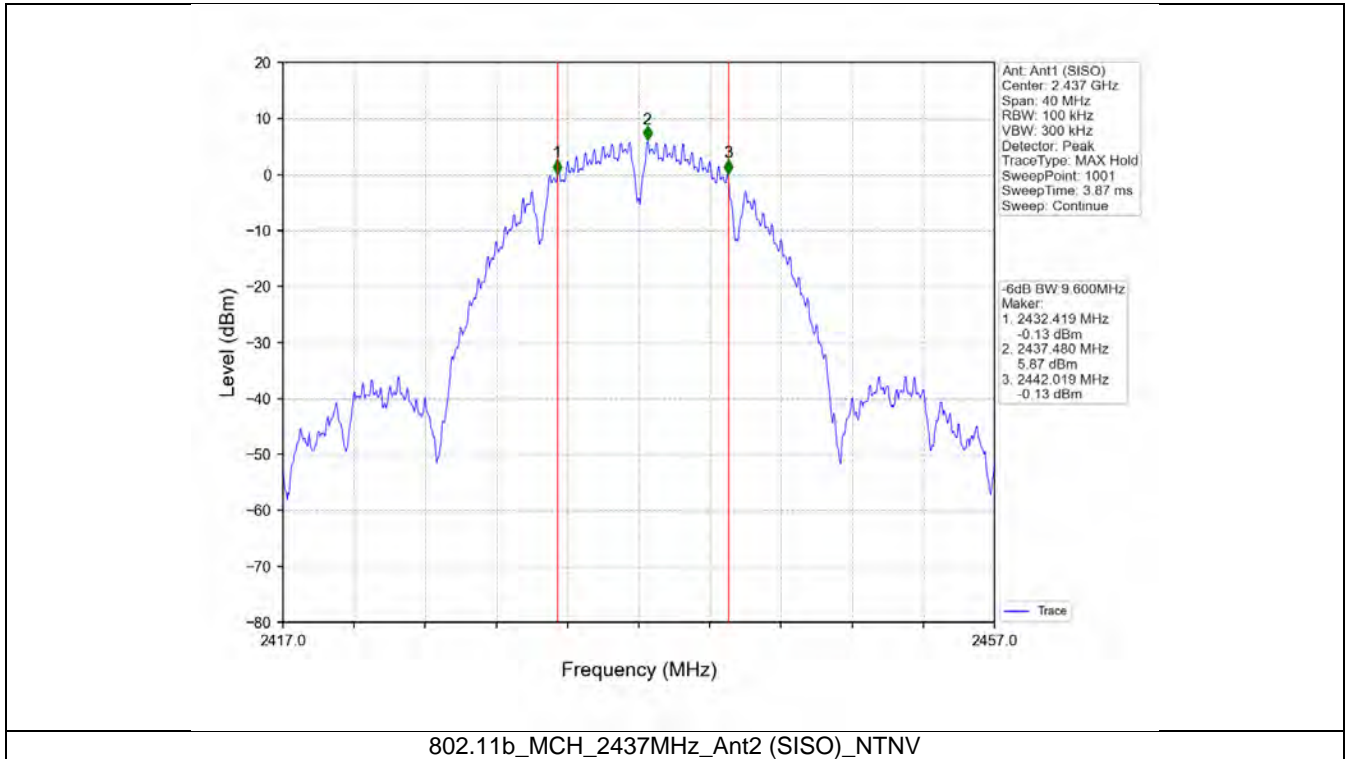


802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



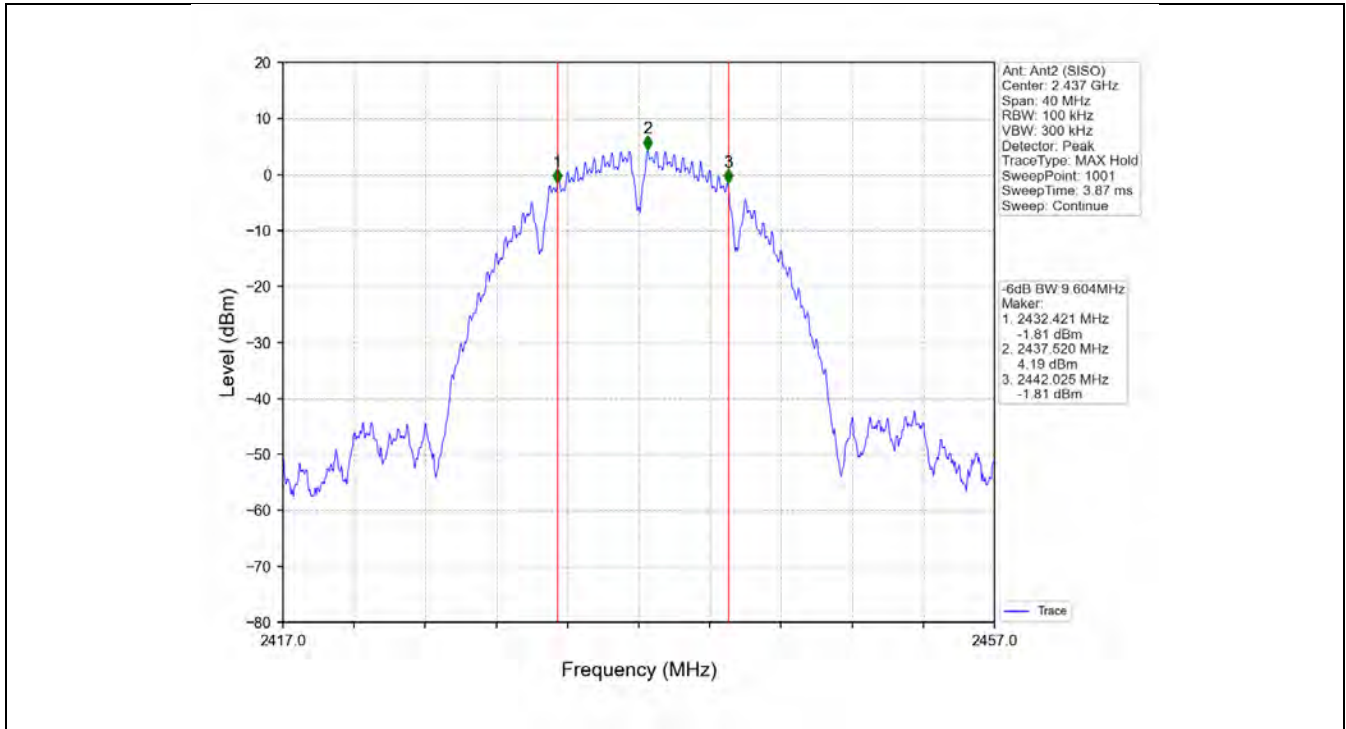
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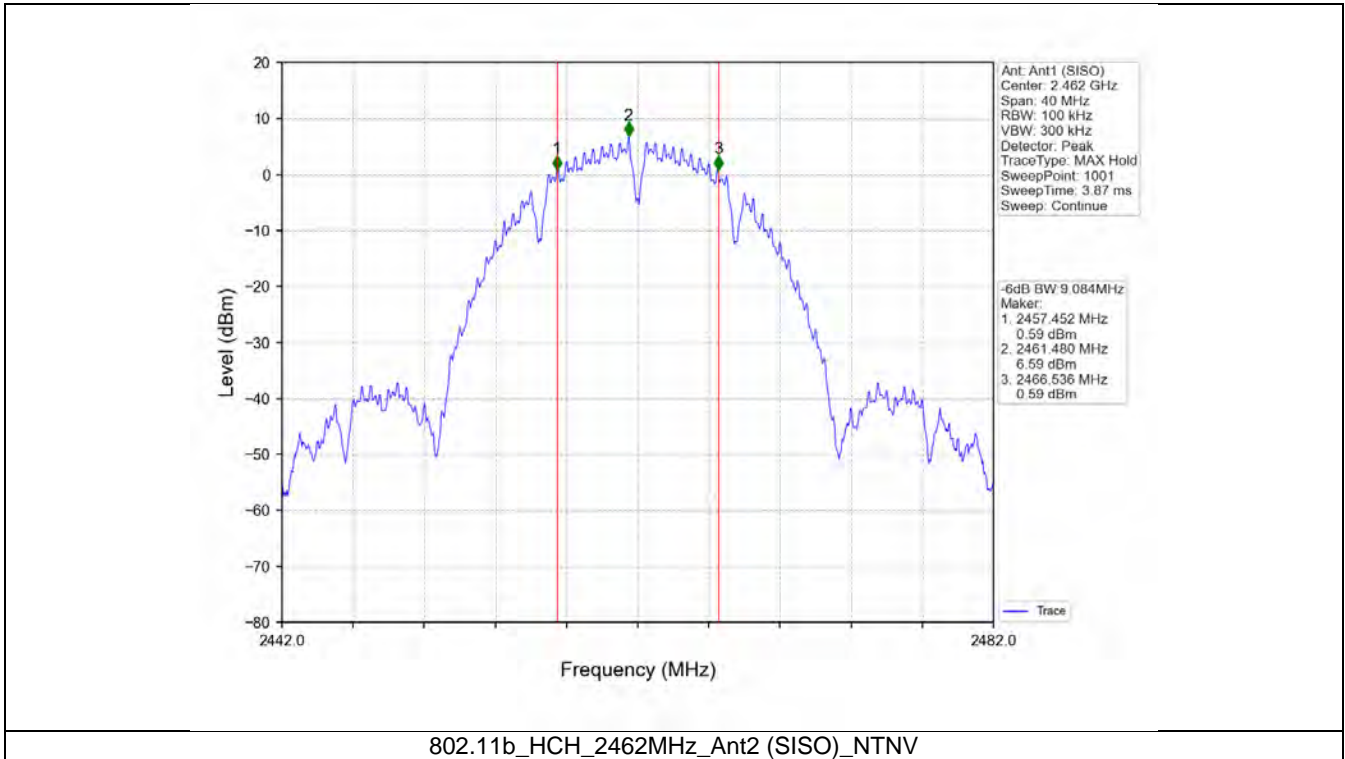


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



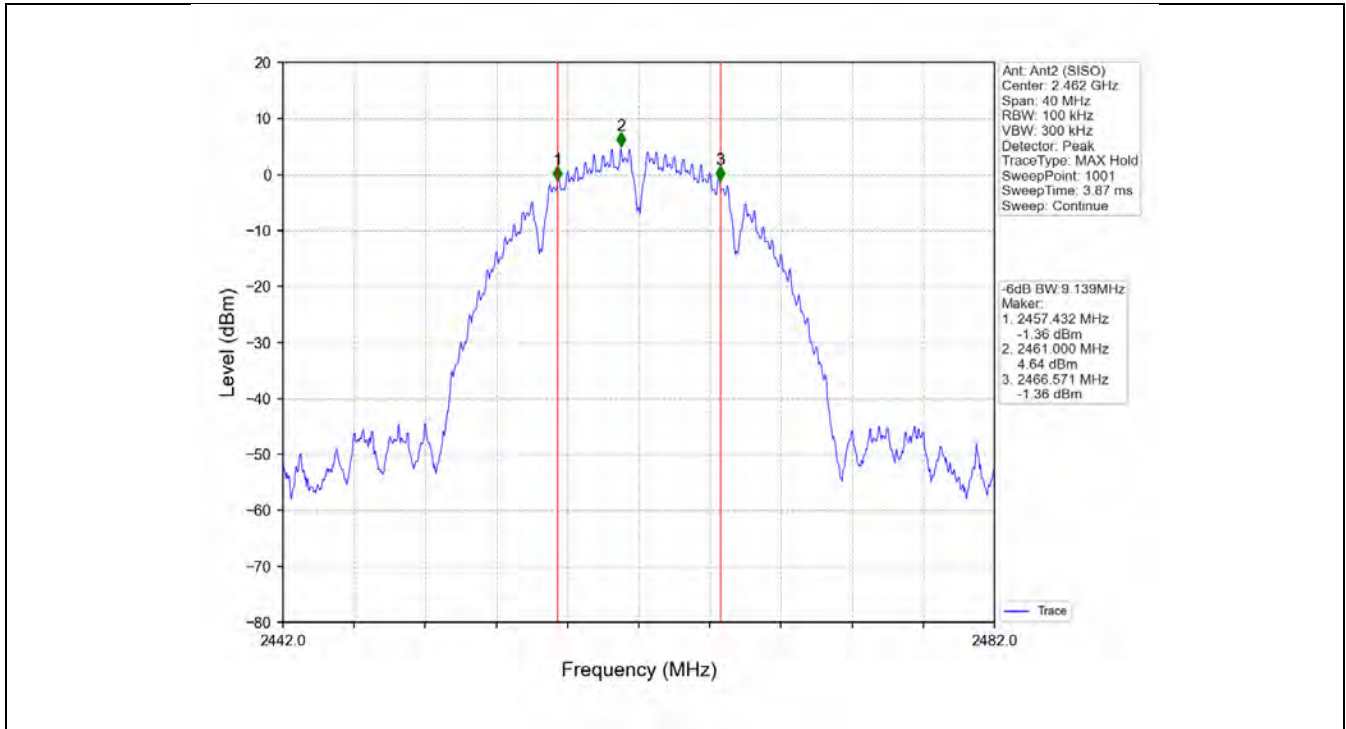
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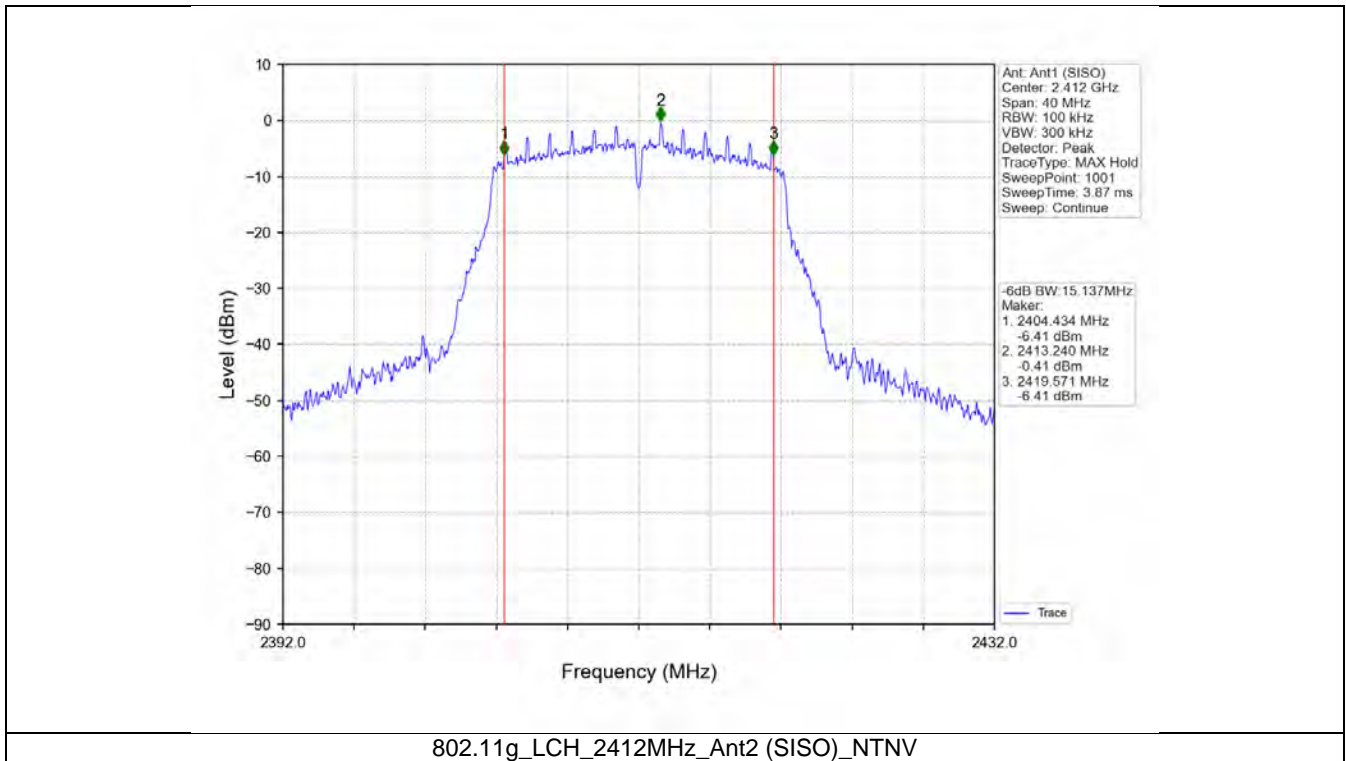


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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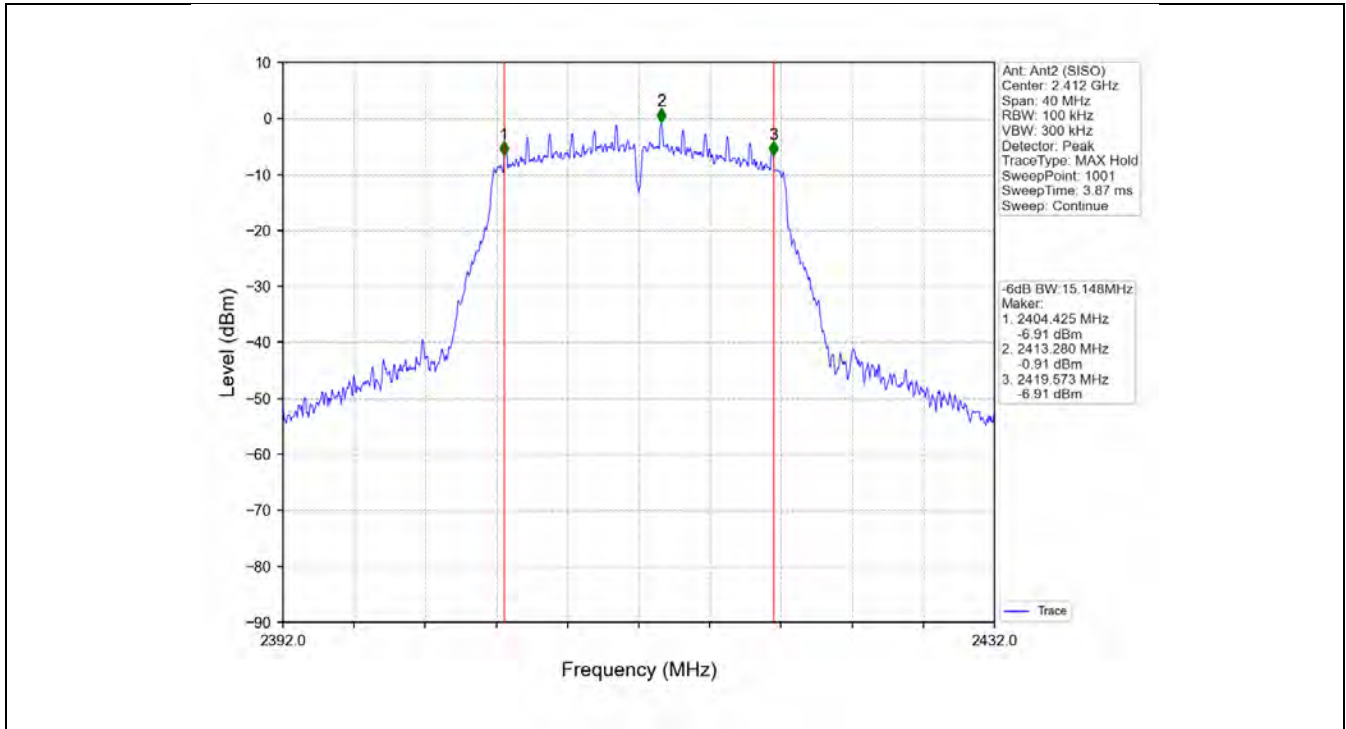
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

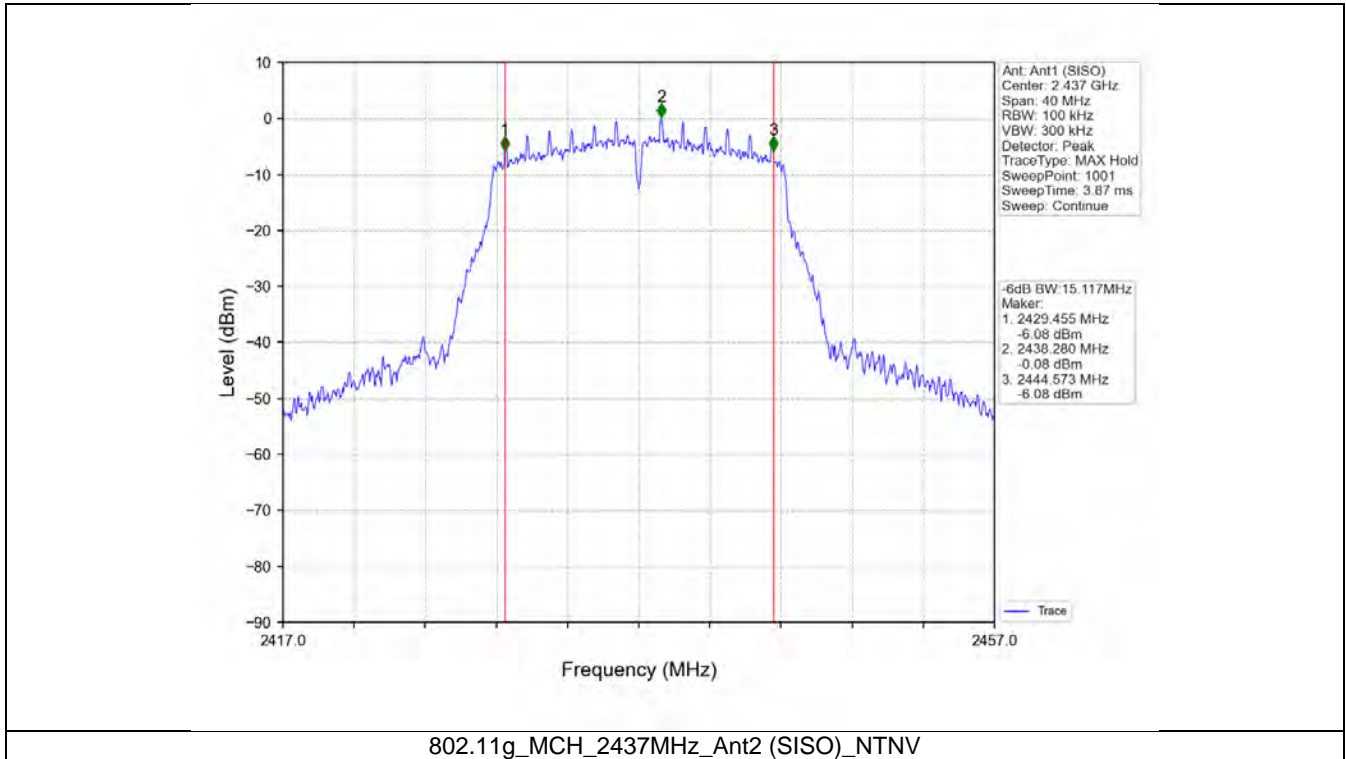


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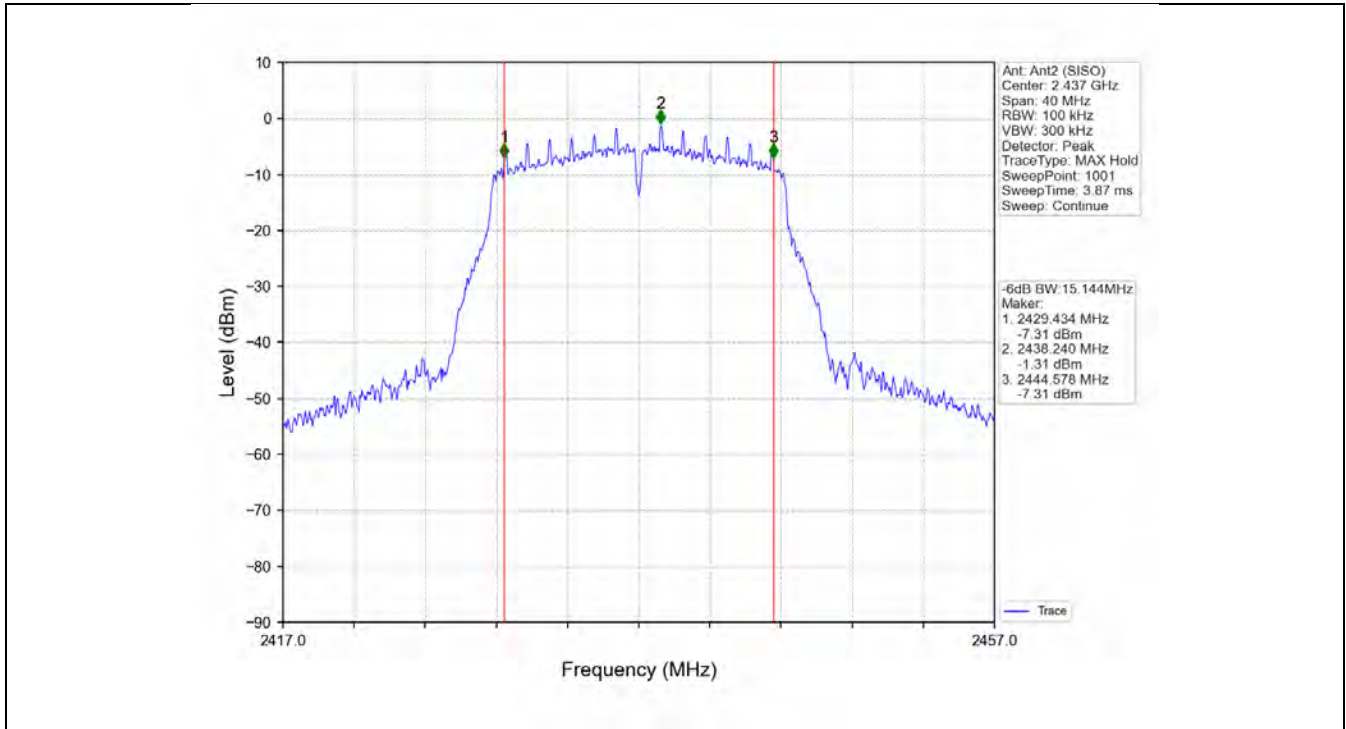
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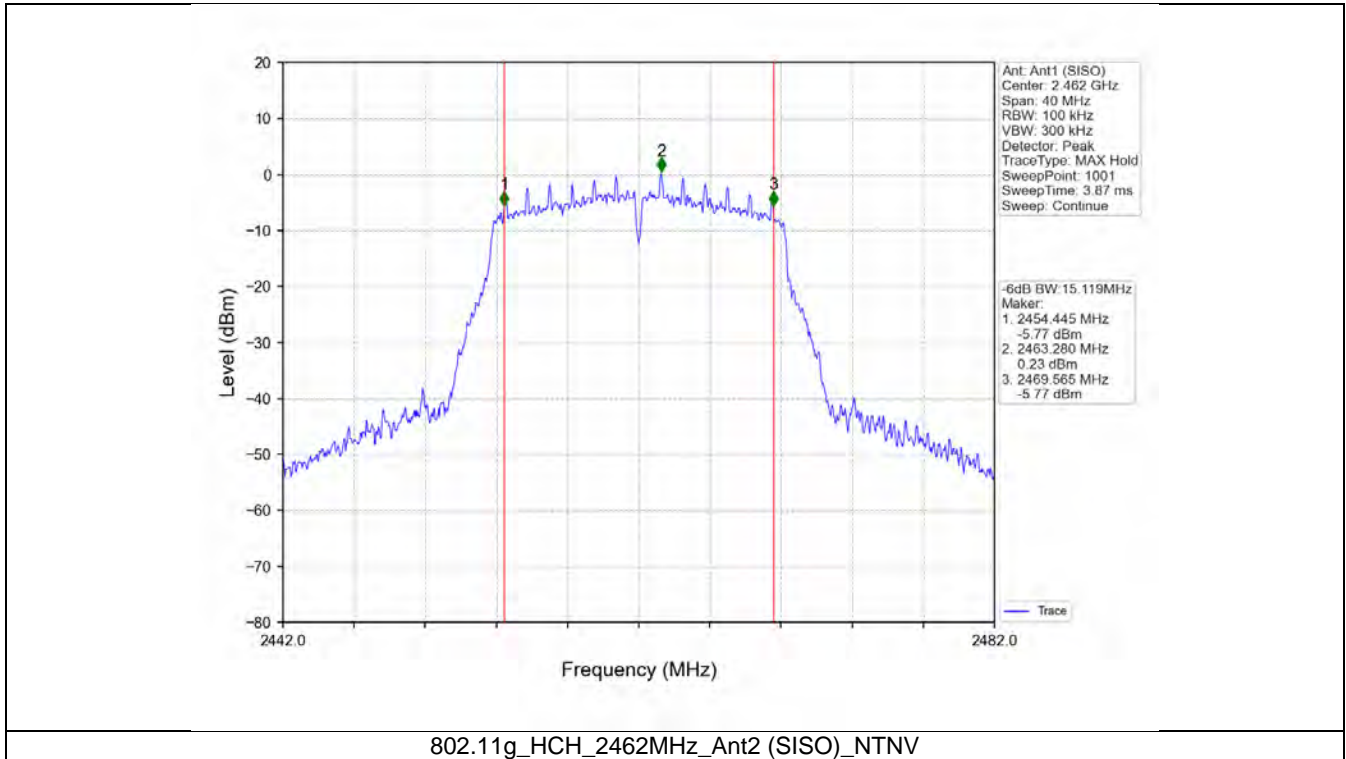


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



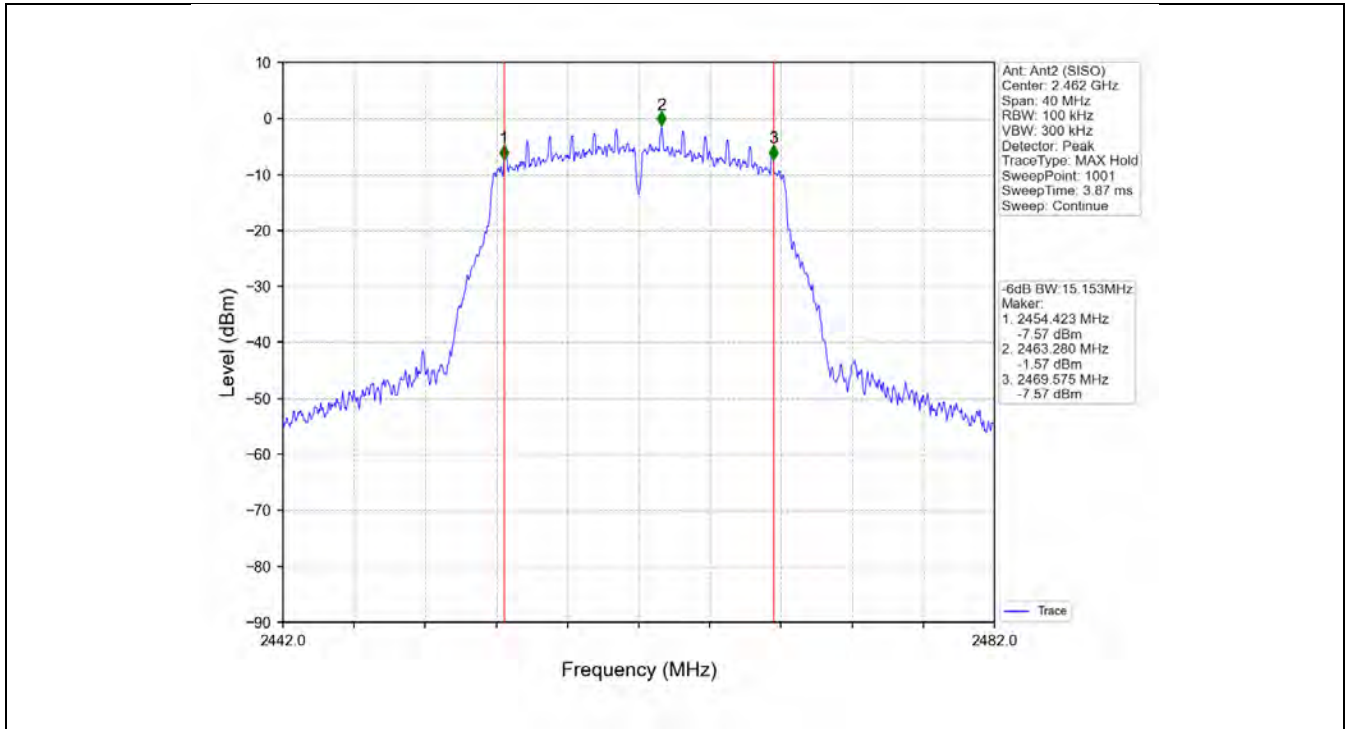
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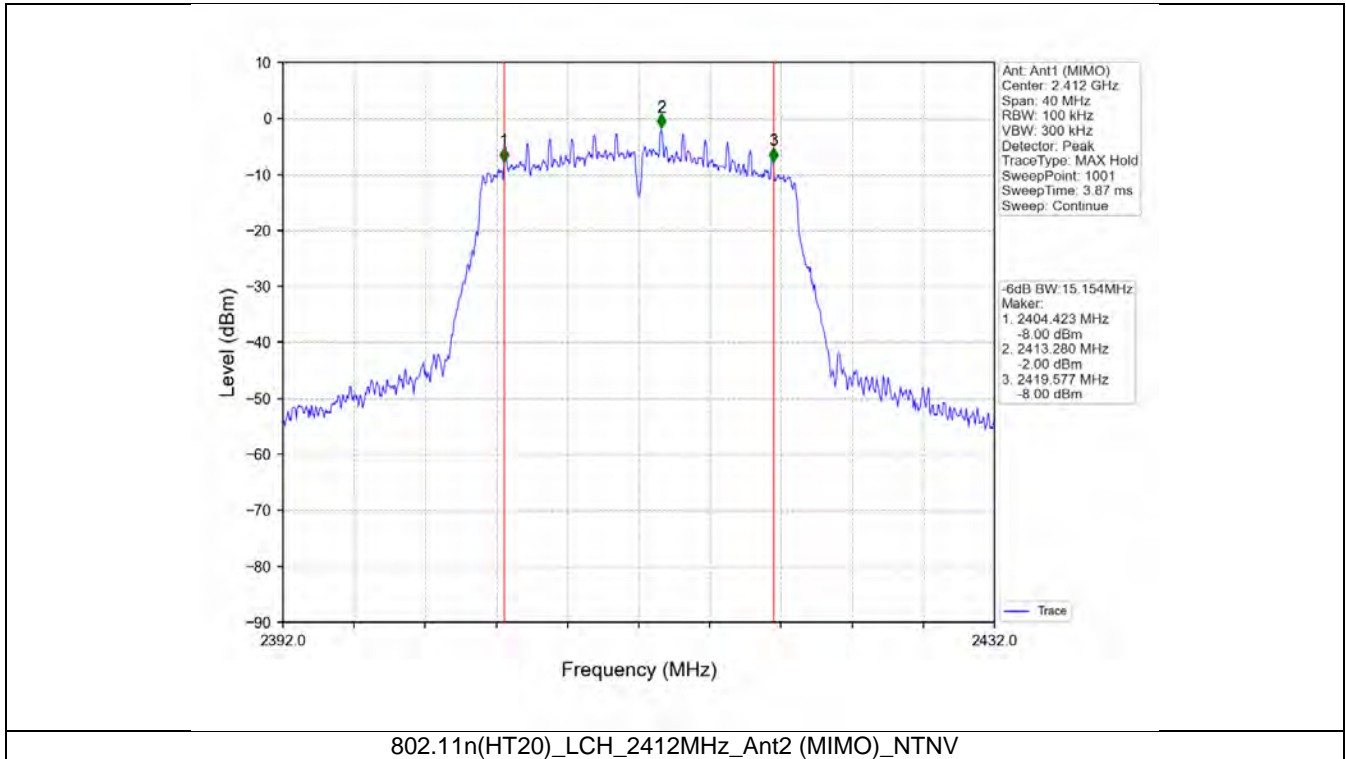


802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



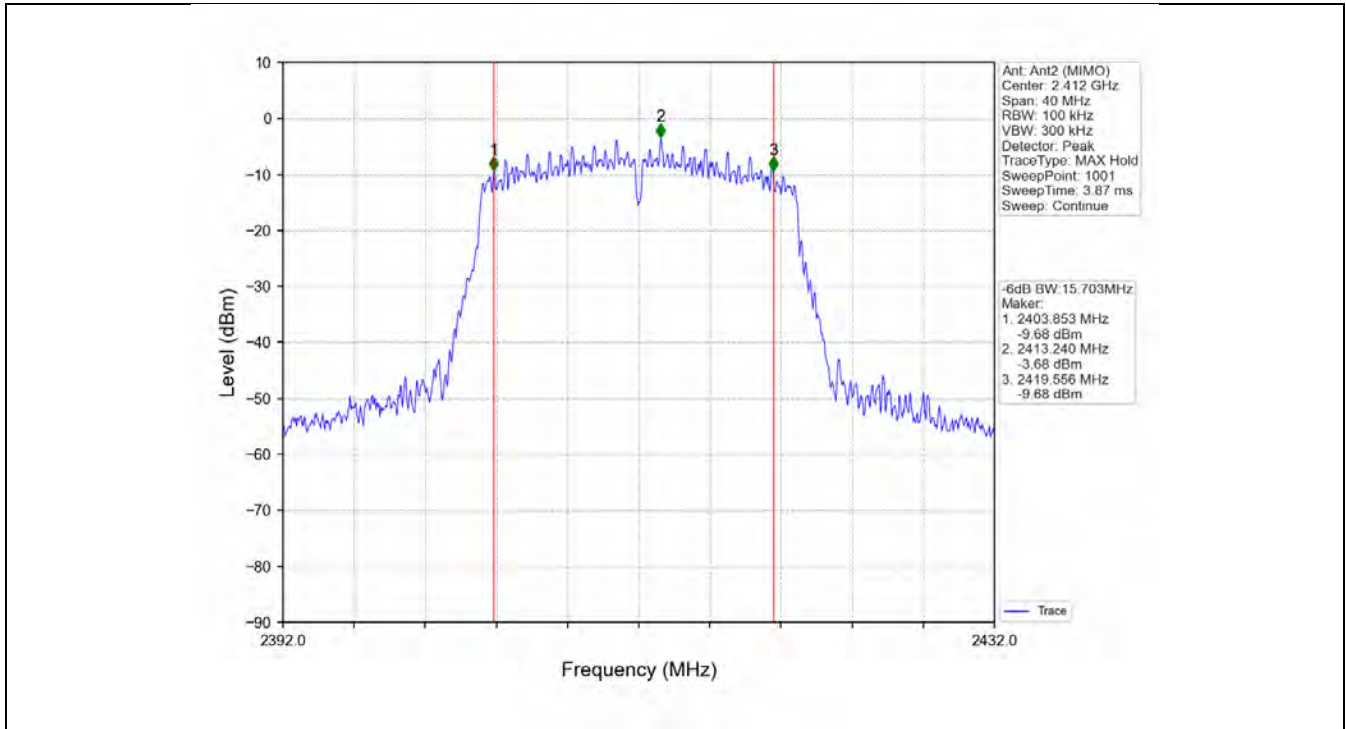
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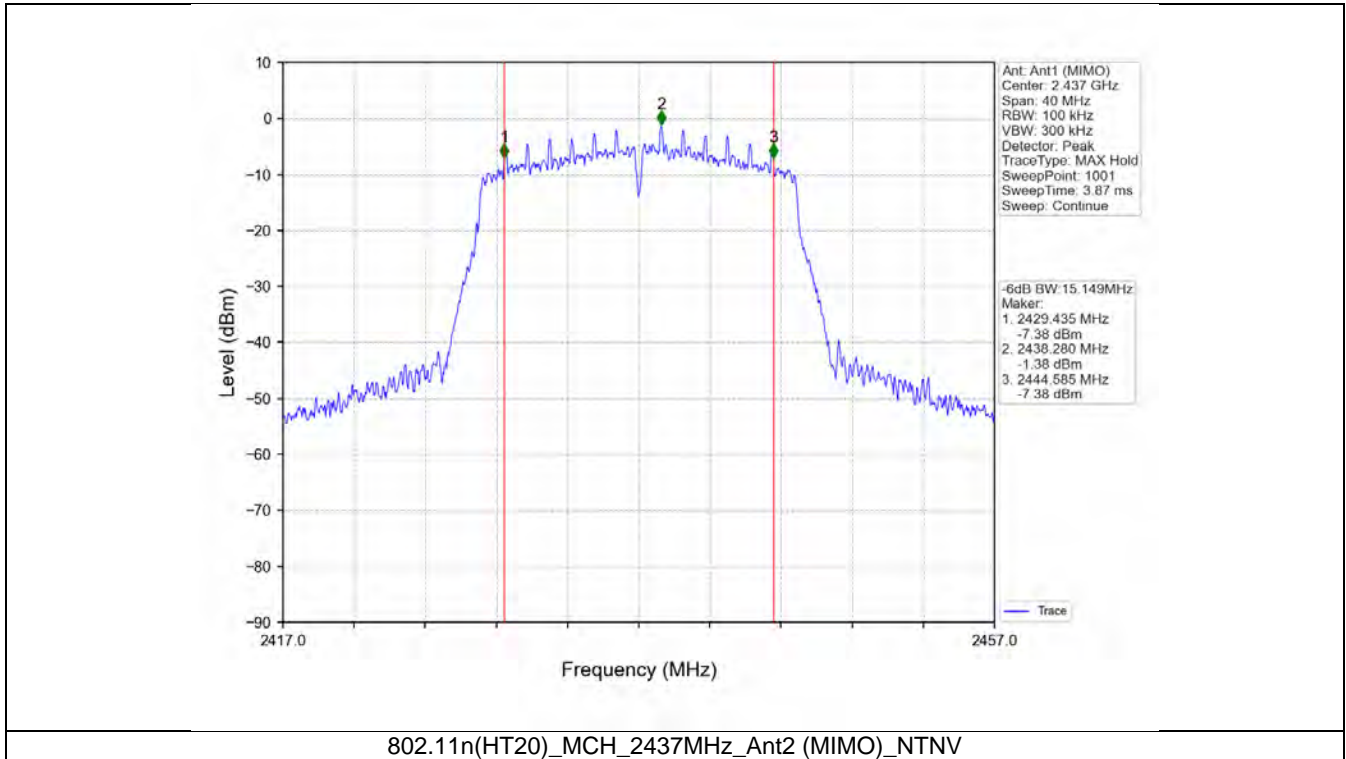


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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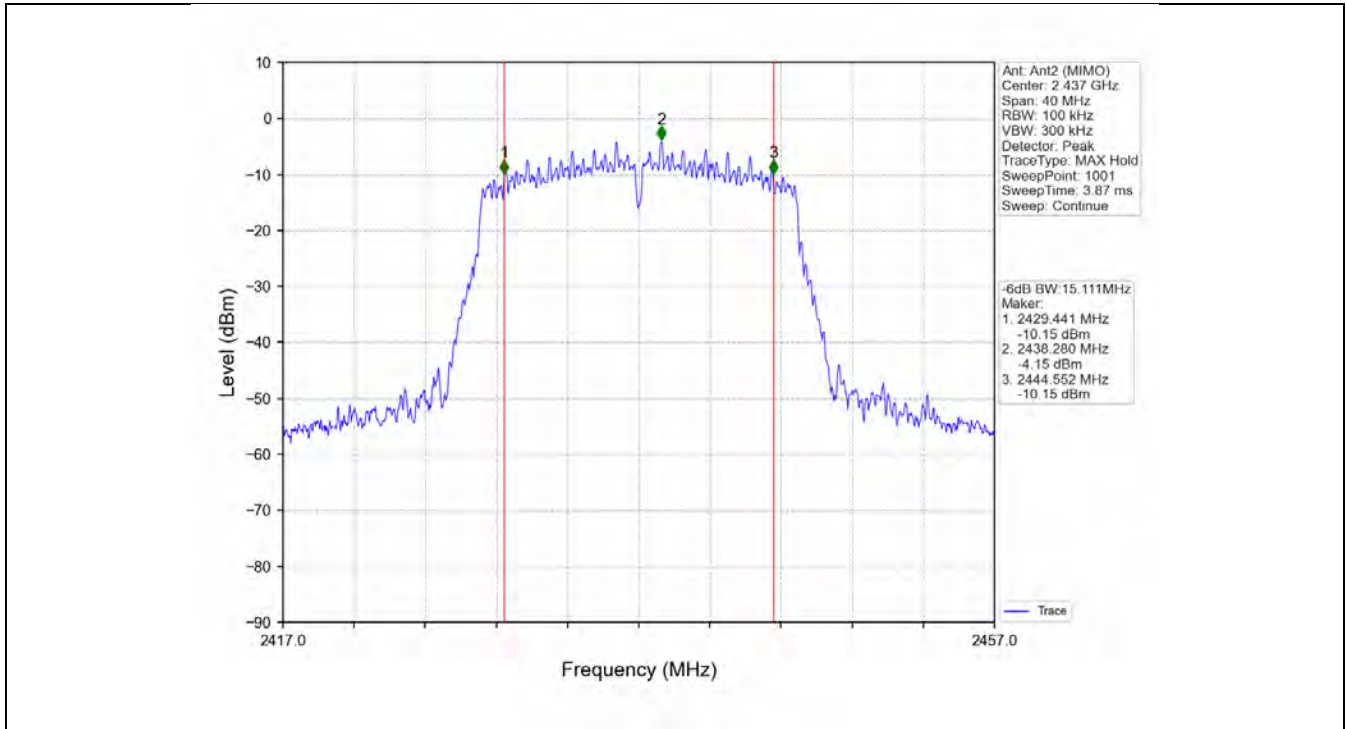


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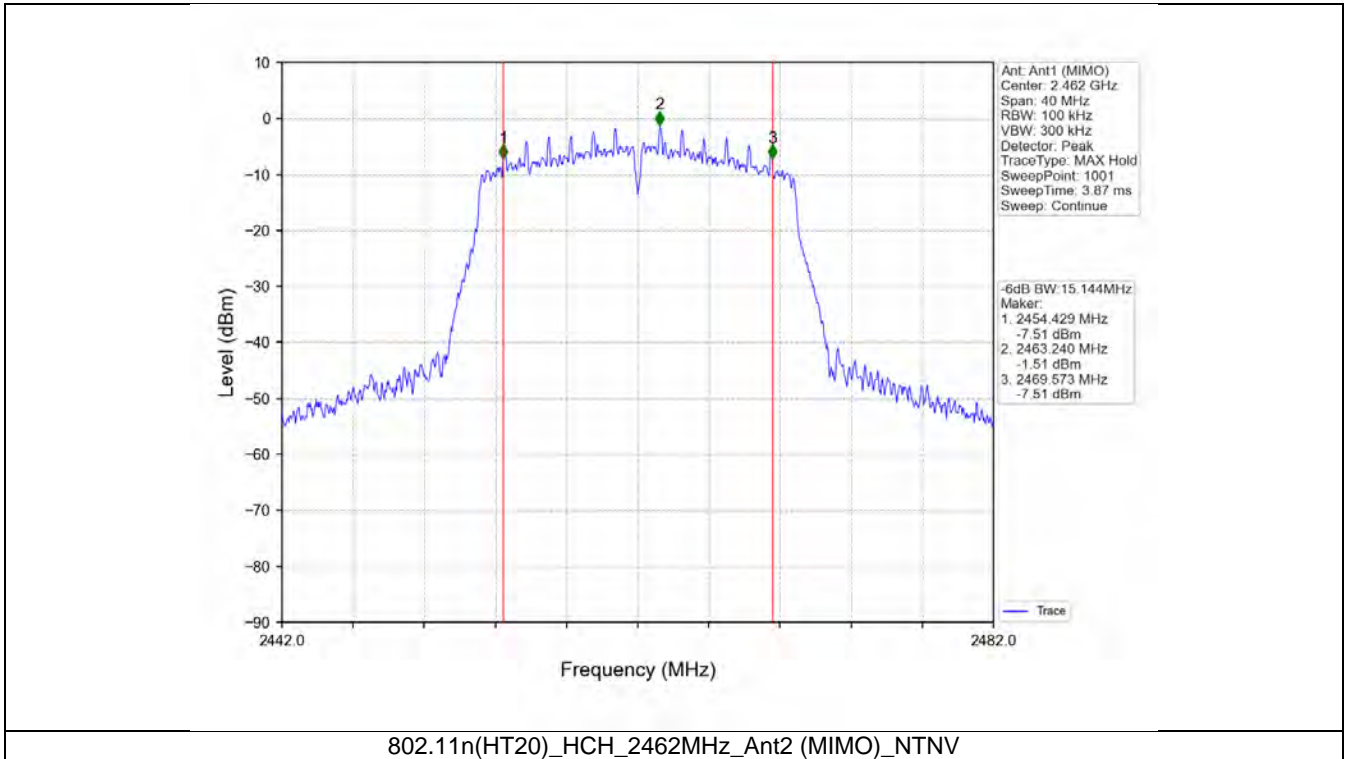


802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



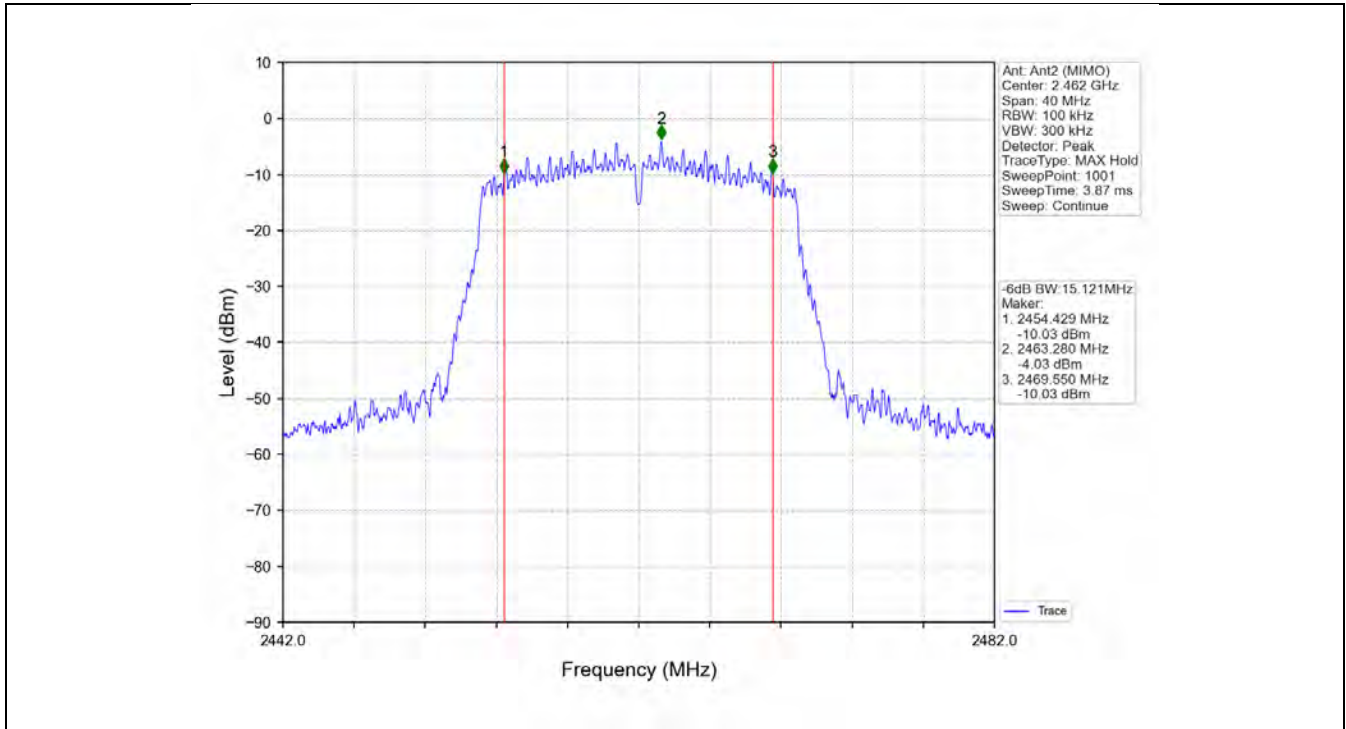
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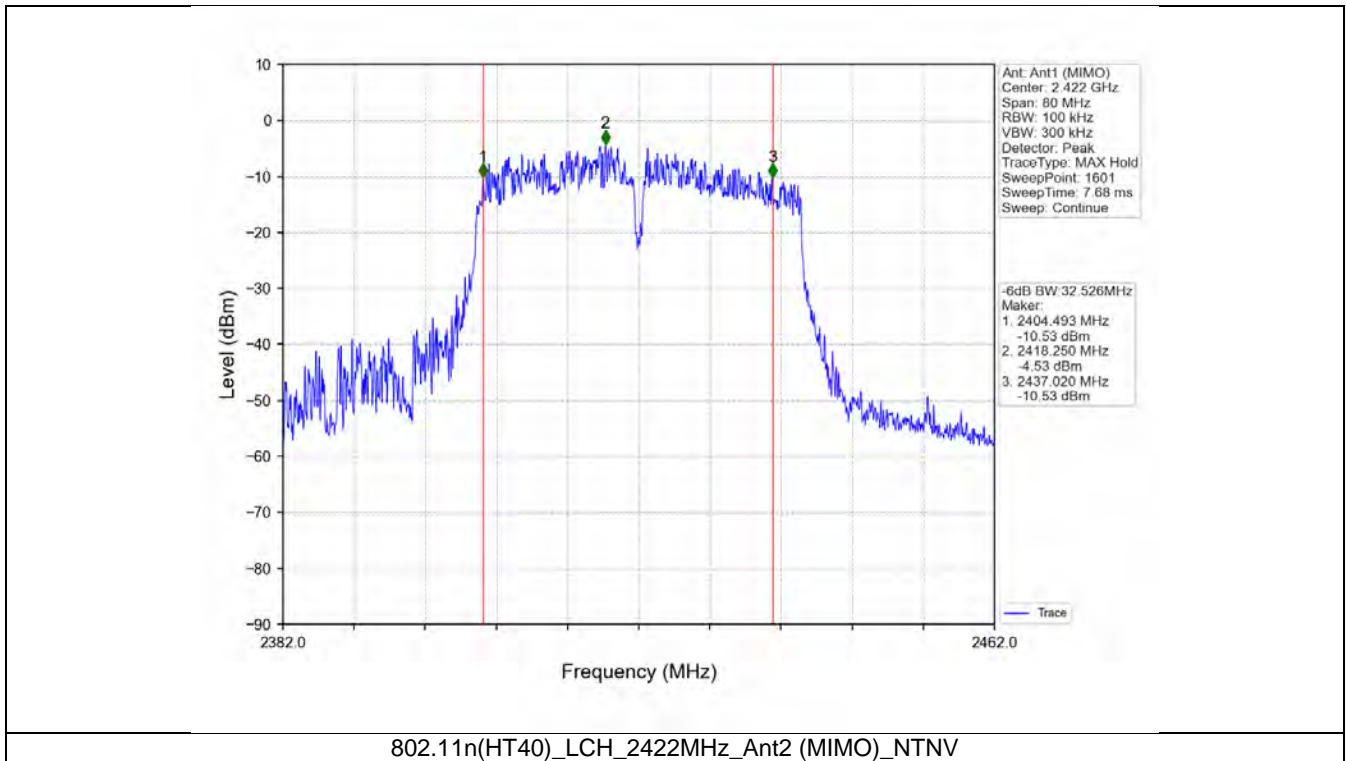


802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



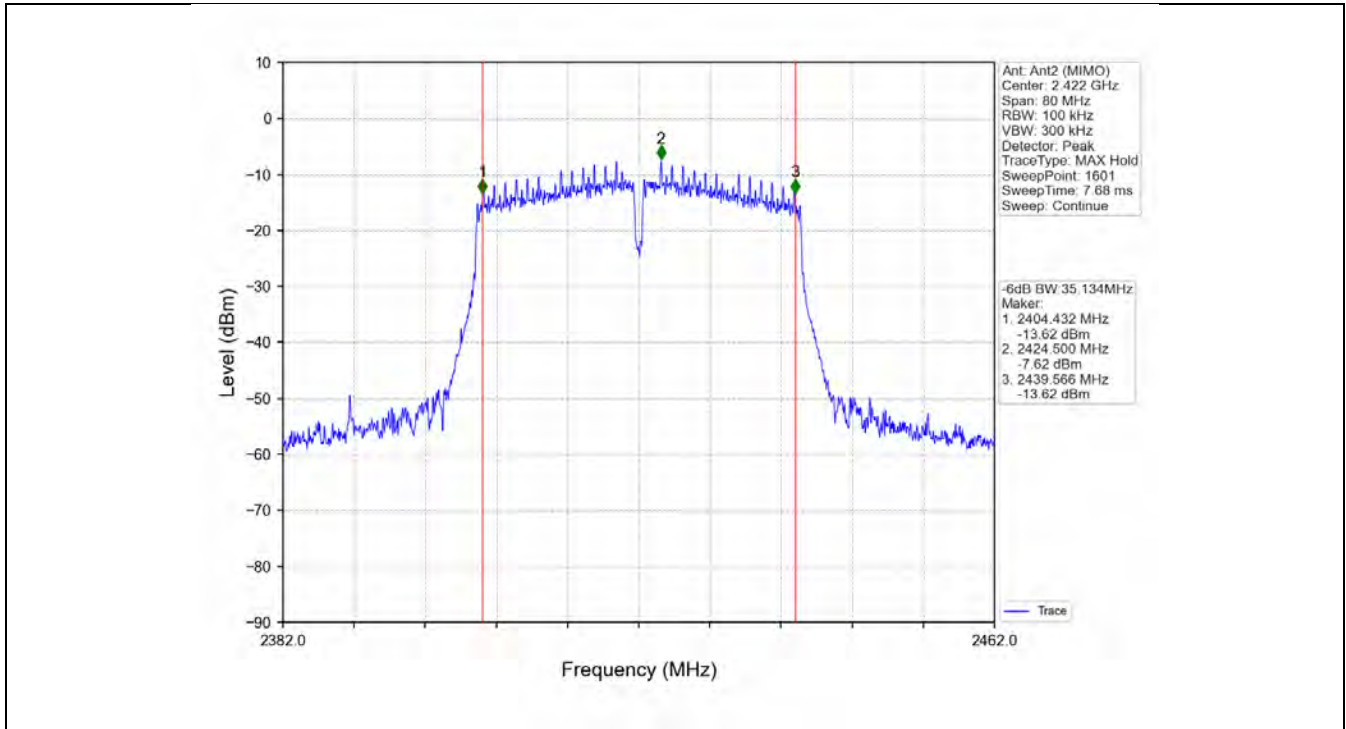
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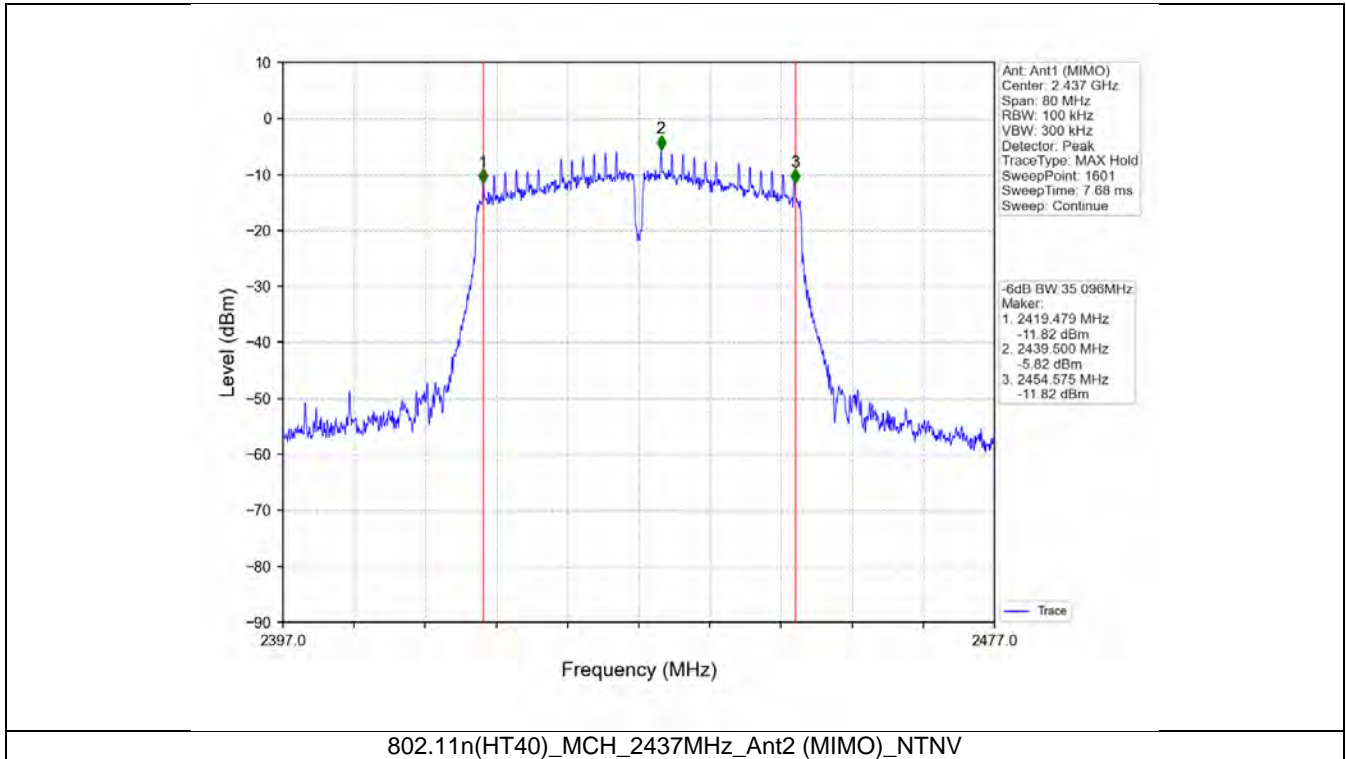


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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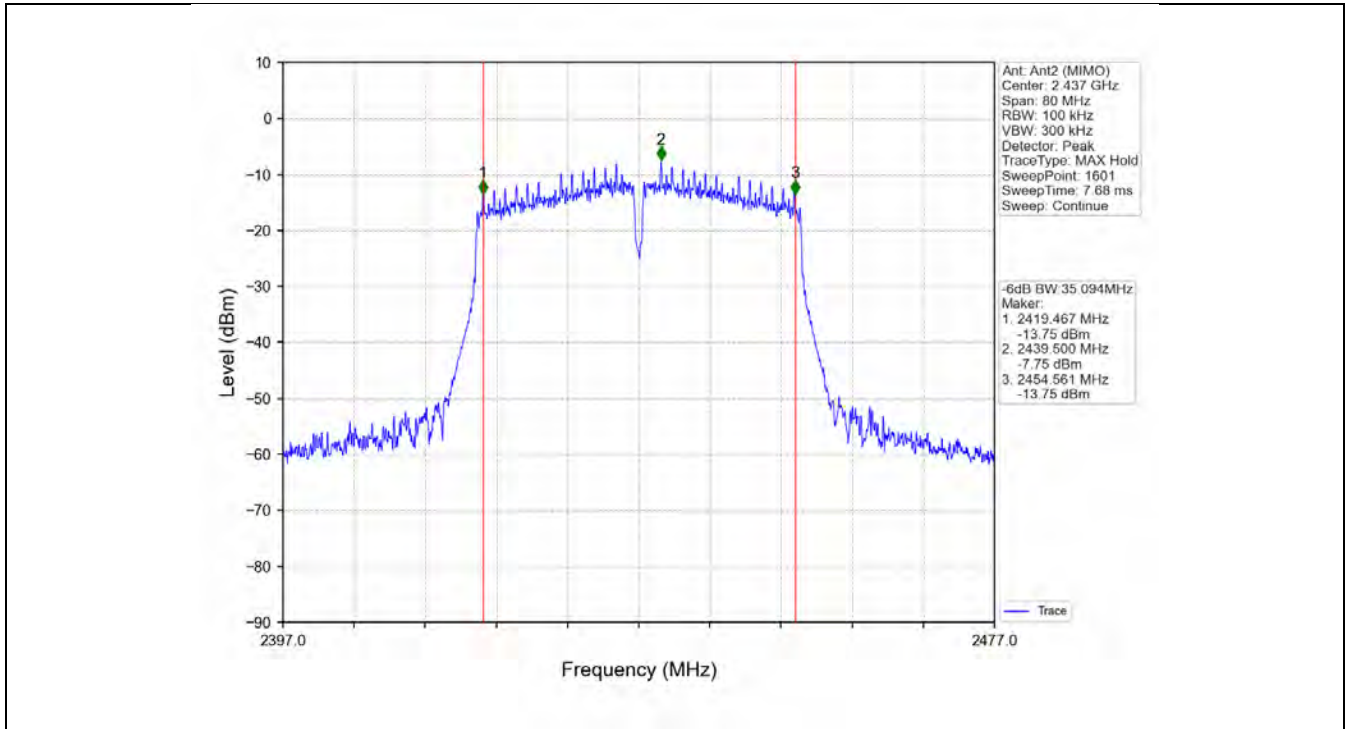
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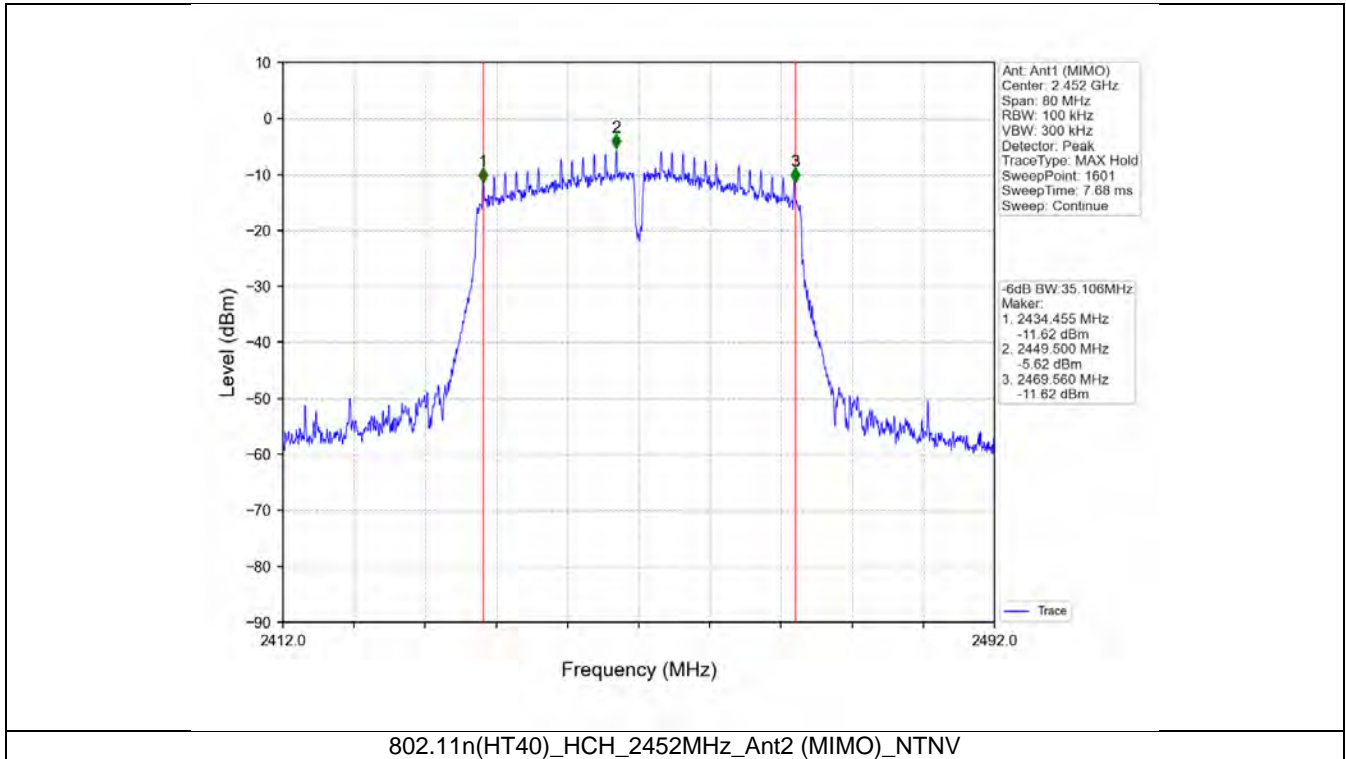


802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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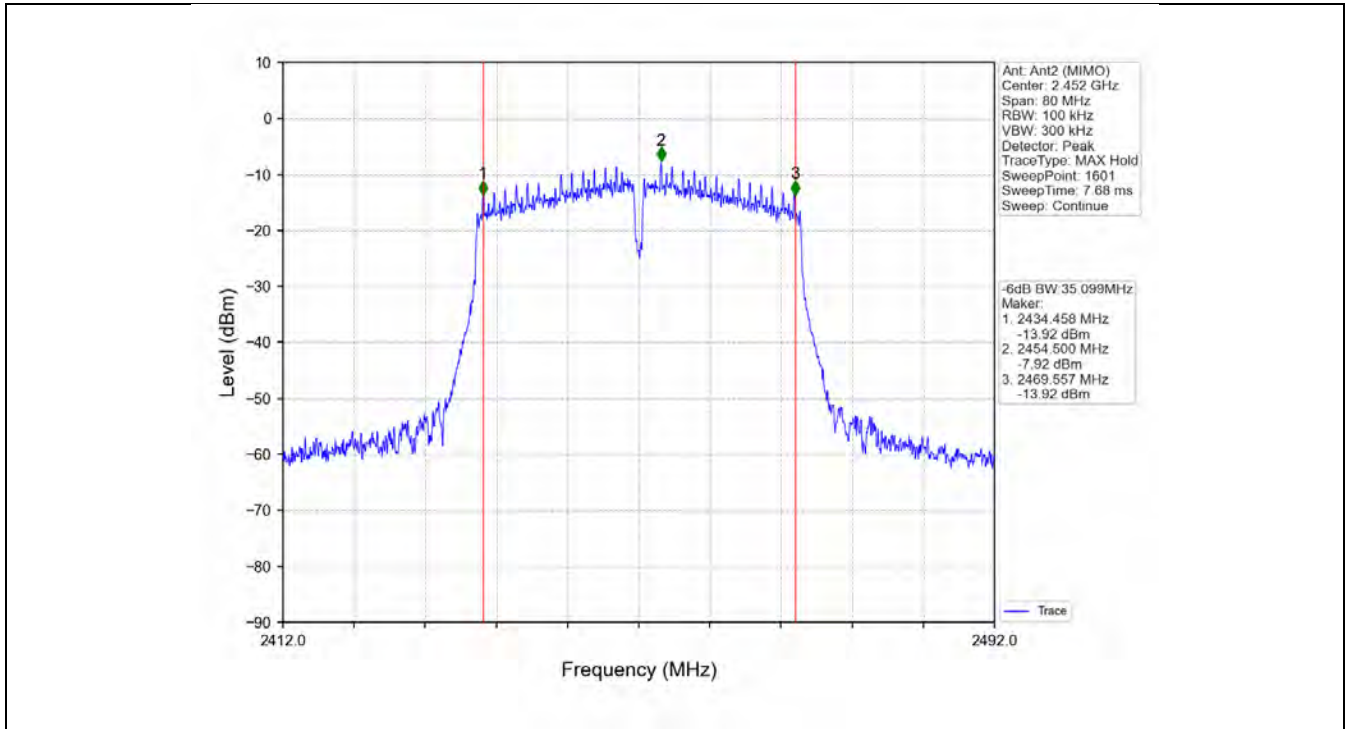
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Measured Peak Output Power (dBm)			Limit (dBm)	Verdict
					Ant1	Ant2	Sum		
802.11b	SISO	2412	/	/	17.27	16.80	/	<=30	Pass
		2437	/	/	18.06	16.32	/	<=30	Pass
		2462	/	/	17.75	16.04	/	<=30	Pass
802.11g	SISO	2412	/	/	17.15	16.59	/	<=30	Pass
		2437	/	/	17.56	16.10	/	<=30	Pass
		2462	/	/	17.63	16.16	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	15.30	14.27	17.83	<=30	Pass
		2437	/	/	15.87	13.74	17.94	<=30	Pass
		2462	/	/	15.93	13.73	17.98	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	13.78	12.89	16.37	<=30	Pass
		2437	/	/	14.63	12.62	16.75	<=30	Pass
		2452	/	/	14.63	12.60	16.74	<=30	Pass

Note1: Antenna Gain: Ant1: 2.50dBi; Ant2: 2.50dBi;

Note2: Directional Gain: 2.5dBi



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
					Ant1	Ant2	Sum		
802.11b	SISO	2412	/	/	2.21	3.59	/	<=8	Pass
		2437	/	/	3.77	-1.44	/	<=8	Pass
		2462	/	/	2.97	0.77	/	<=8	Pass
802.11g	SISO	2412	/	/	-16.83	-17.56	/	<=8	Pass
		2437	/	/	-16.61	-17.61	/	<=8	Pass
		2462	/	/	-17.09	-18.00	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-18.52	-20.06	-16.53	<=8	Pass
		2437	/	/	-17.42	-20.40	-16.04	<=8	Pass
		2462	/	/	-17.37	-19.75	-15.39	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-17.61	-24.53	-16.93	<=8	Pass
		2437	/	/	-21.56	-24.21	-19.90	<=8	Pass
		2452	/	/	-21.14	-23.59	-20.00	<=8	Pass

Note1: Antenna Gain: Ant1: 2.50dBi; Ant2: 2.50dBi;

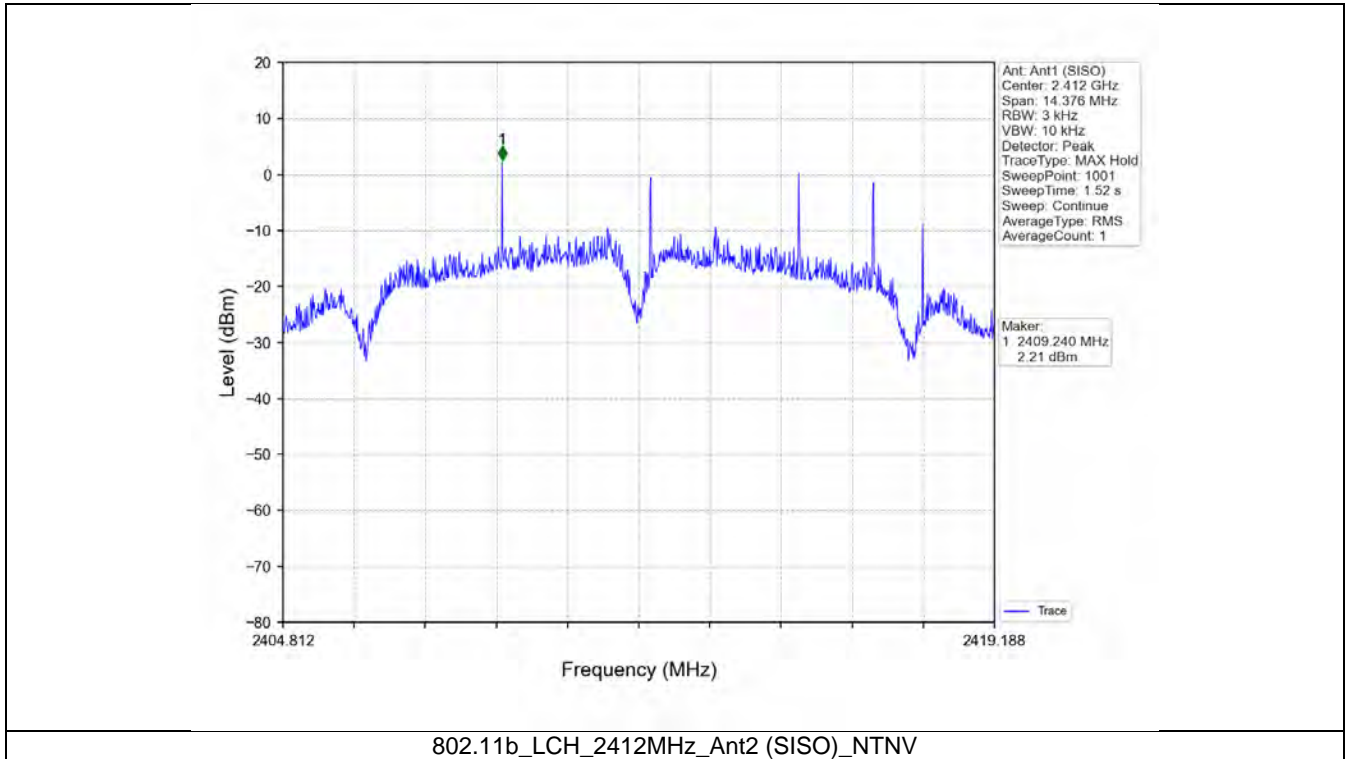
4.1.2 Test Graph

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



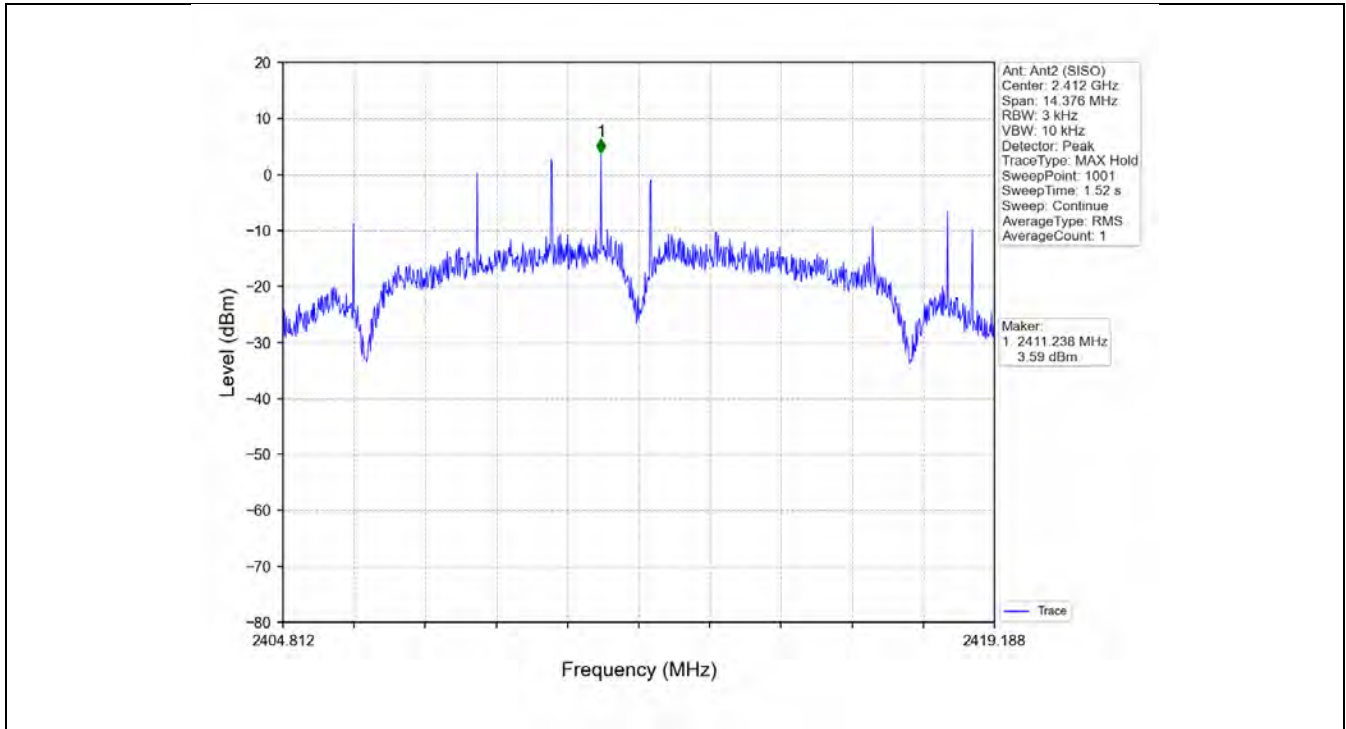
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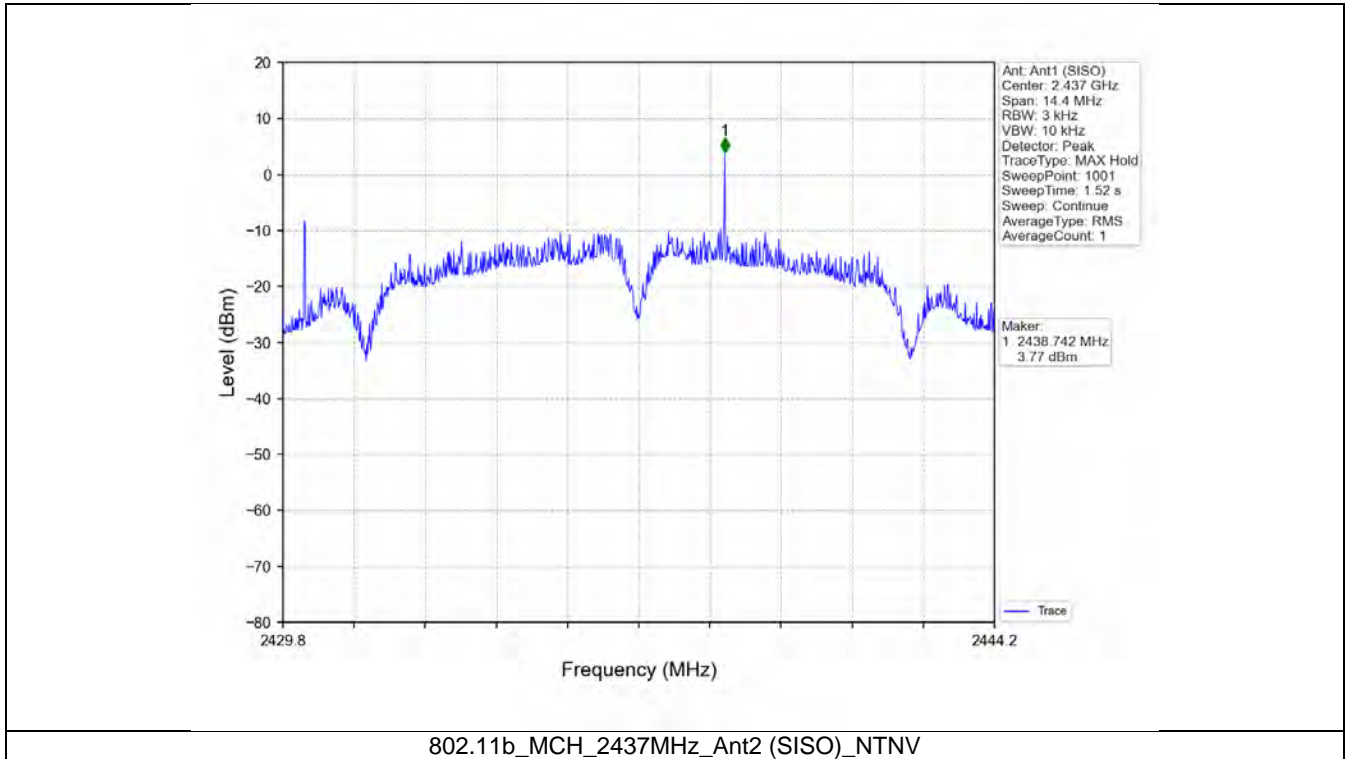


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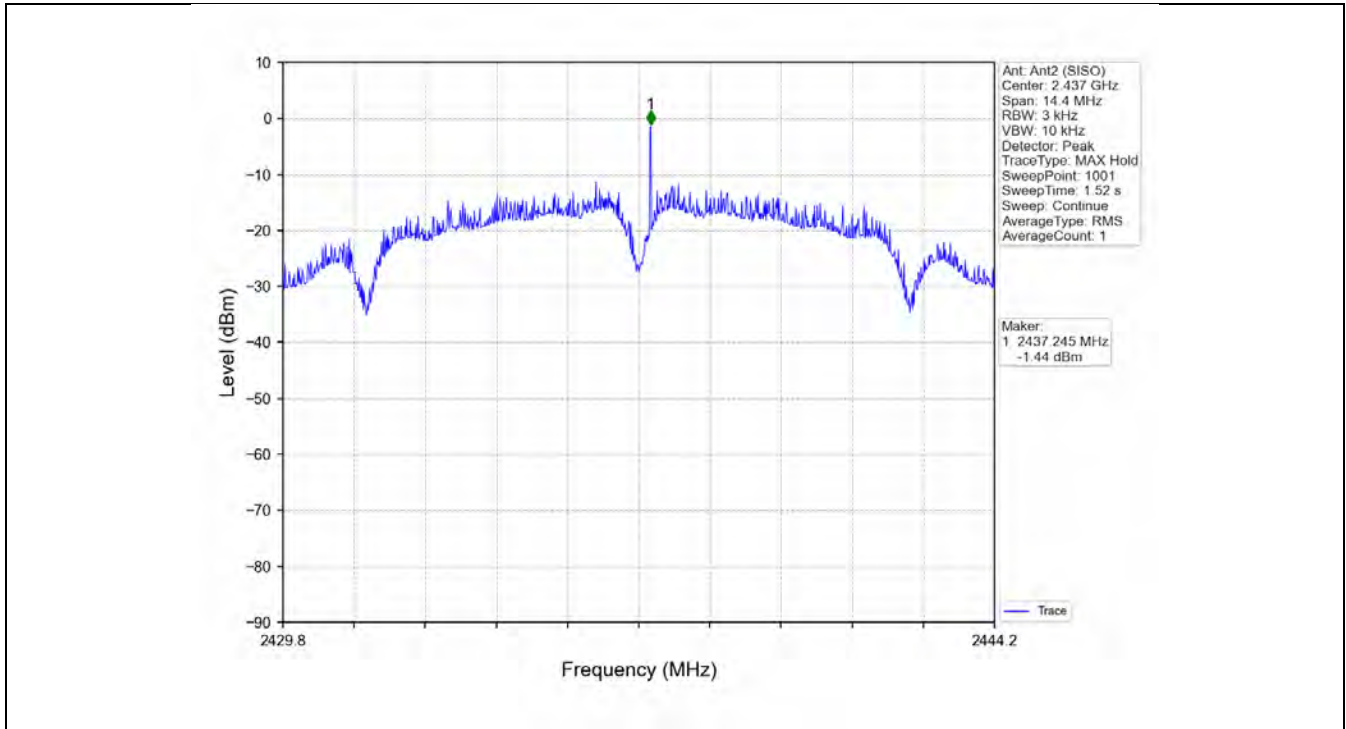


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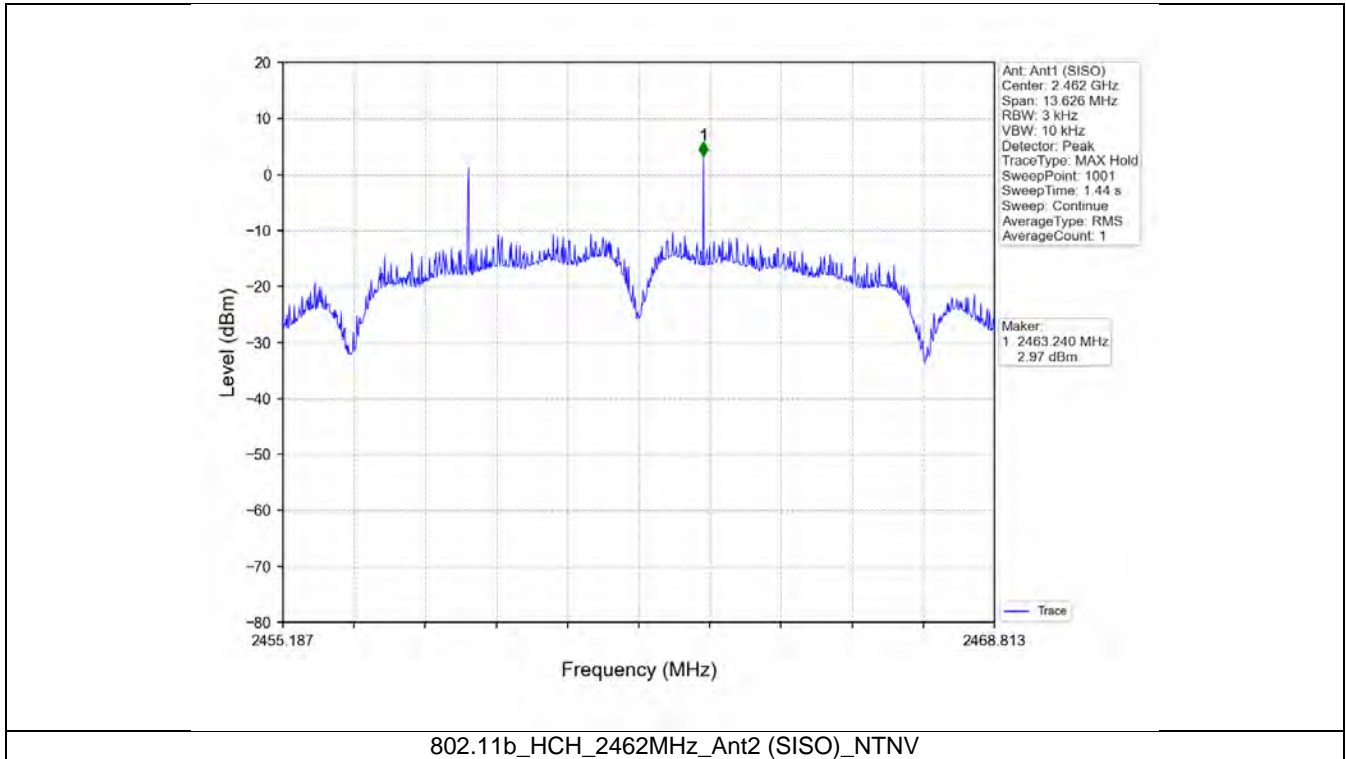
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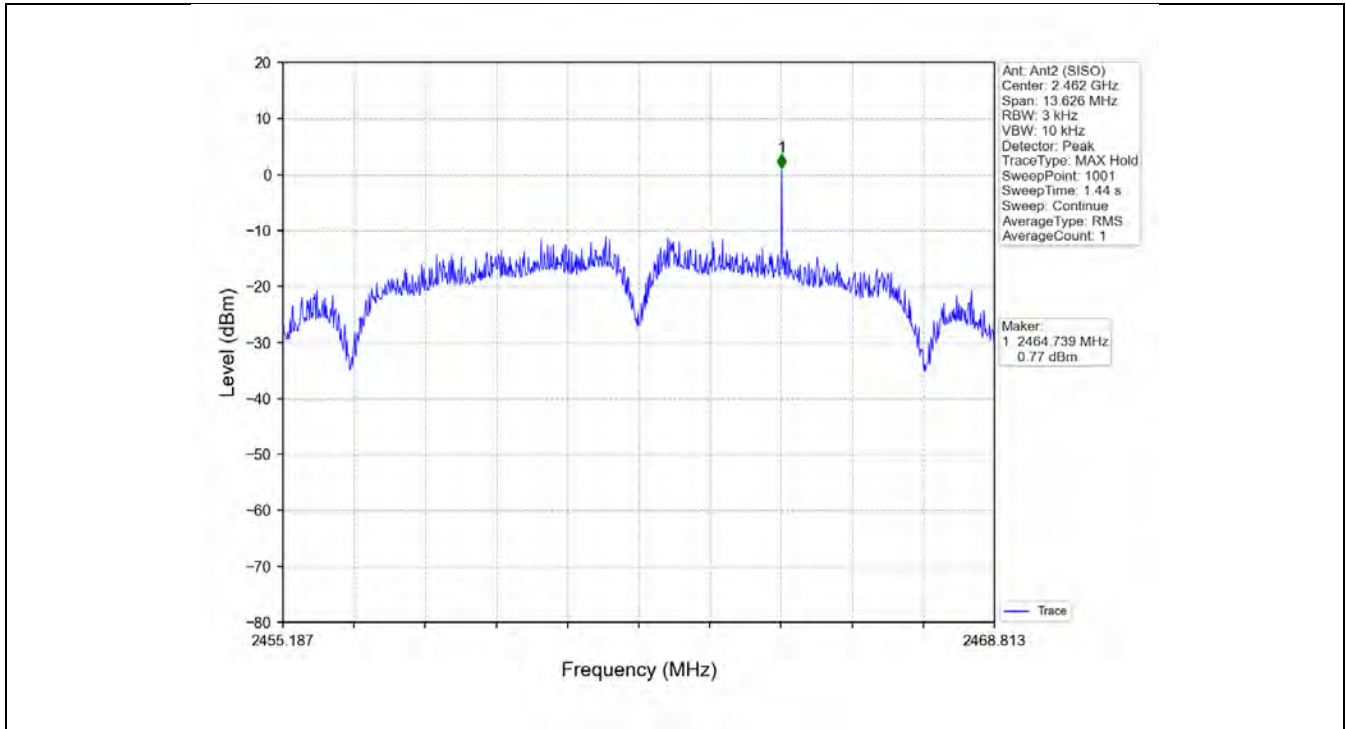
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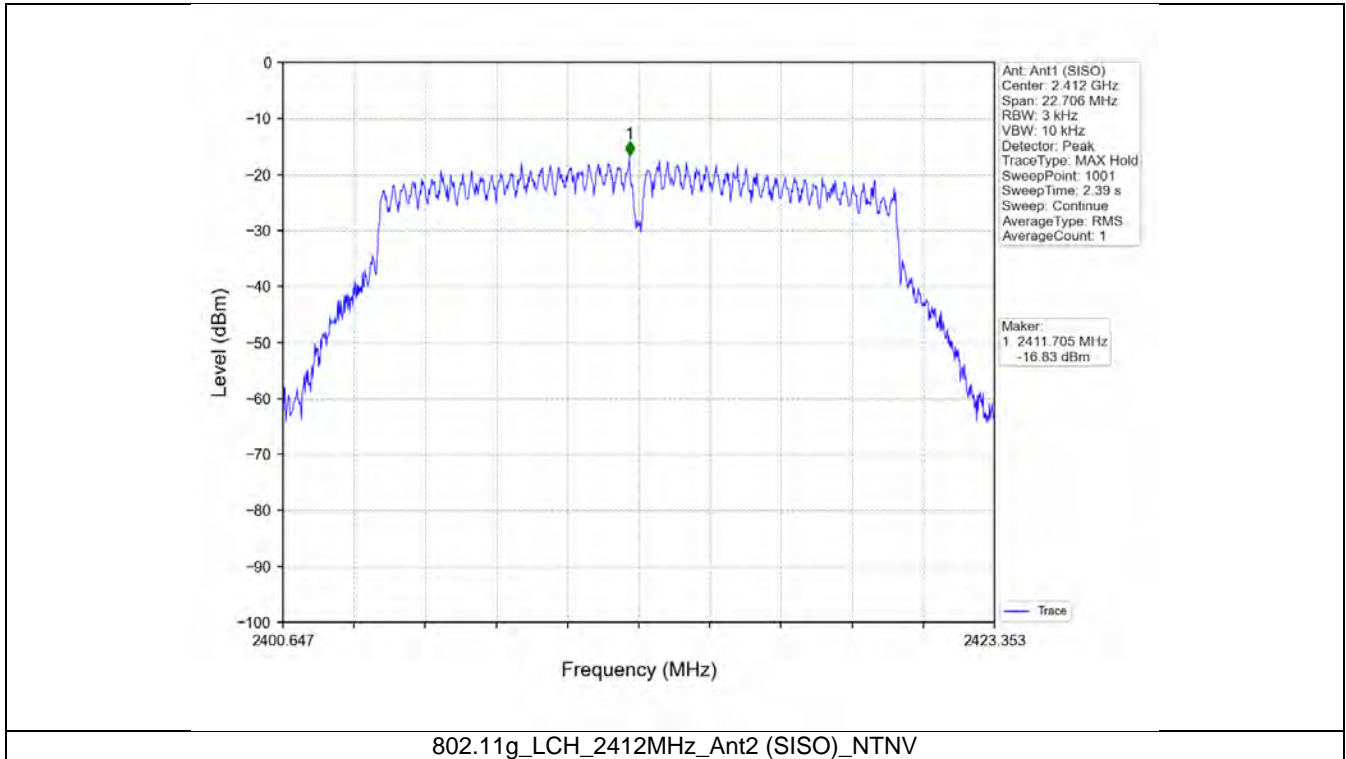


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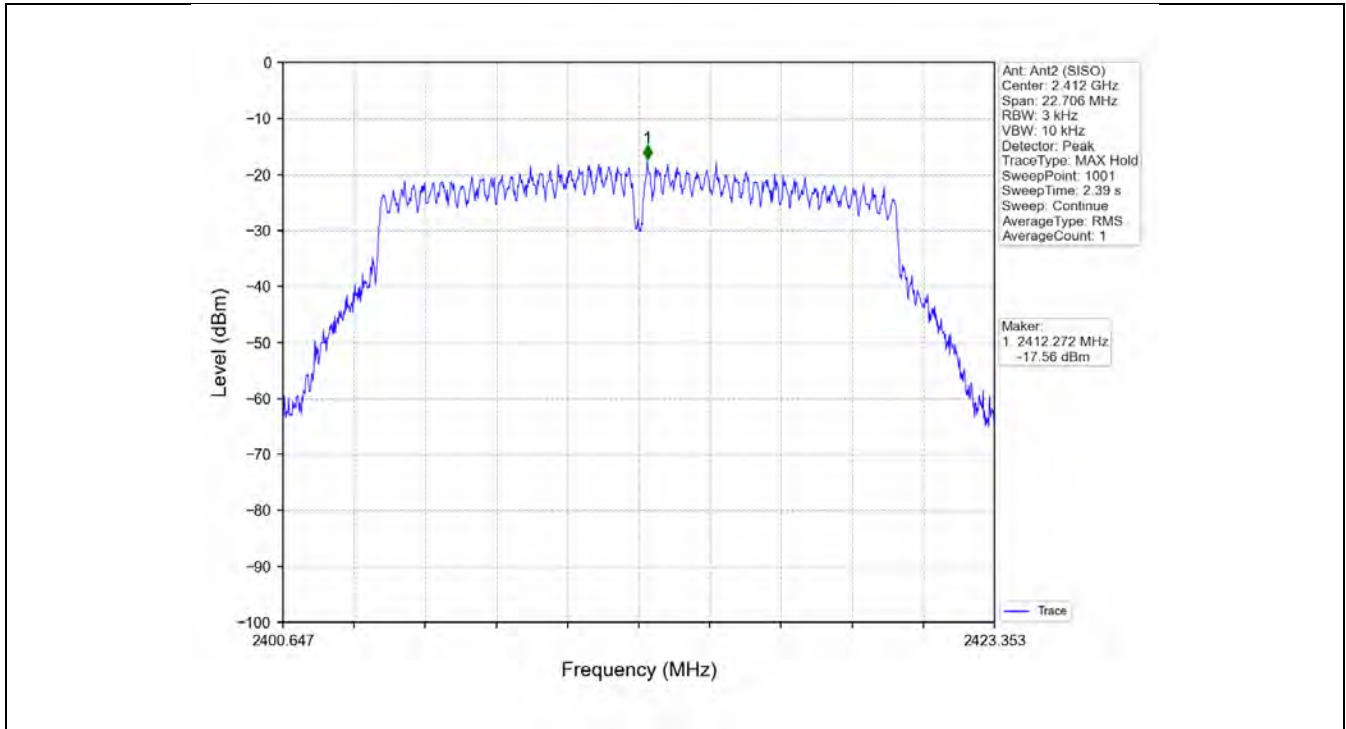
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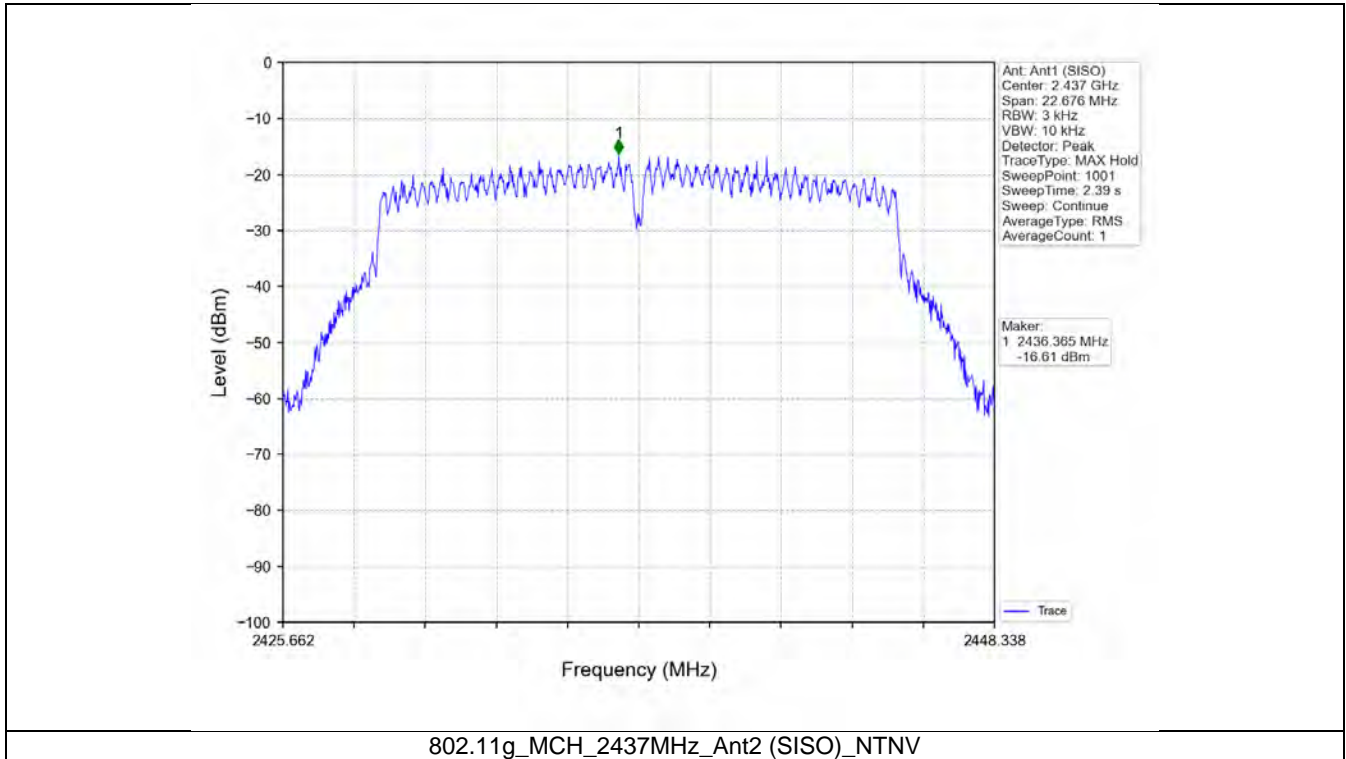


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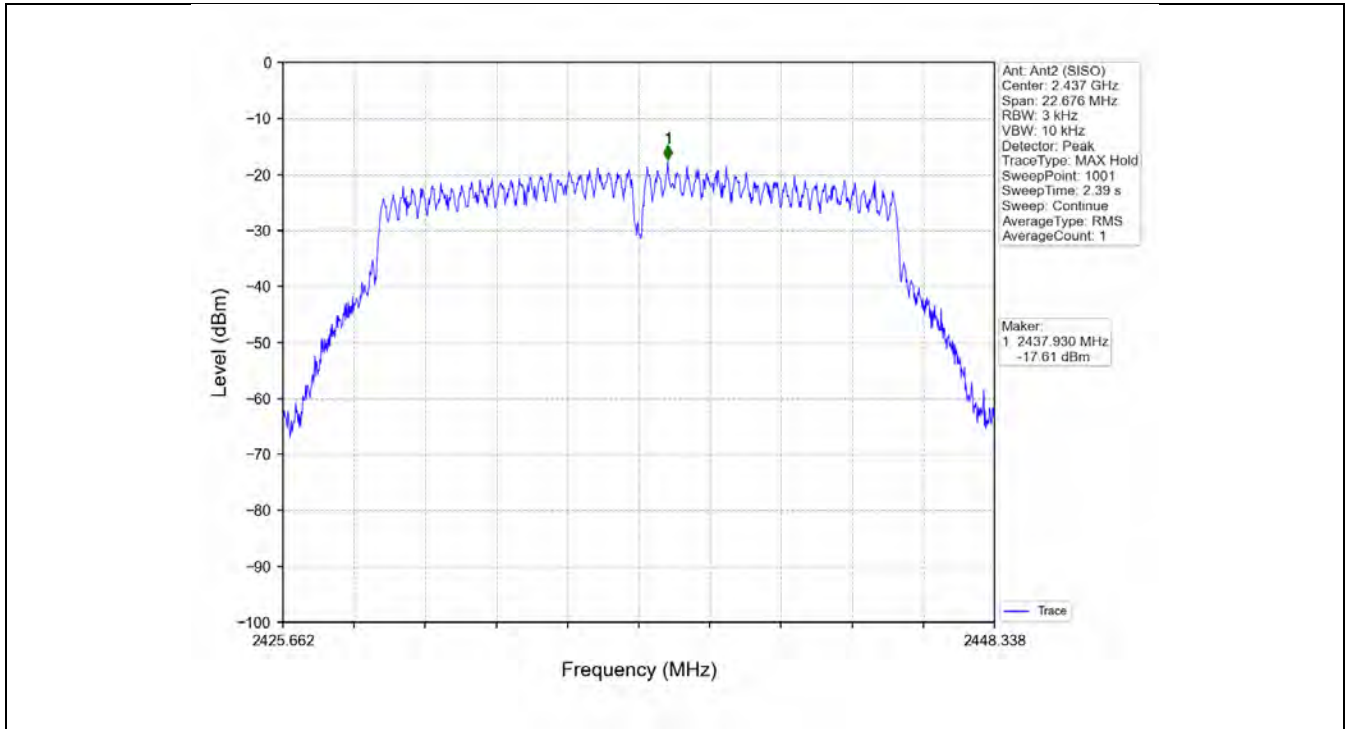
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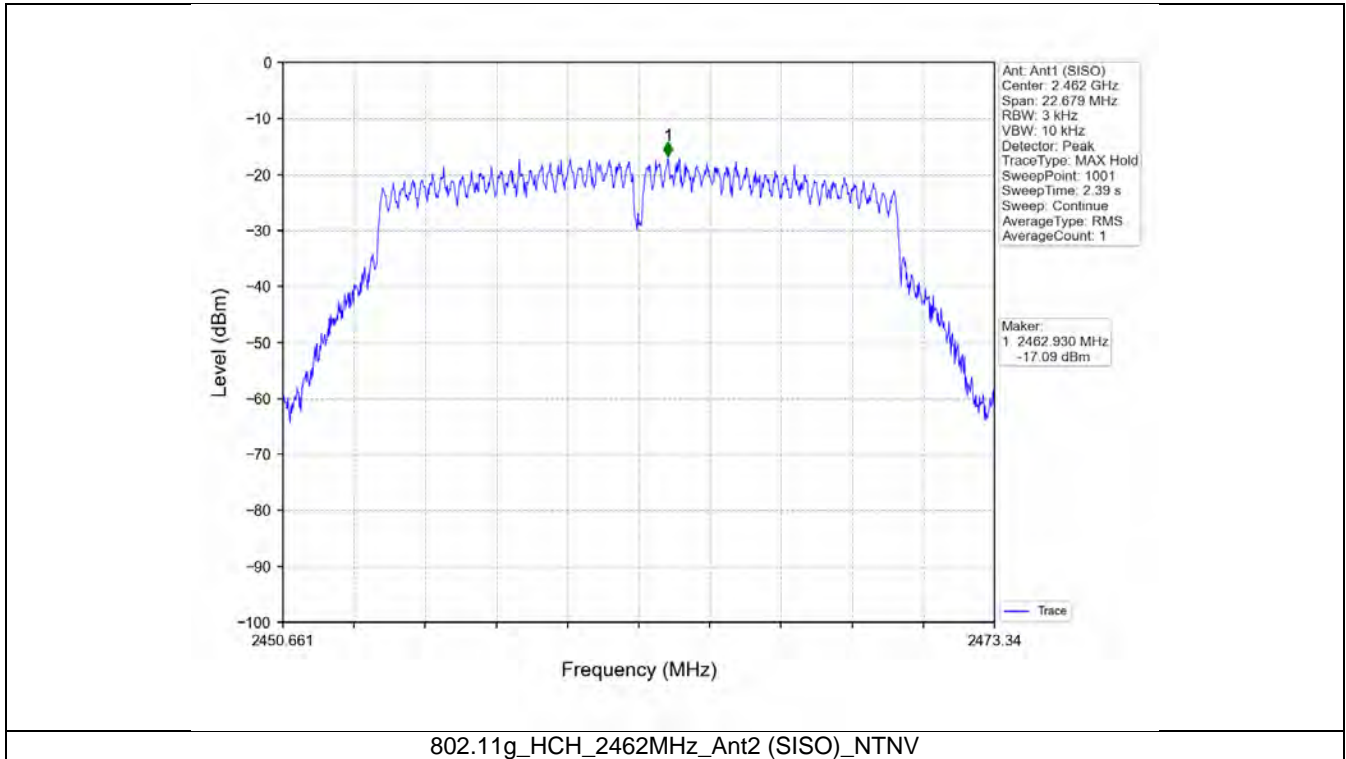


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



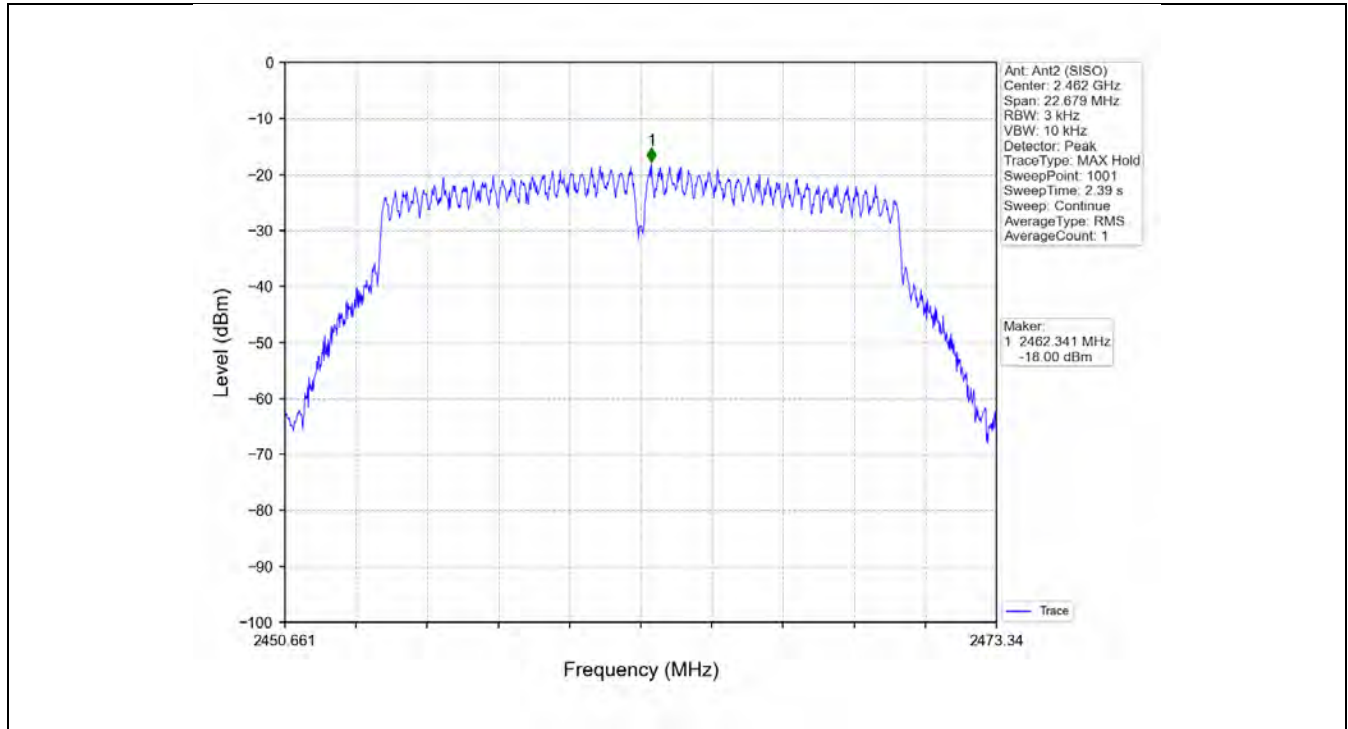
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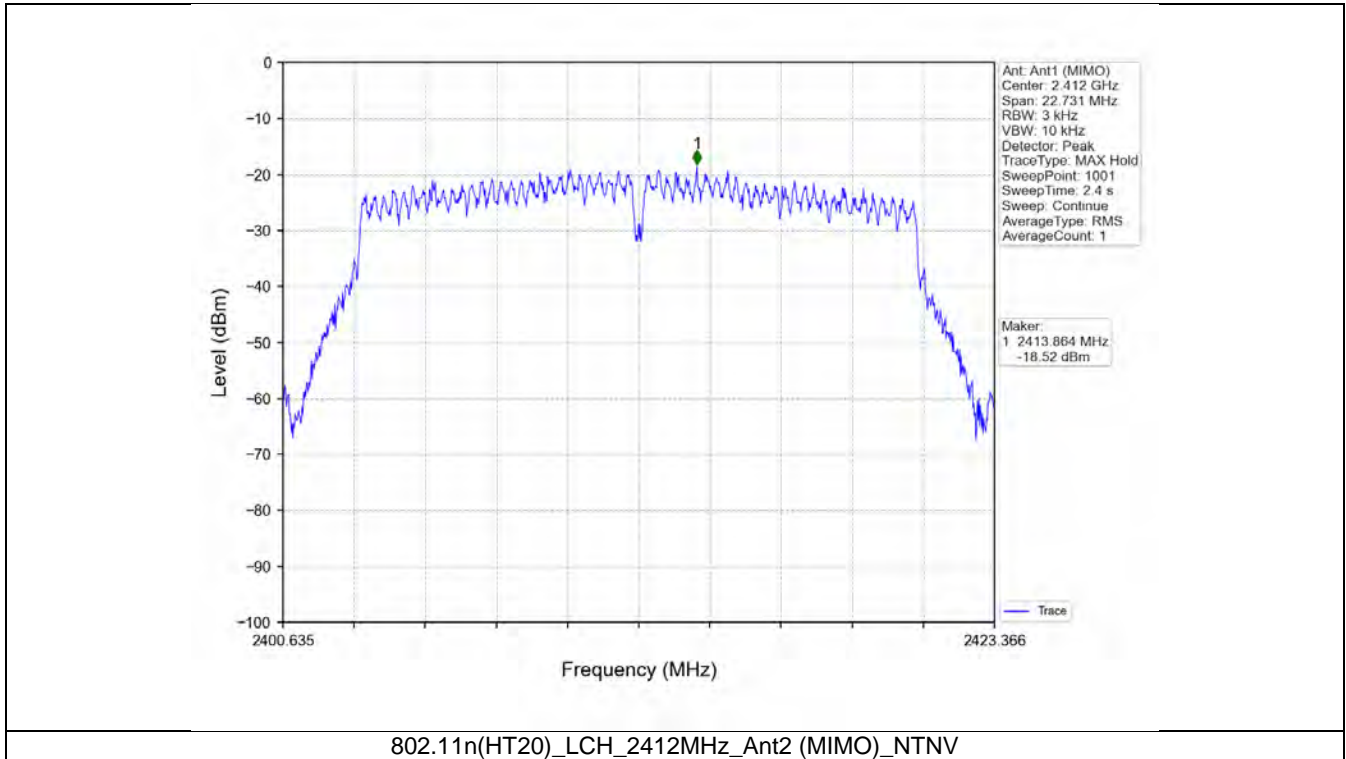


802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



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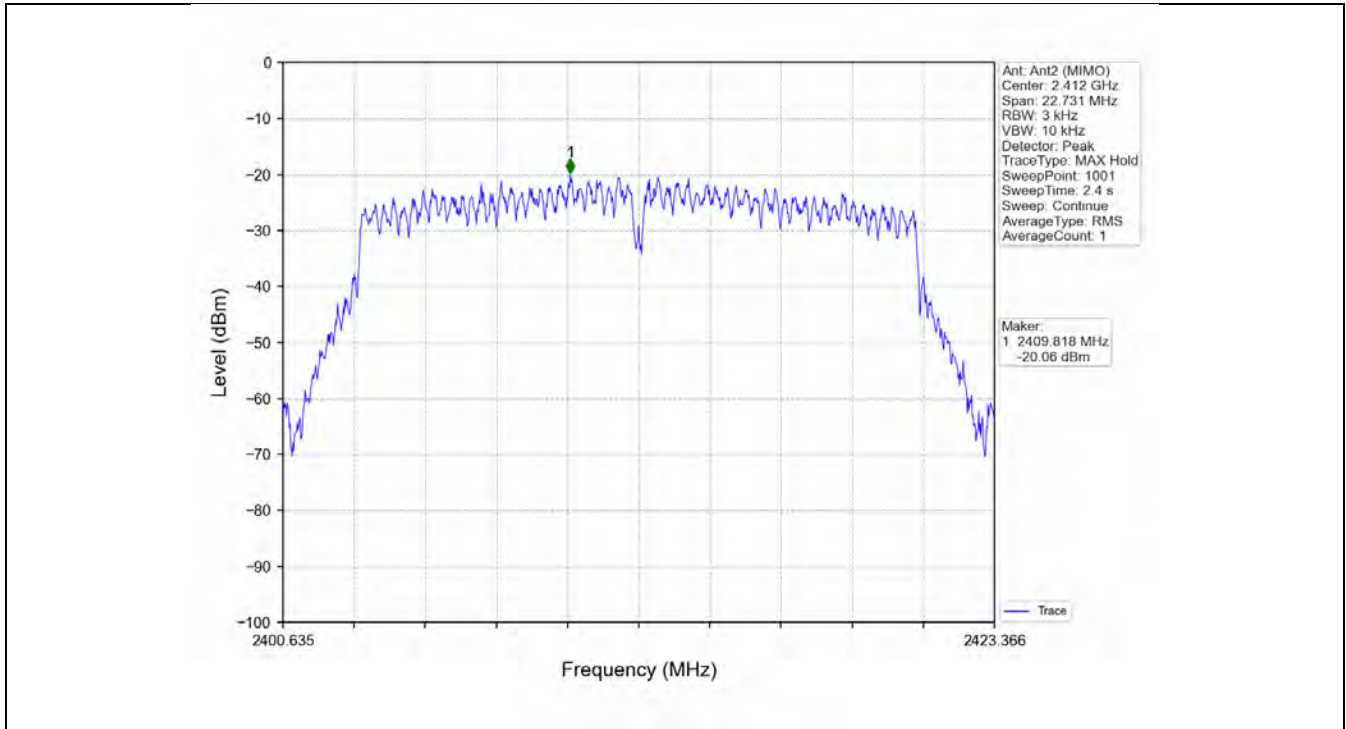
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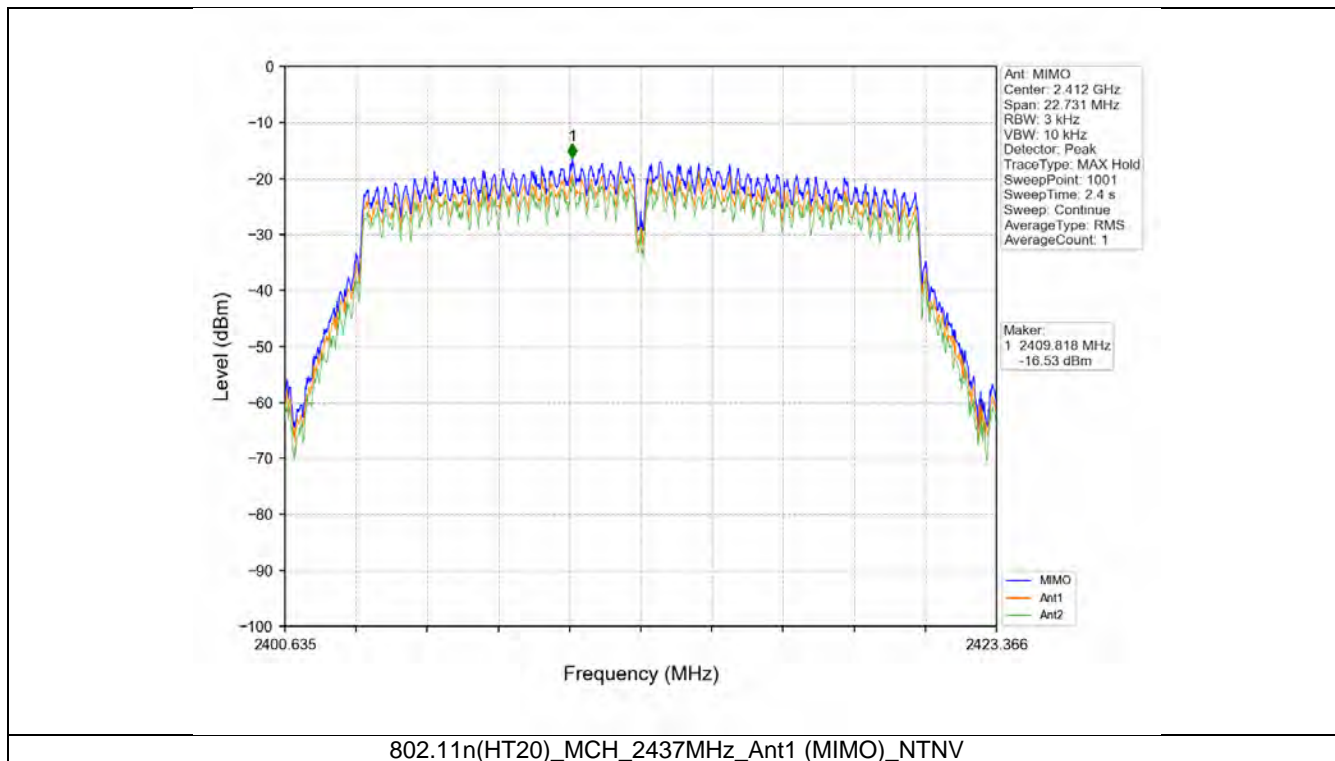


802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



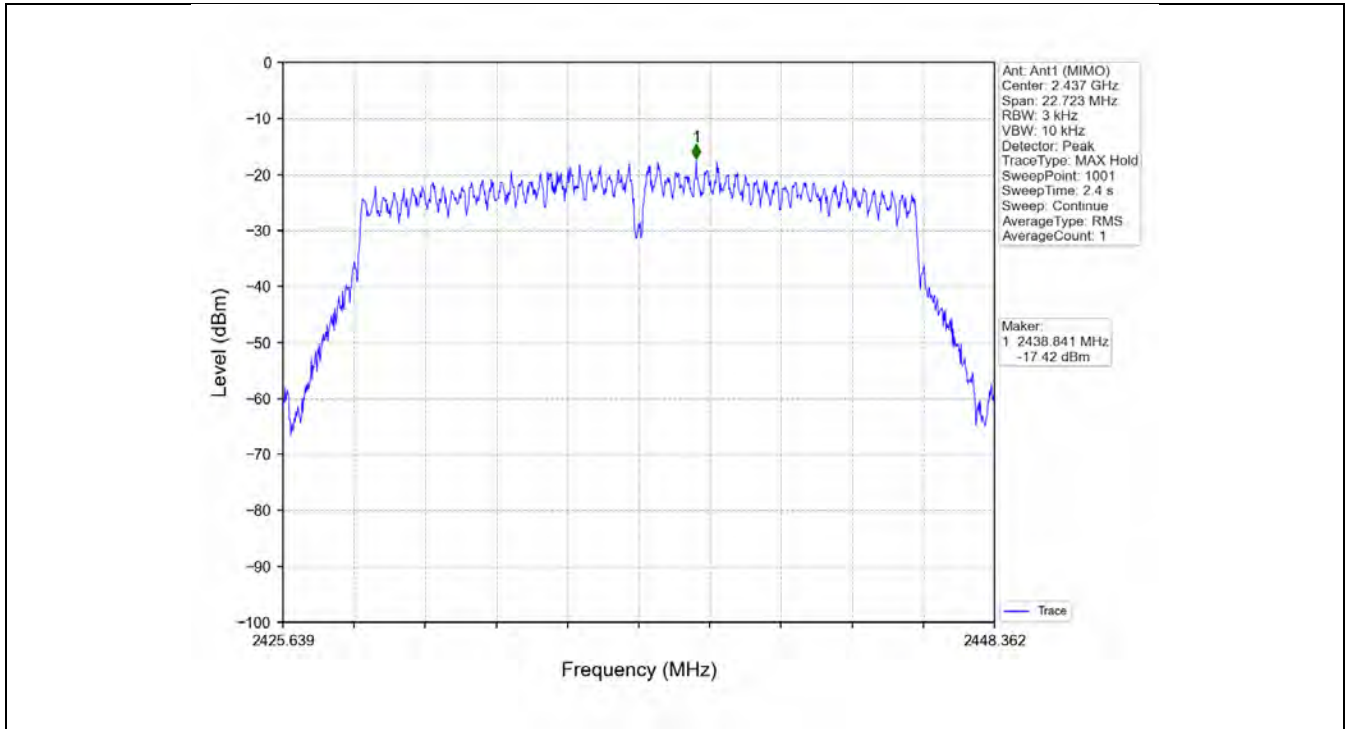
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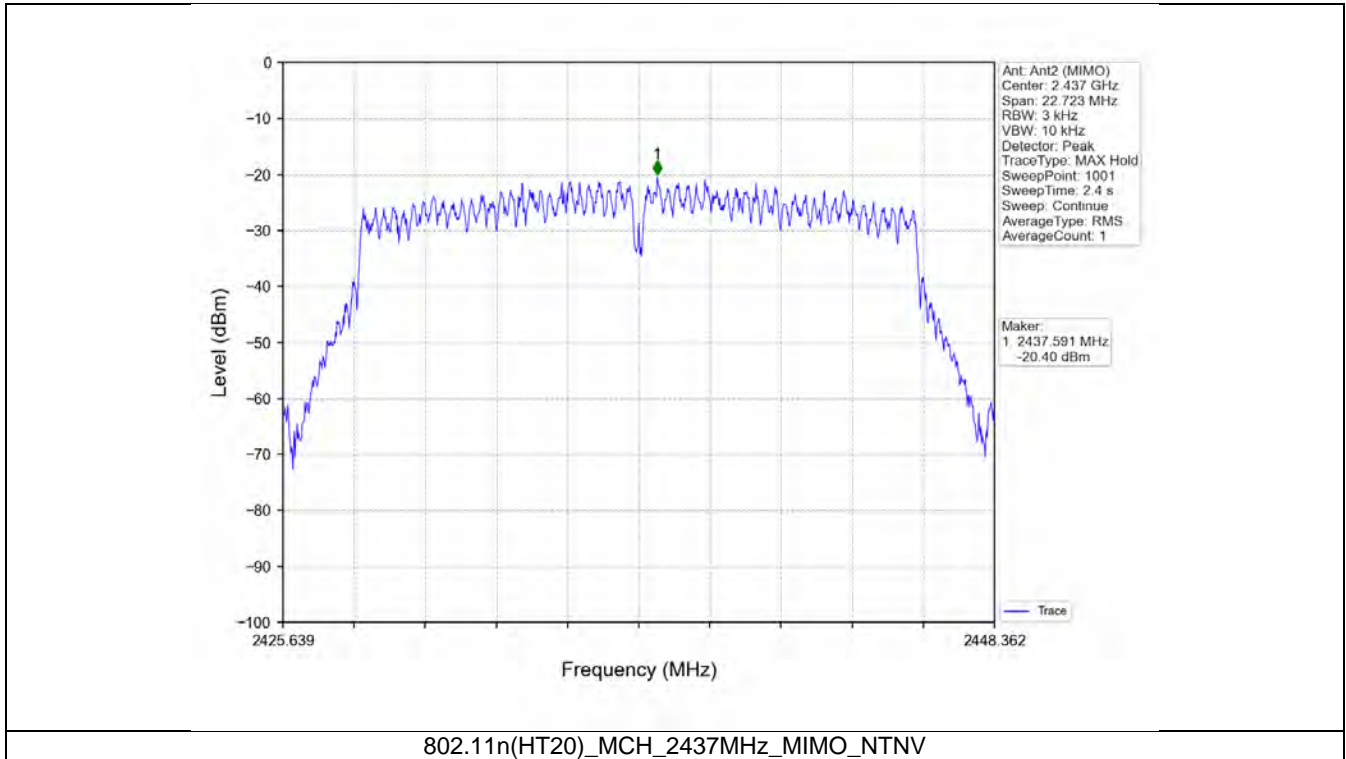


802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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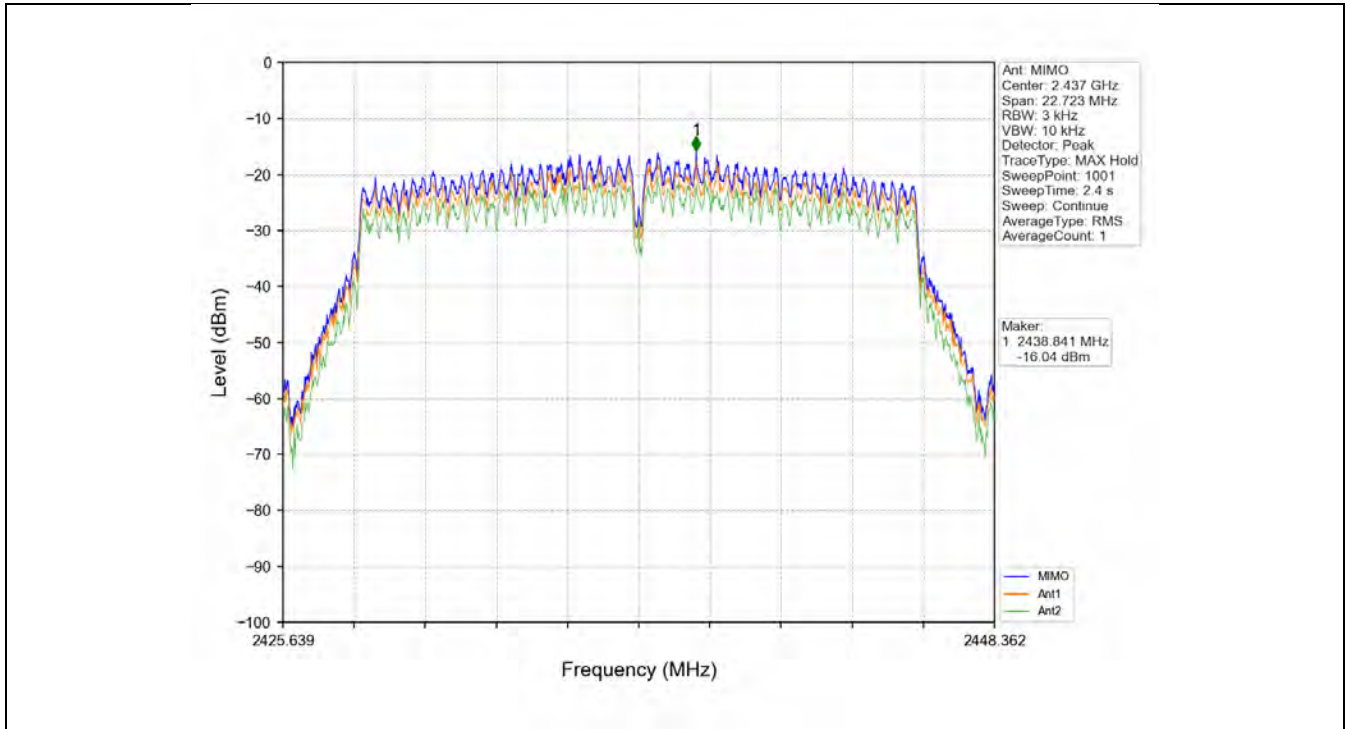


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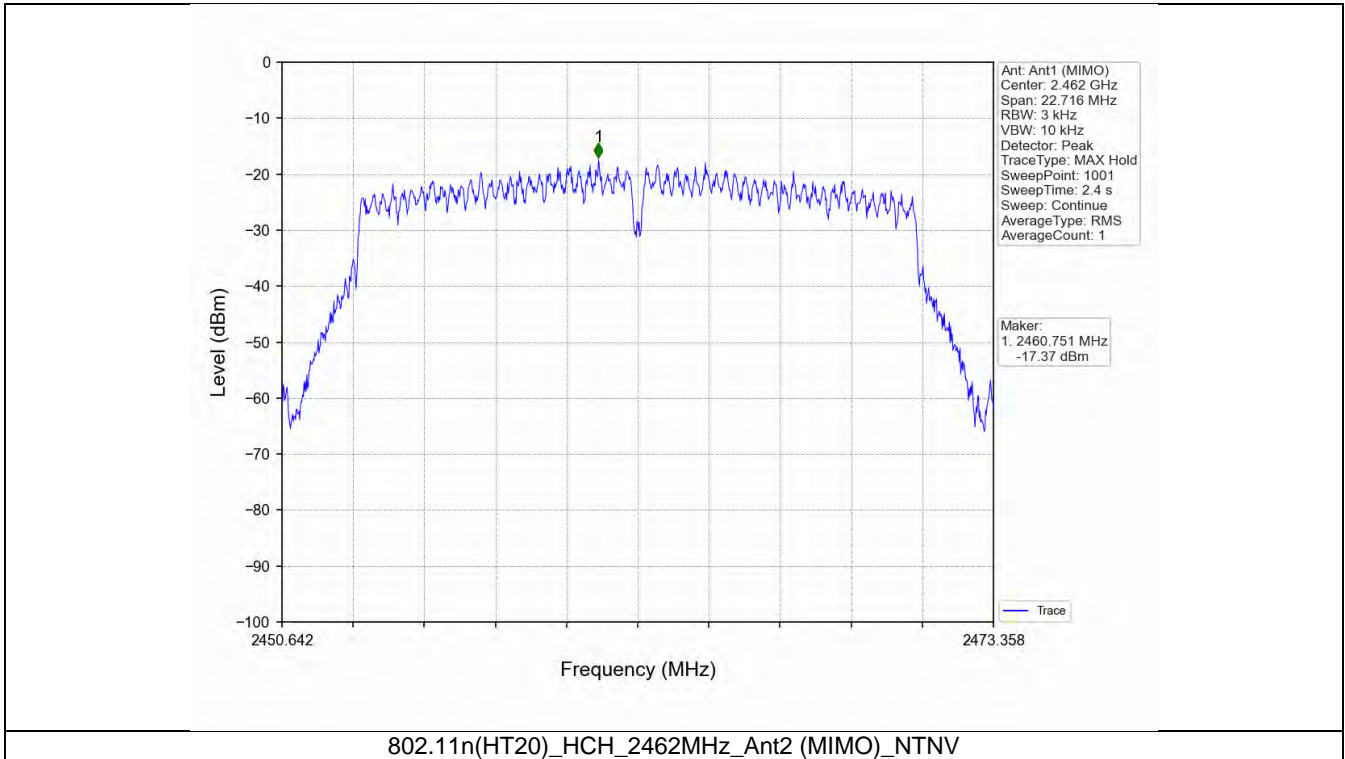


802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



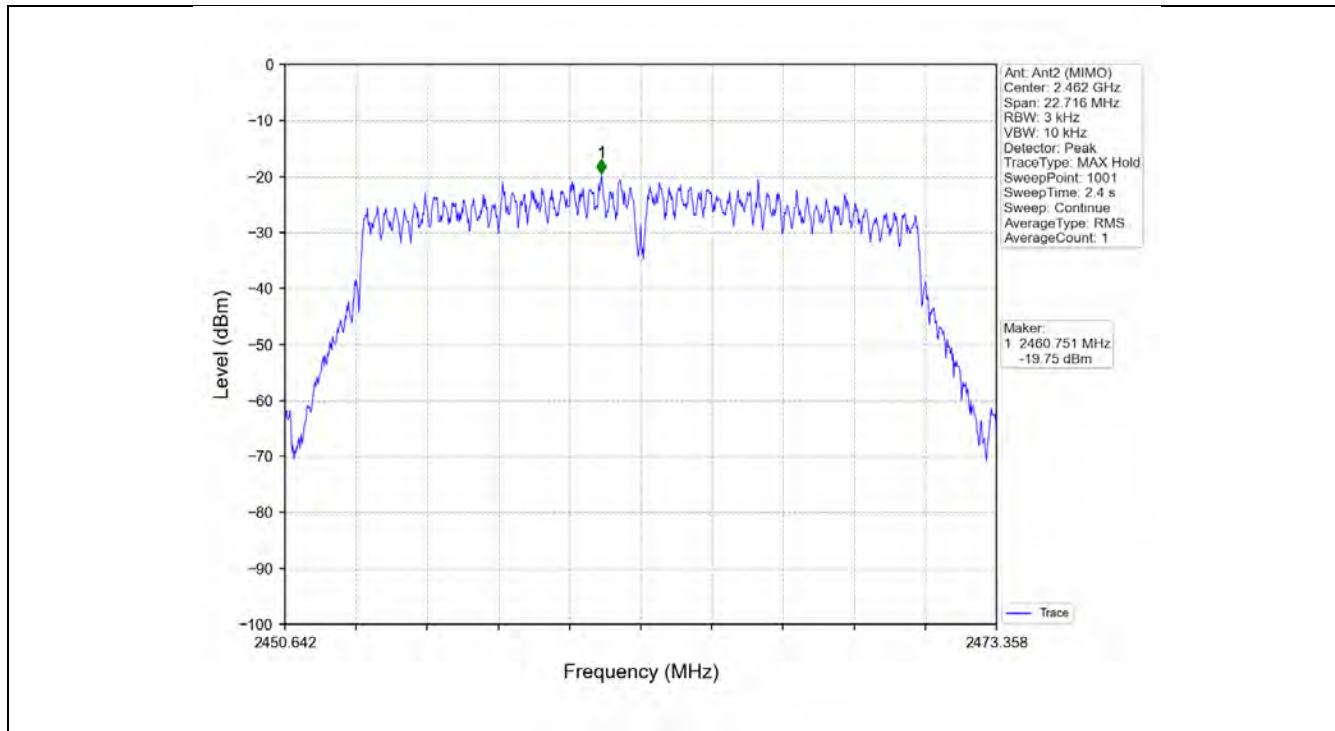
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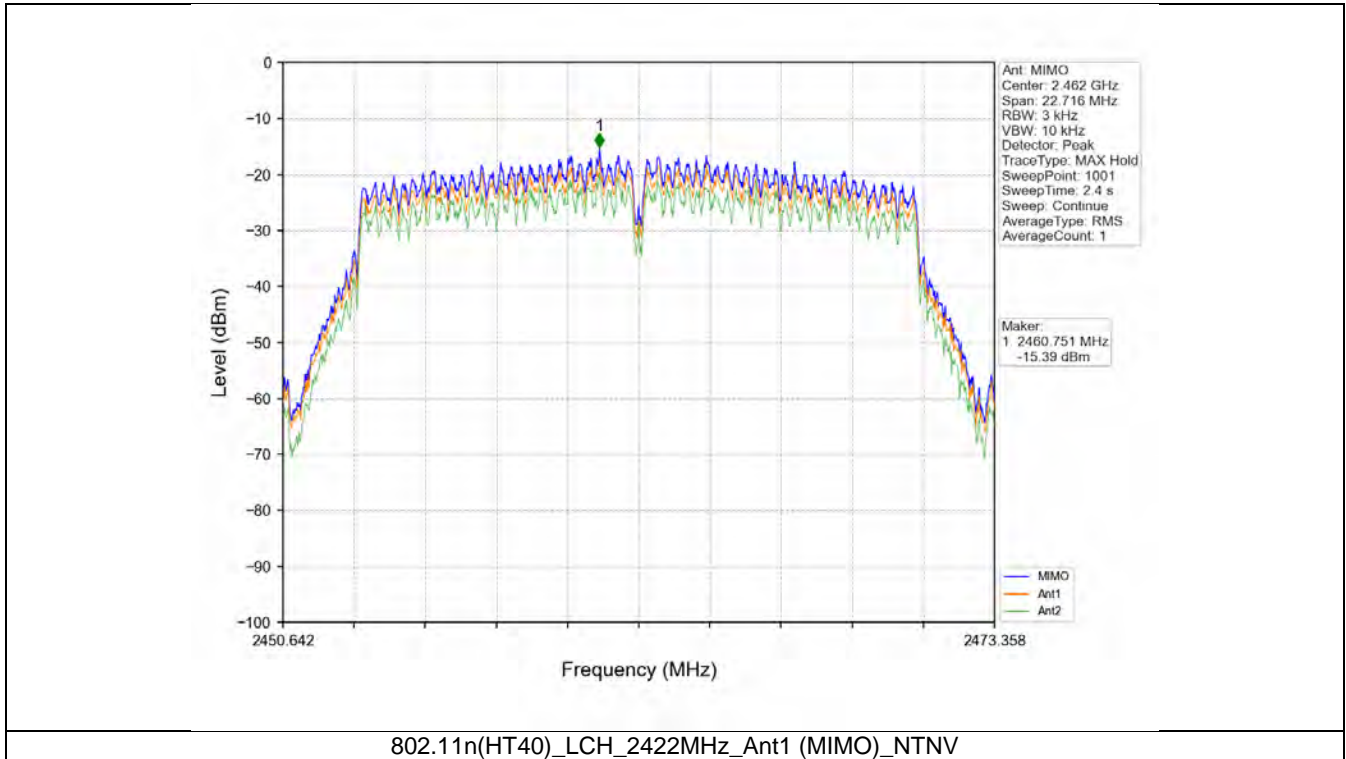


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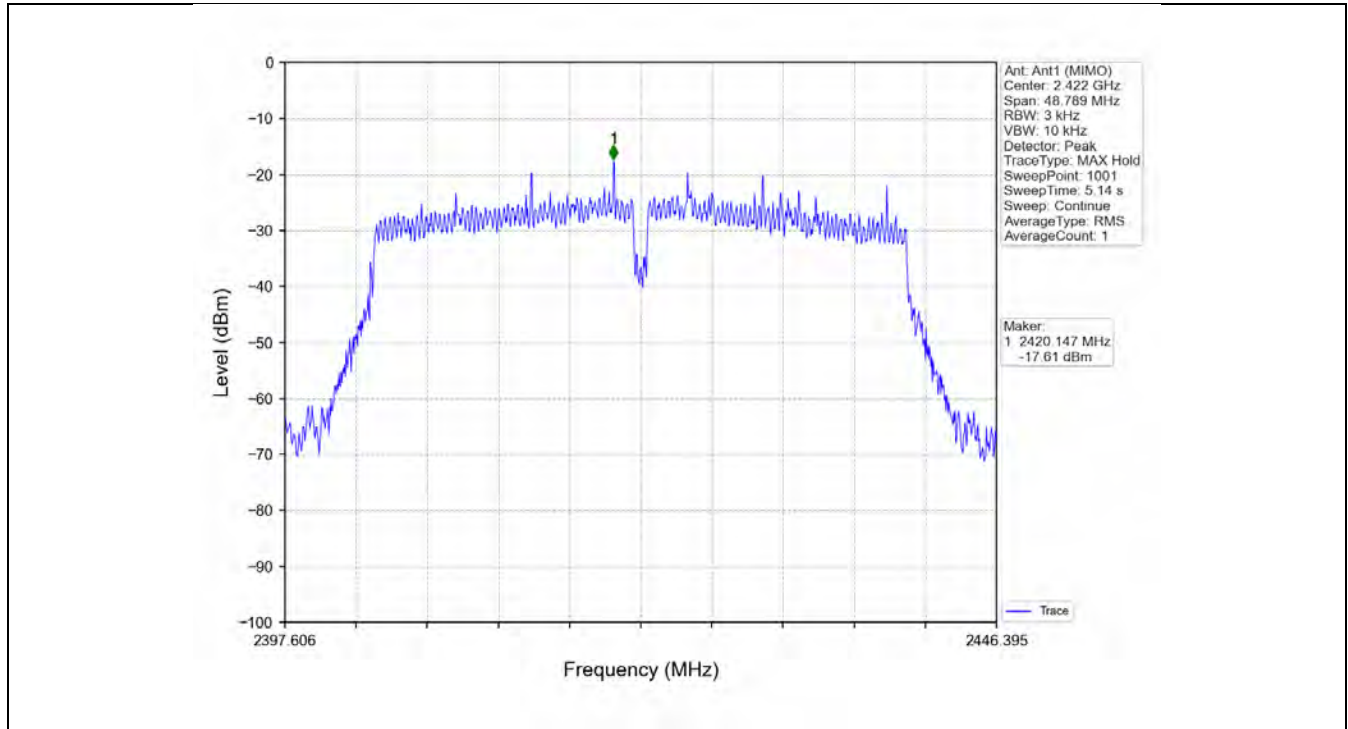
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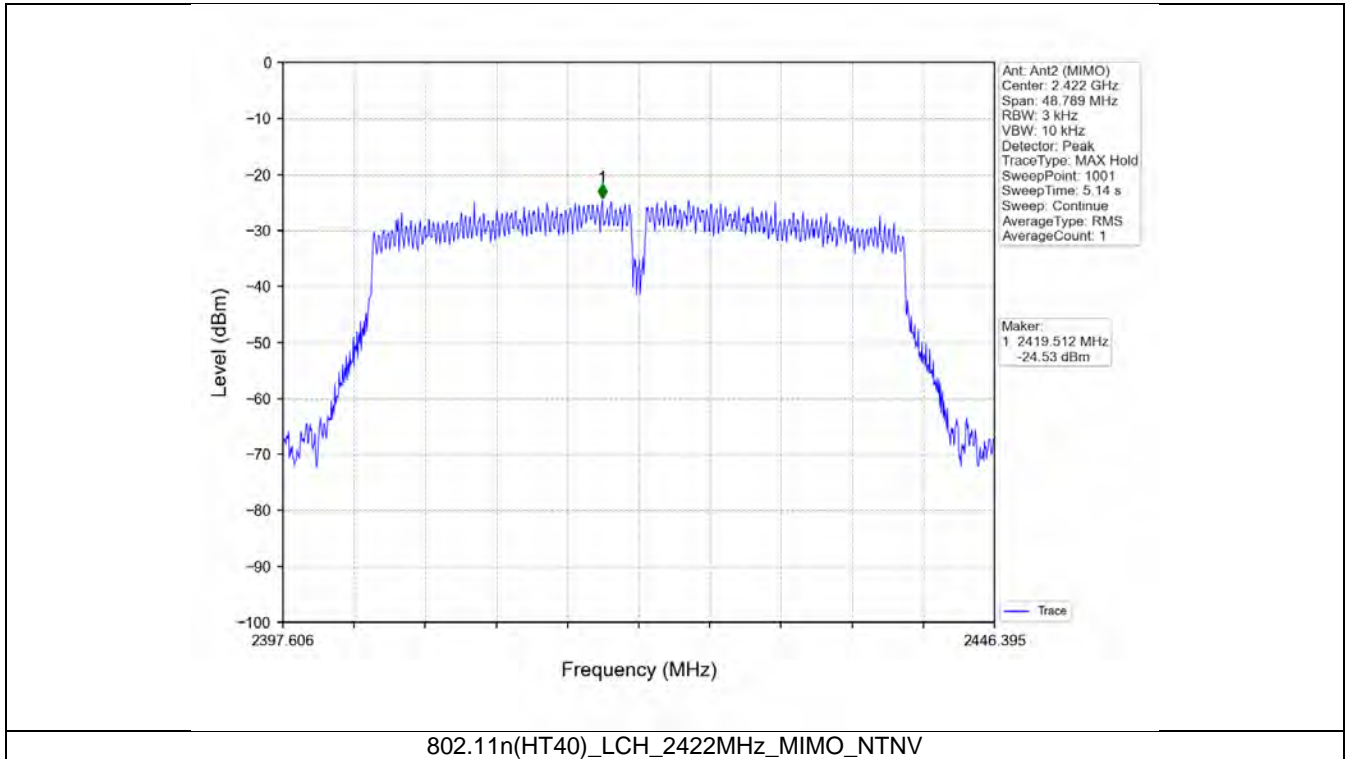


802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



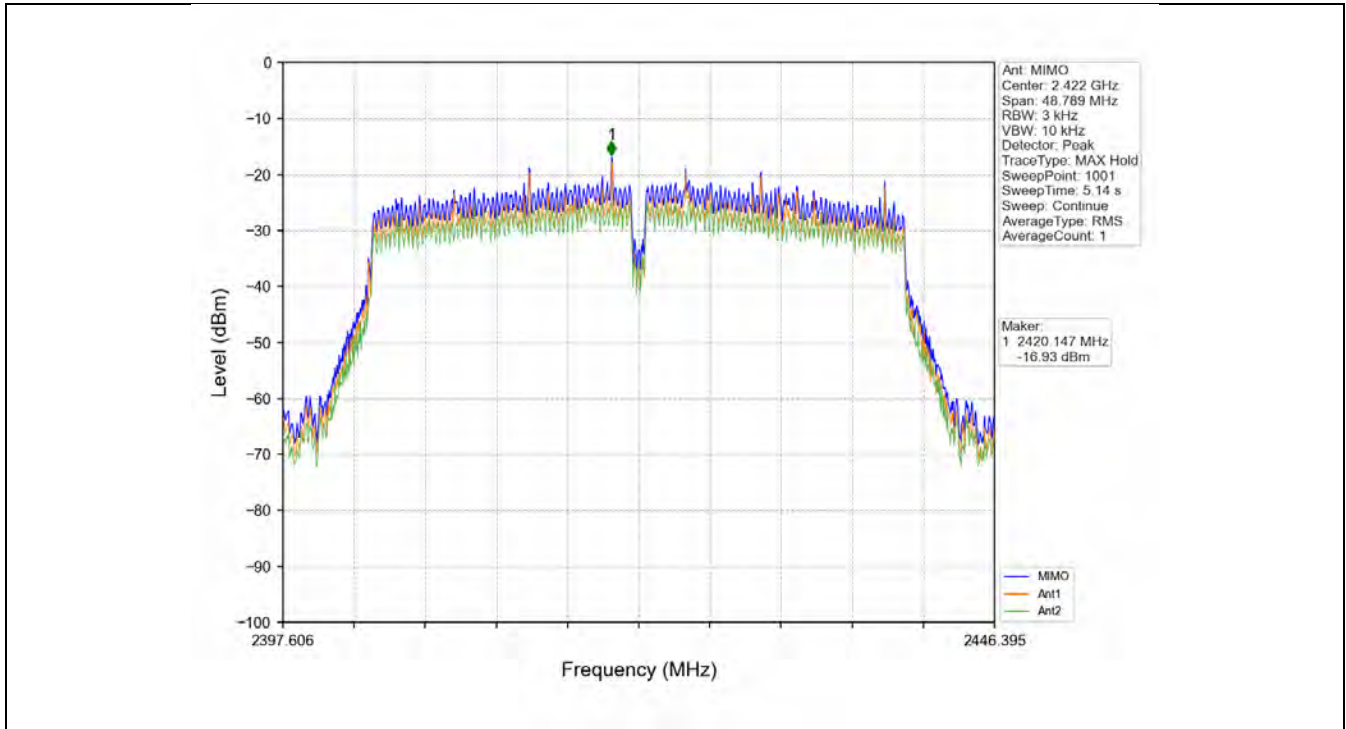
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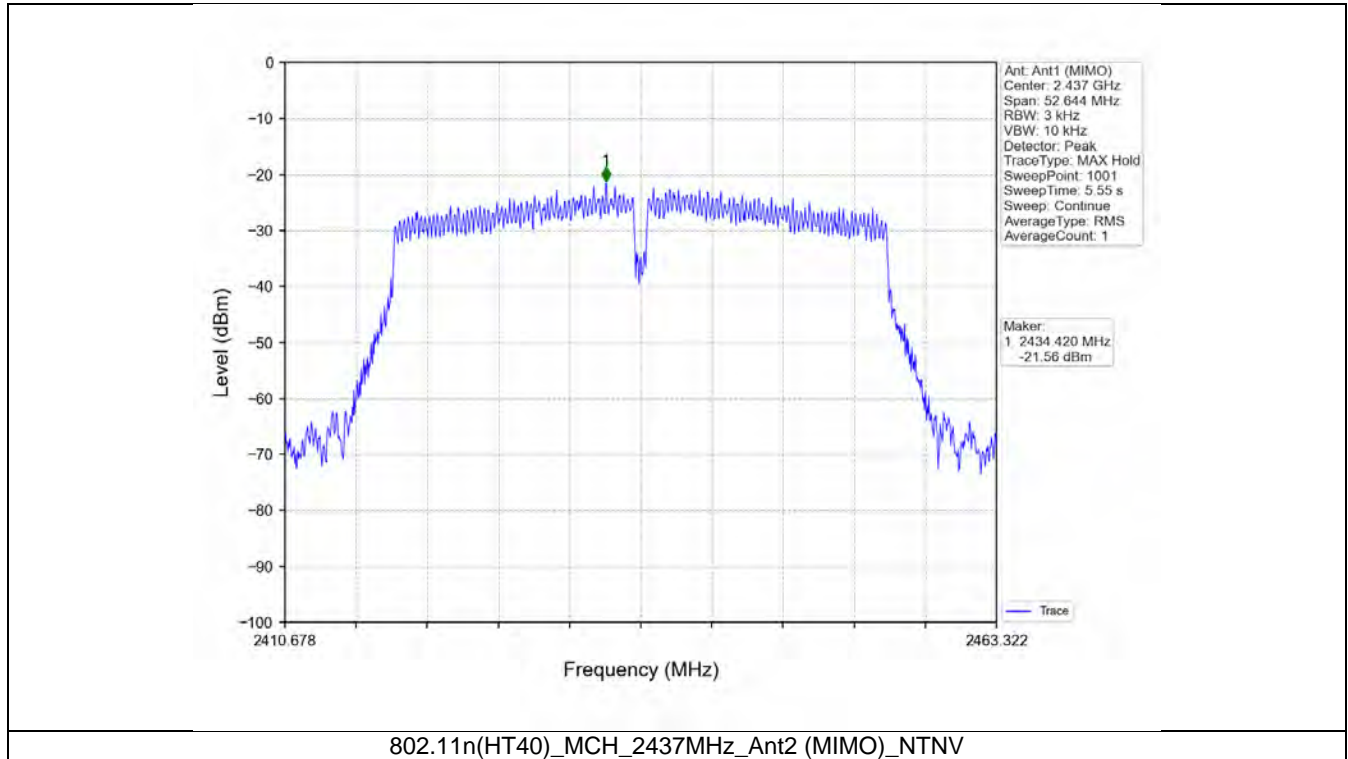


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



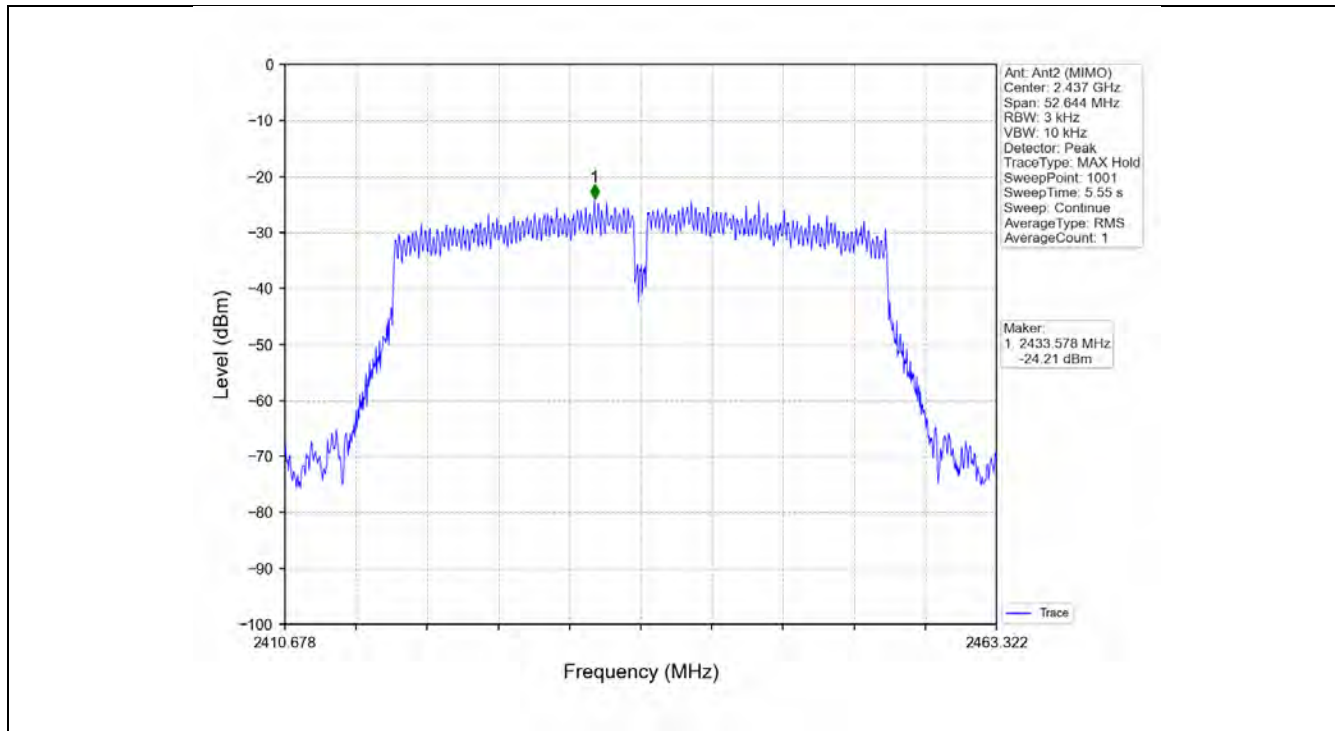
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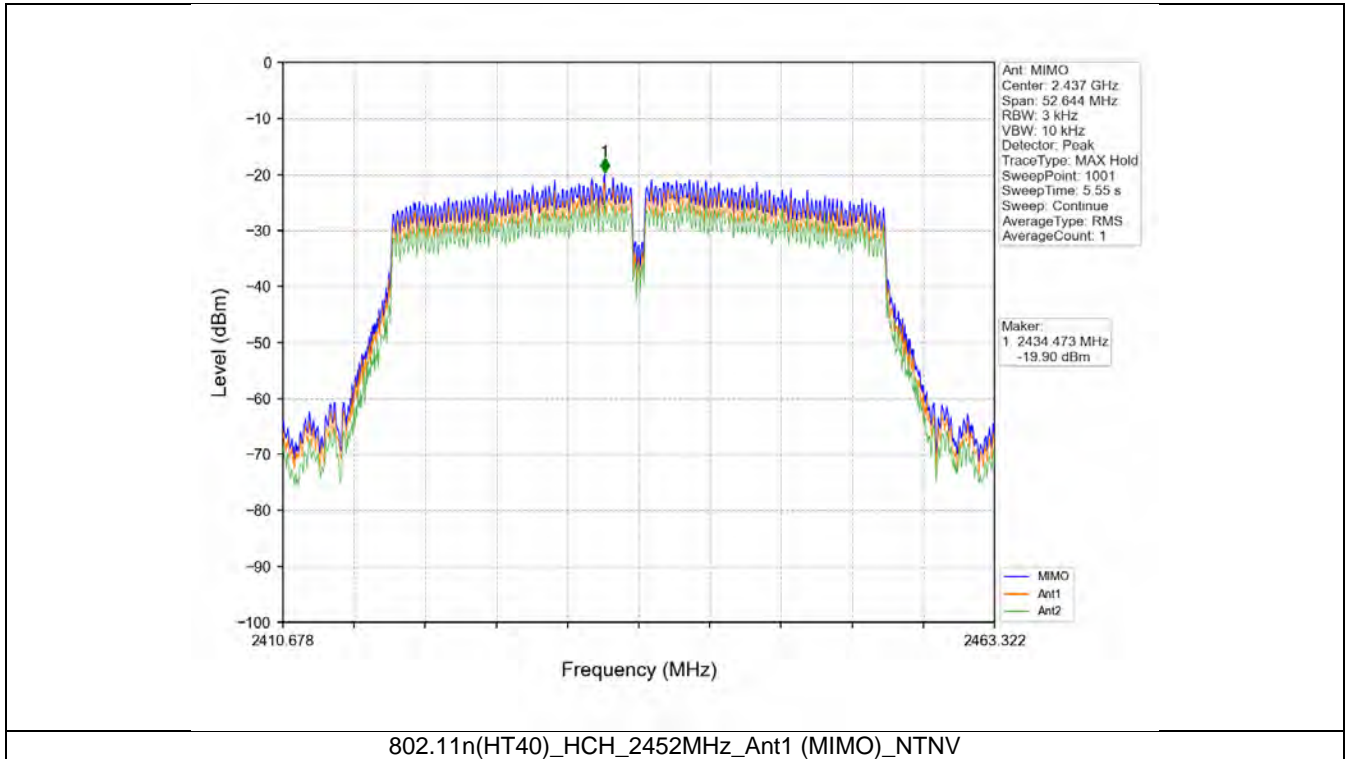


802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



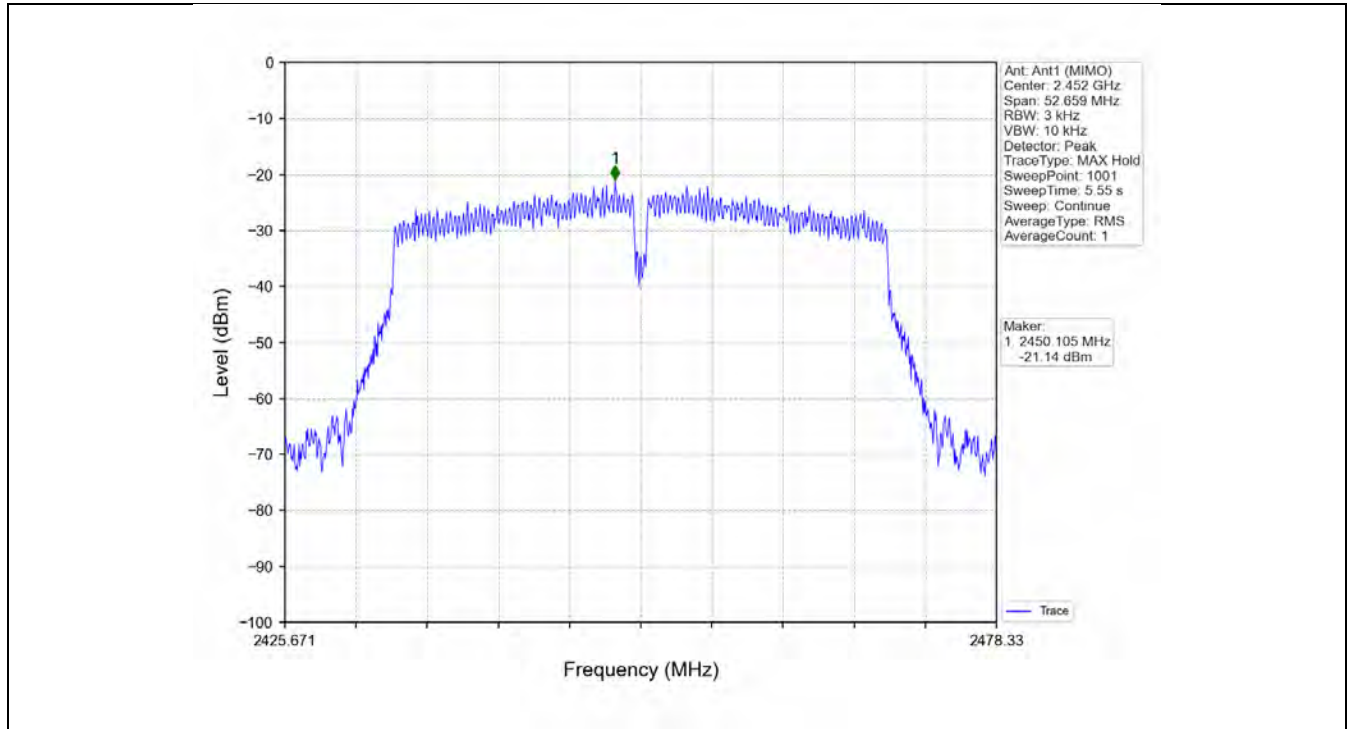
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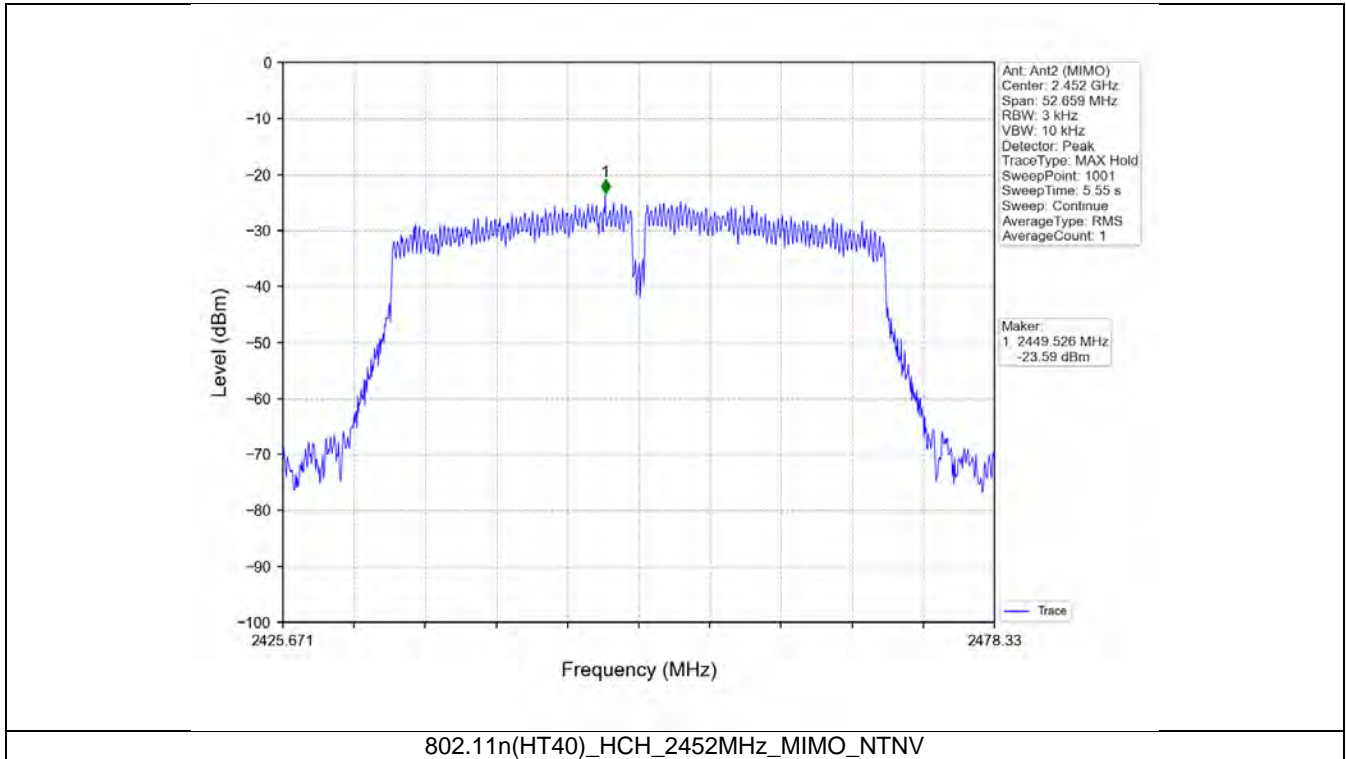


802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



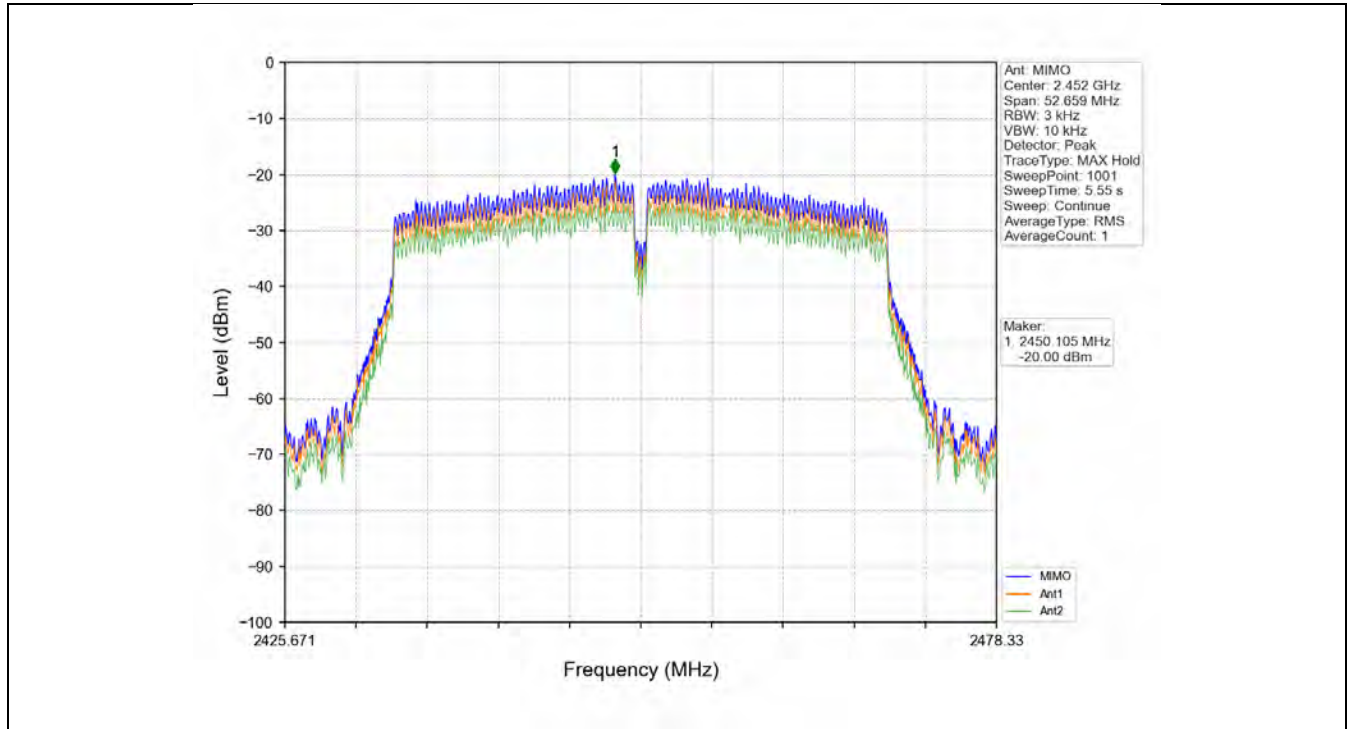
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	5.65	/	/
					2	5.10	/	/
		2437	/	/	1	5.80	/	/
					2	4.42	/	/
		2462	/	/	1	6.21	/	/
					2	4.46	/	/
802.11g	SISO	2412	/	/	1	-0.34	/	/
					2	-1.17	/	/
		2437	/	/	1	-0.62	/	/
					2	-1.45	/	/
		2462	/	/	1	0.14	/	/
					2	-1.59	/	/
802.11n	MIMO	2412	/	/	1	-2.15	/	/



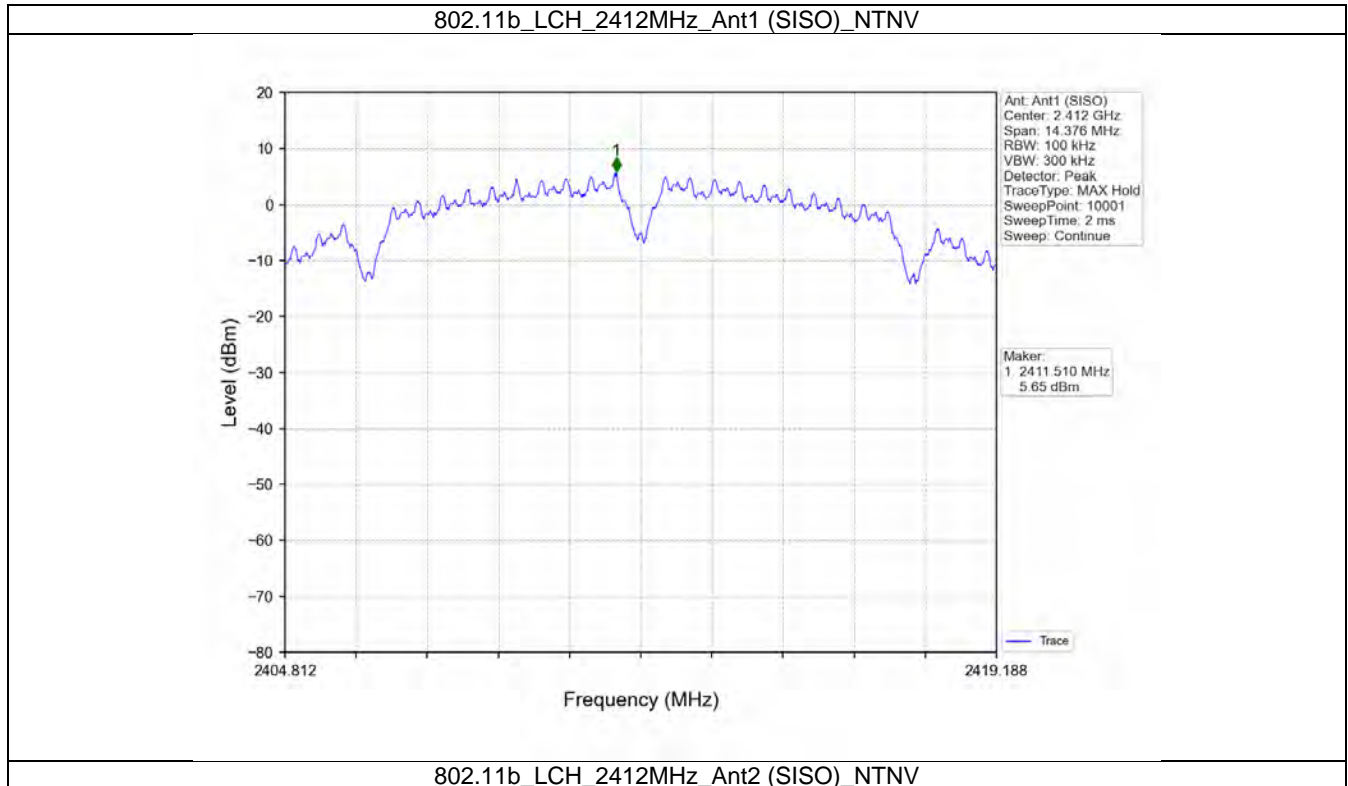
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(HT20)		2437	/	/	2	-3.75	/	/
					1	-1.56	/	/
					2	-4.11	/	/
					1	-1.52	/	/
802.11n (HT40)	MIMO	2462	/	/	2	-4.16	/	/
					1	-2.68	/	/
					2	-7.58	/	/
					1	-6.13	/	/
		2437	/	/	1	-8.17	/	/
					2	-8.17	/	/
					1	-5.91	/	/
					2	-8.00	/	/

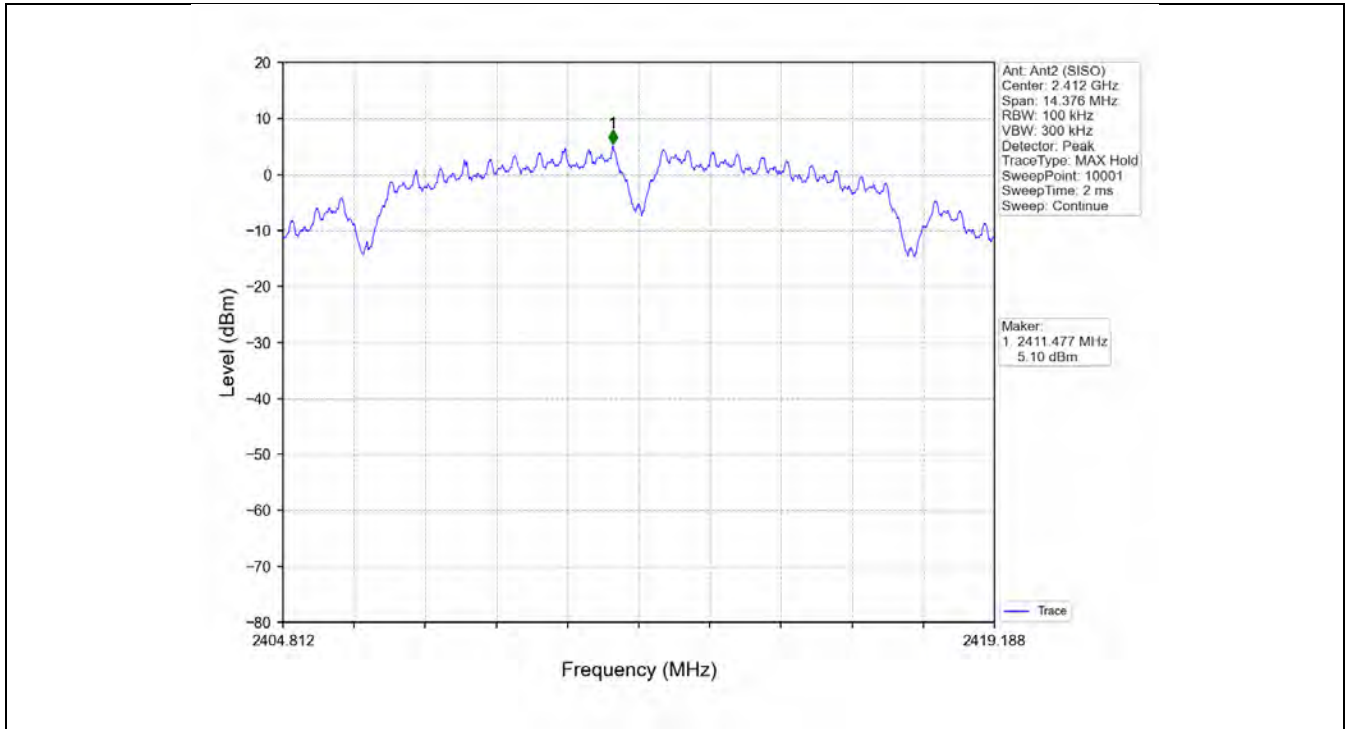
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.1.2 Test Graph



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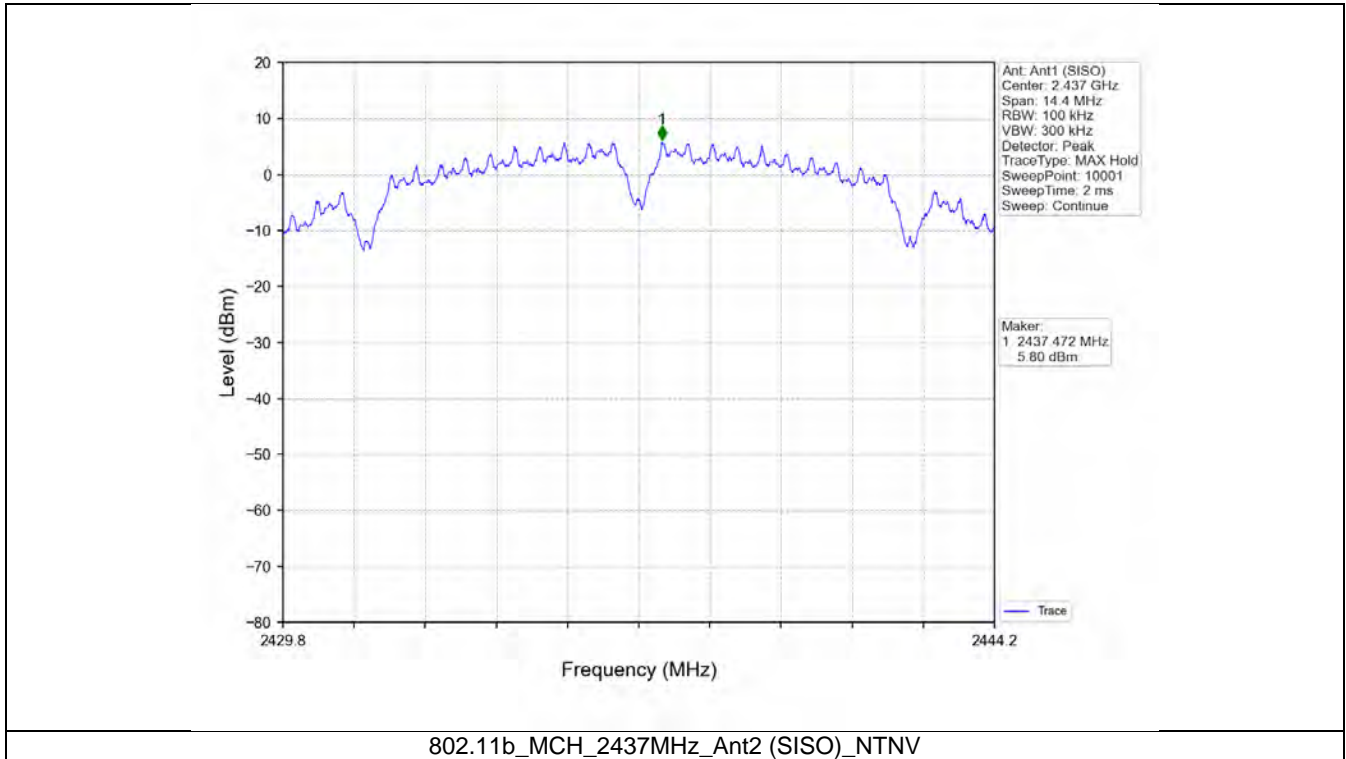


802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



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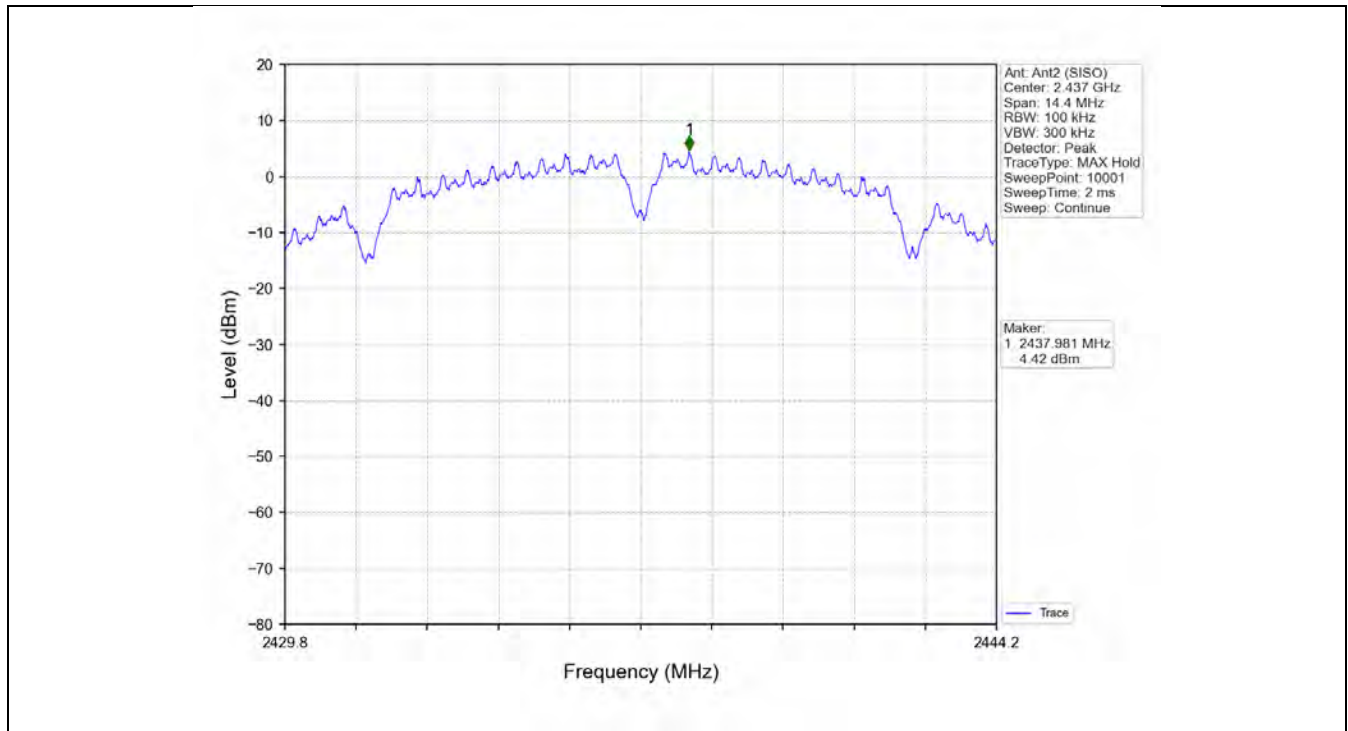


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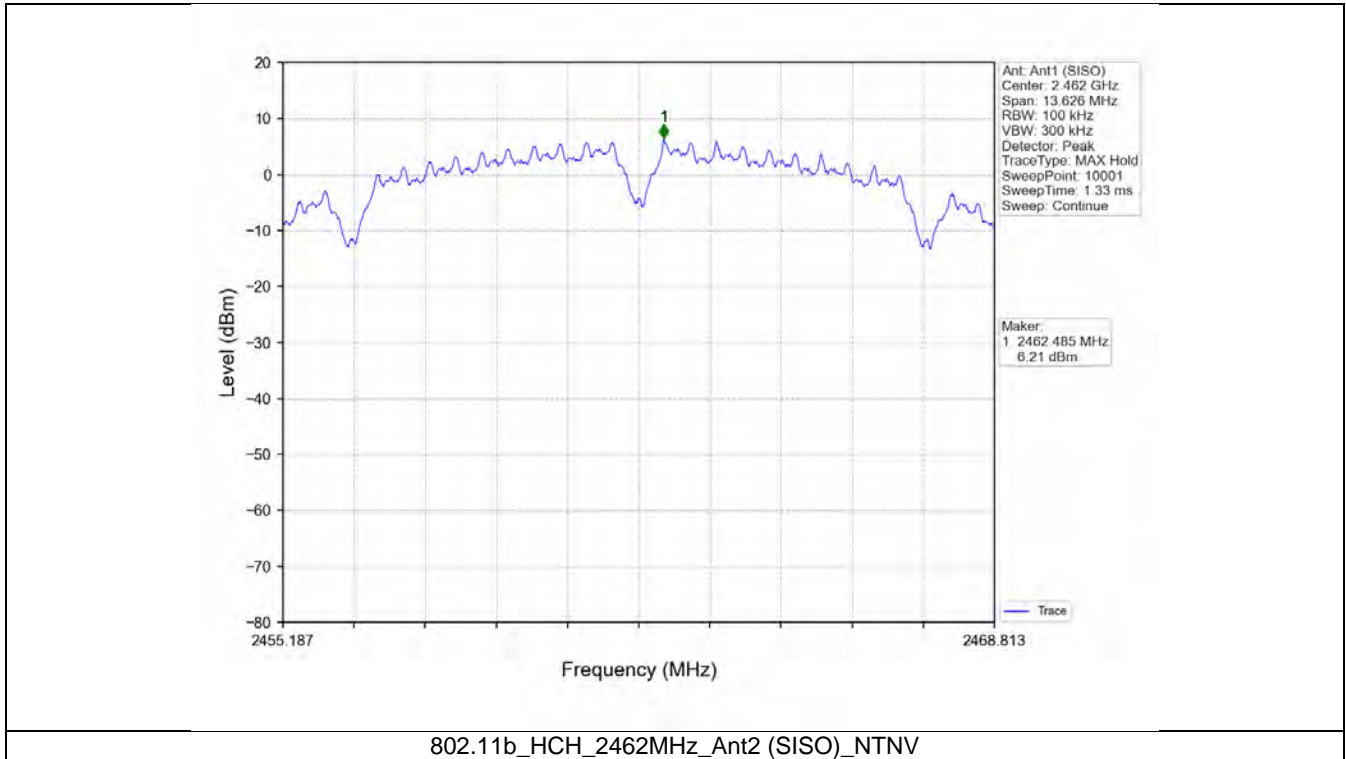


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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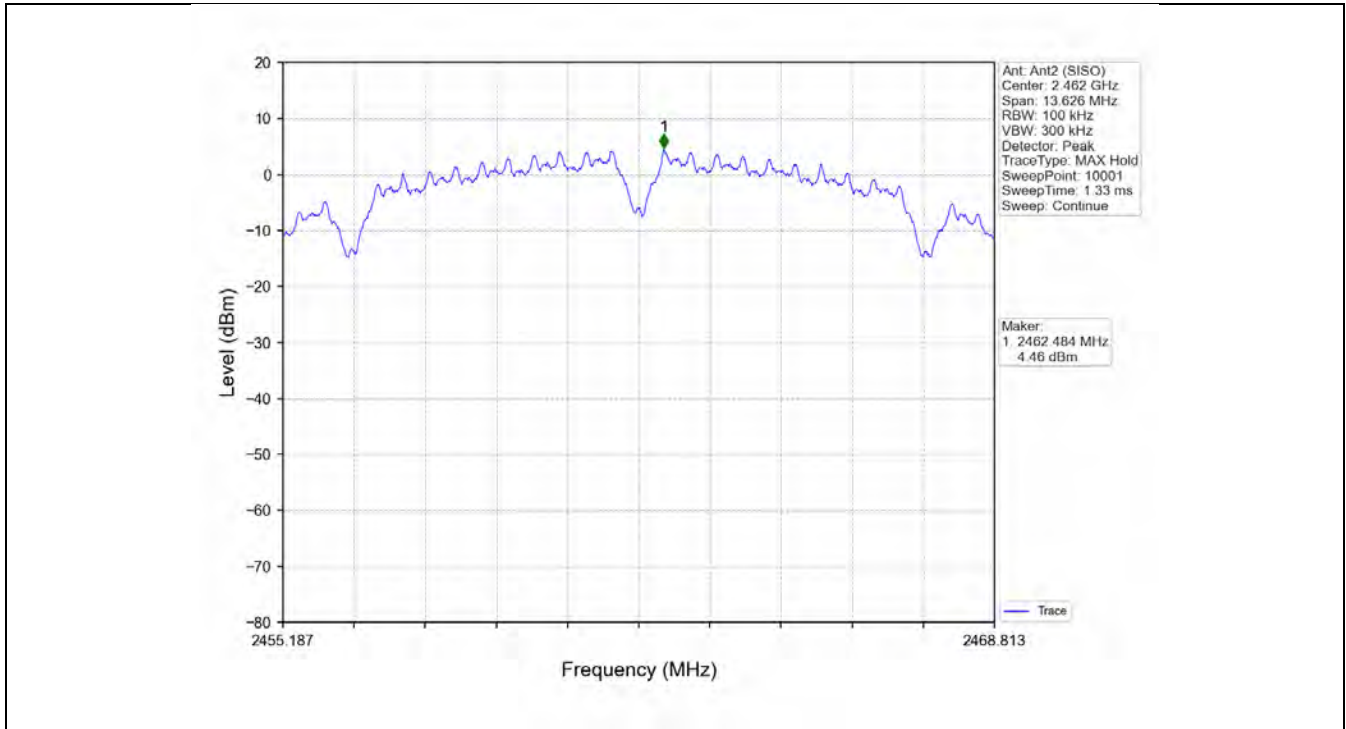
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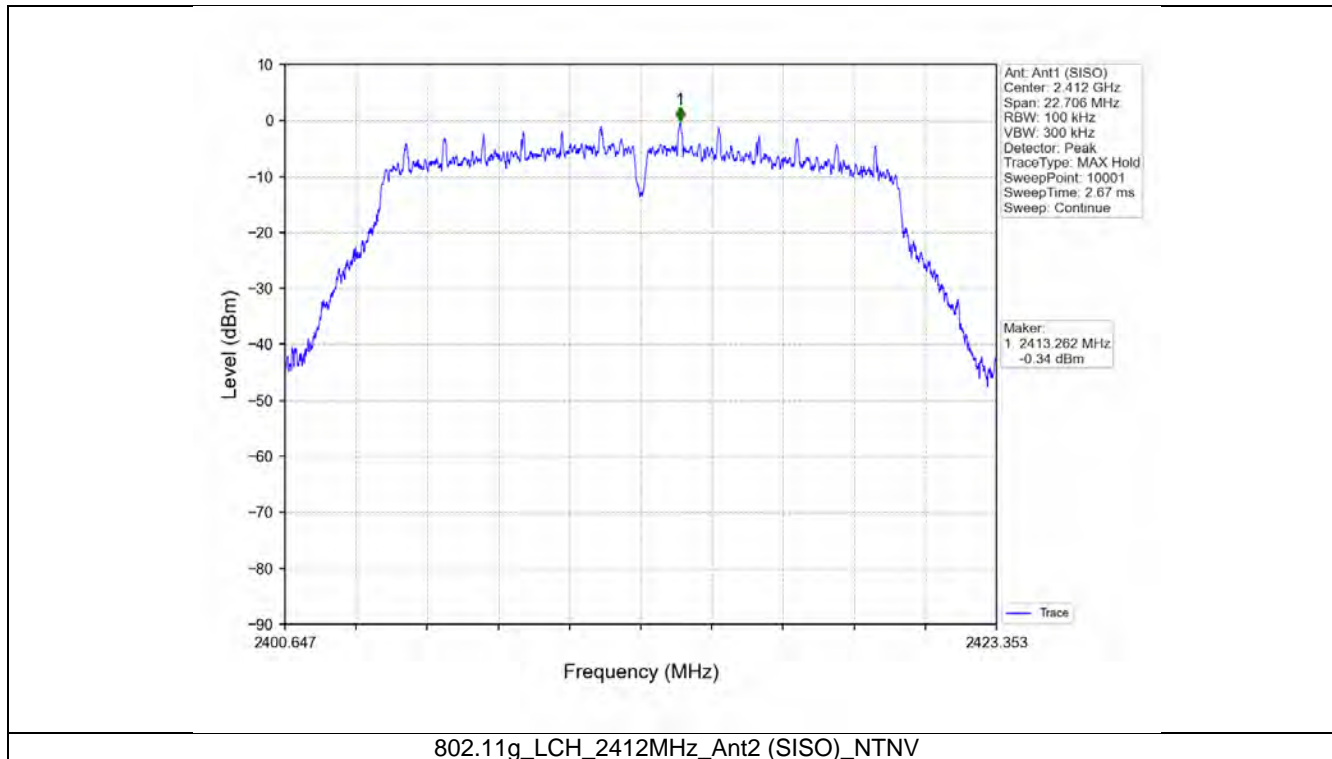


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



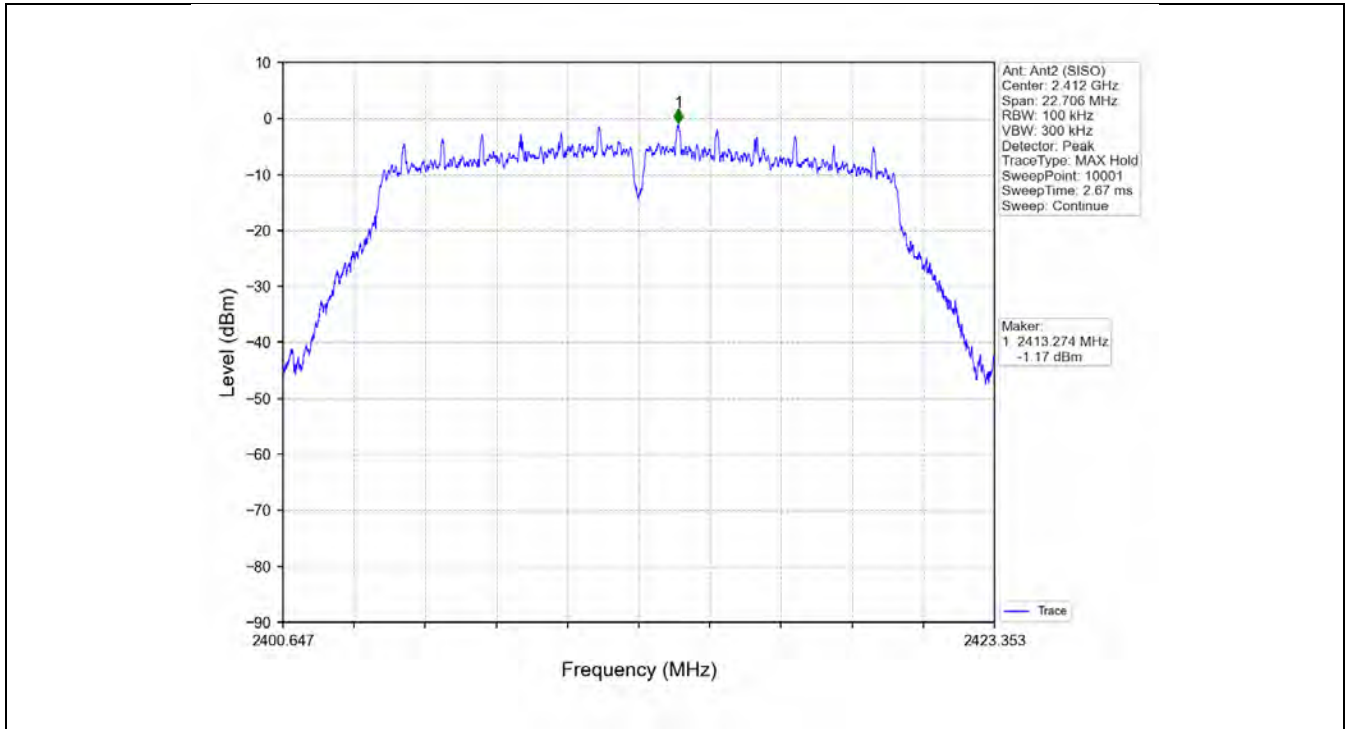
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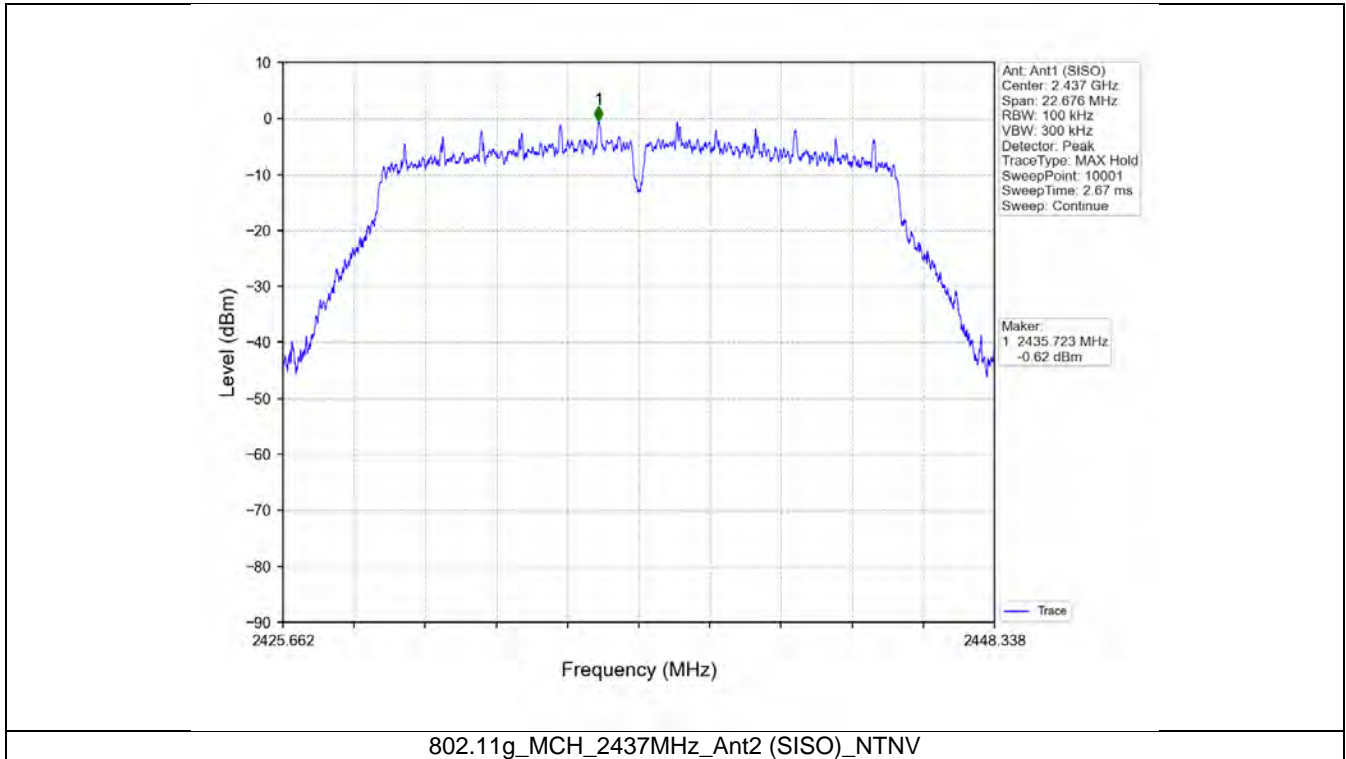


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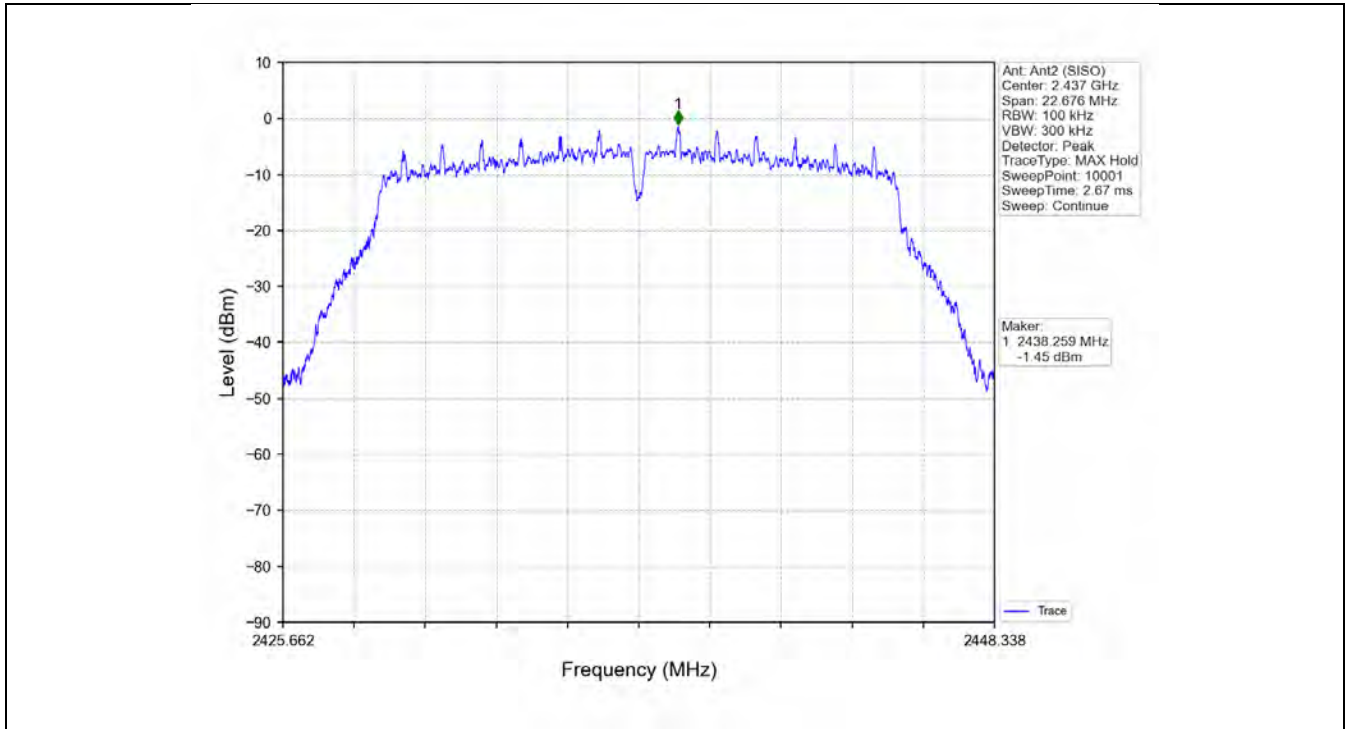
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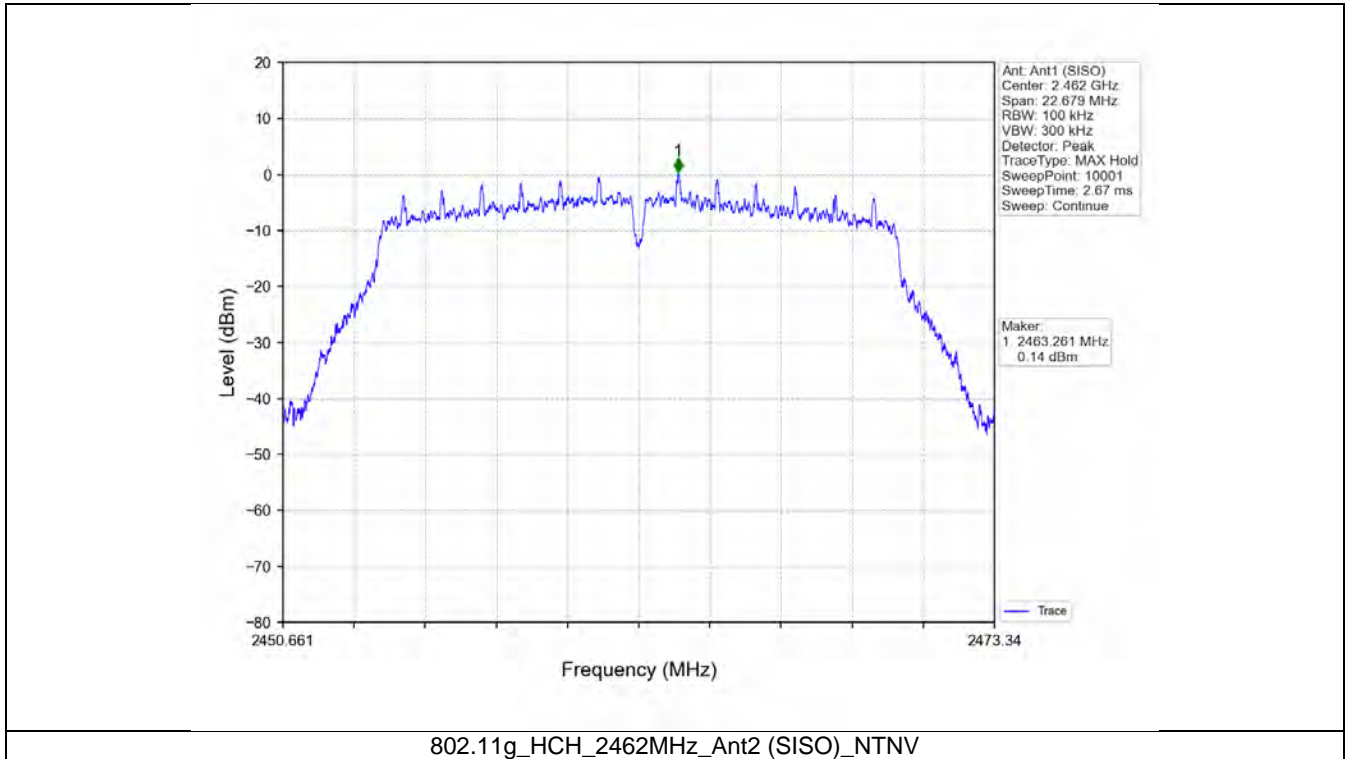


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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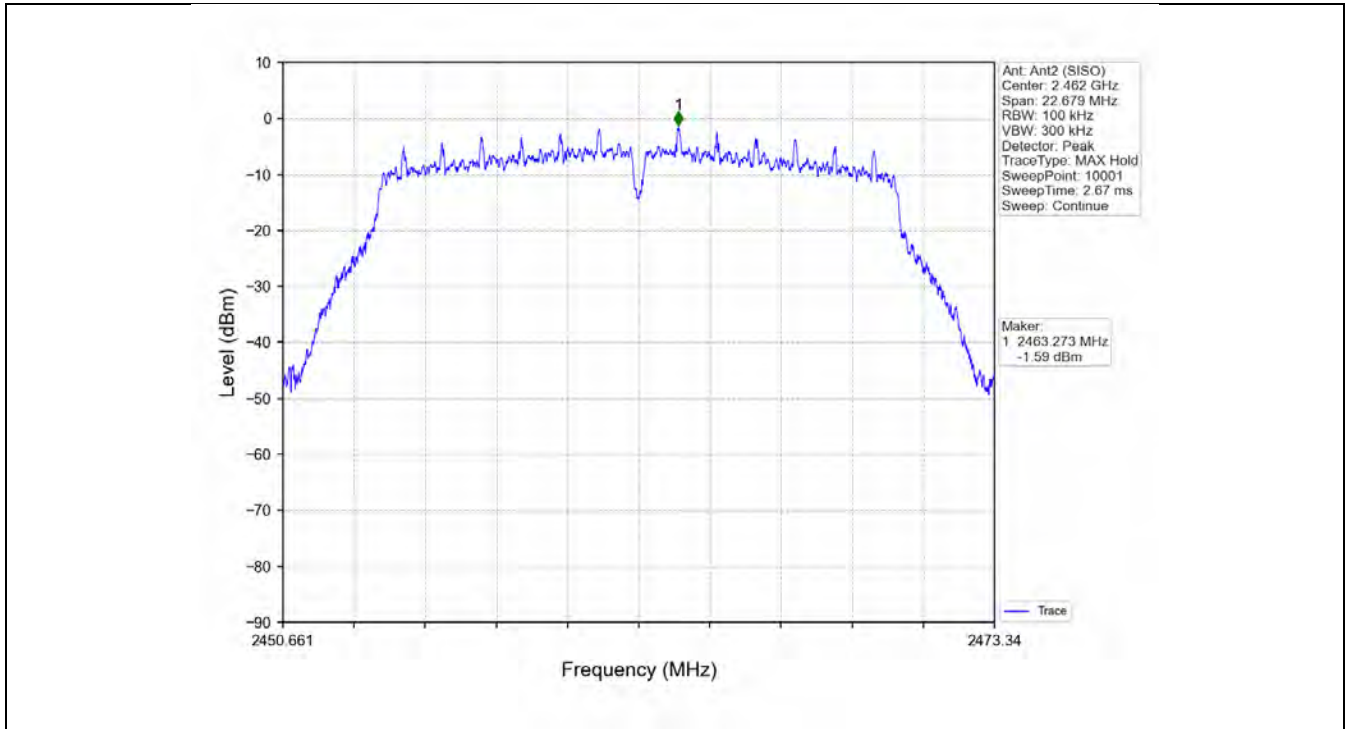
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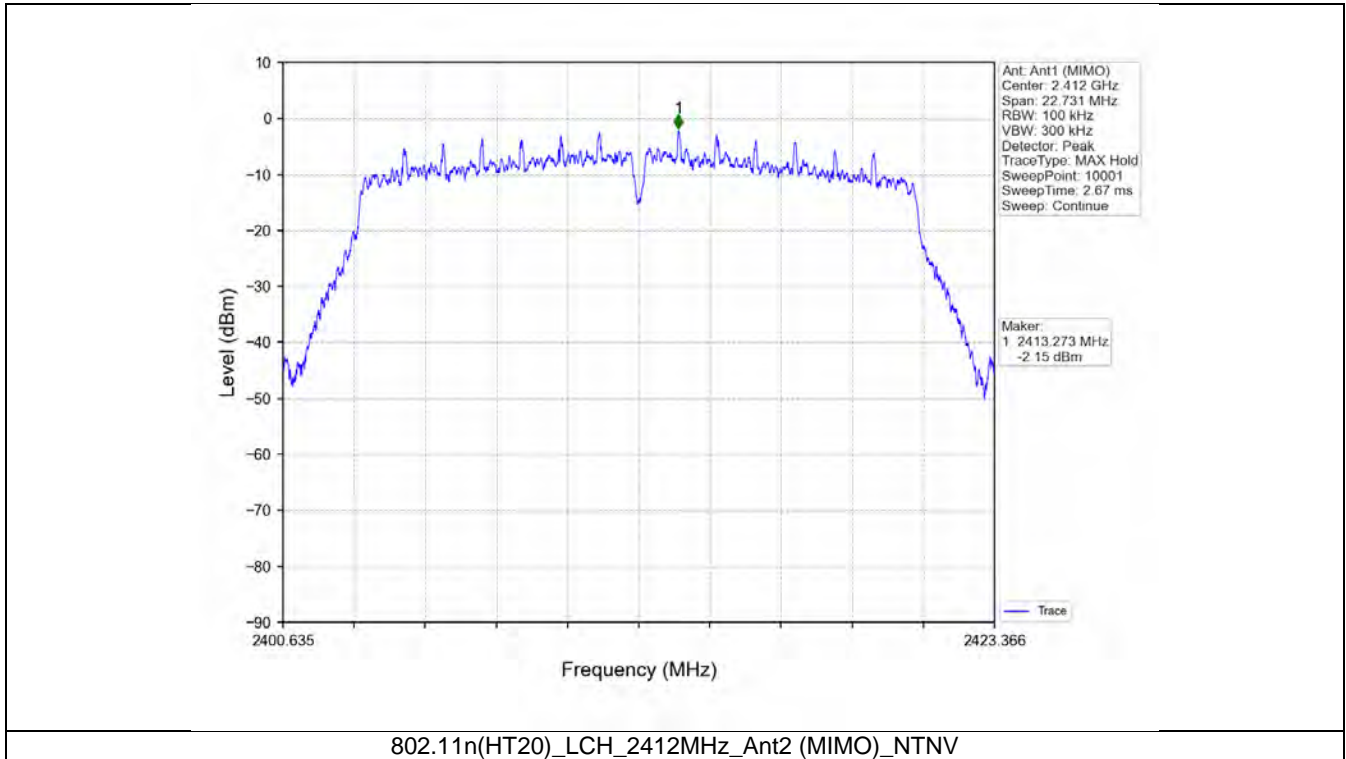


802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



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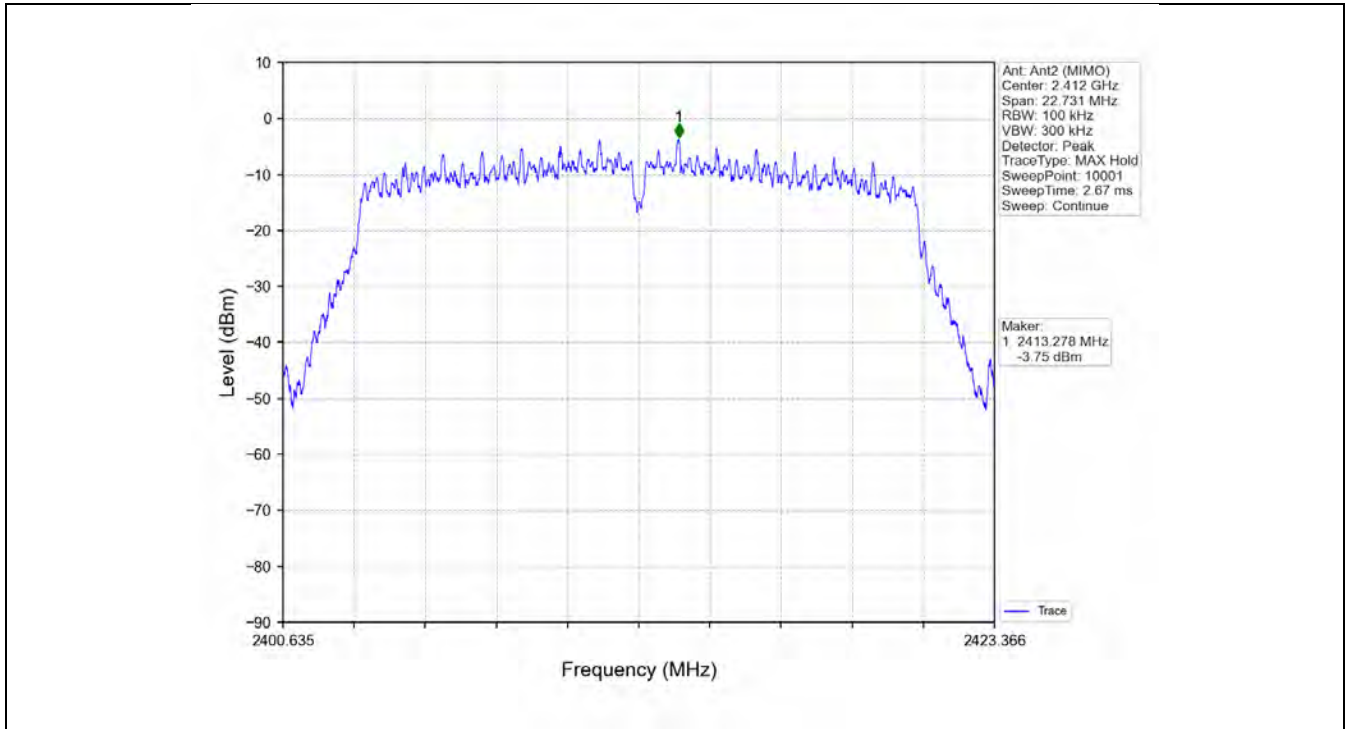
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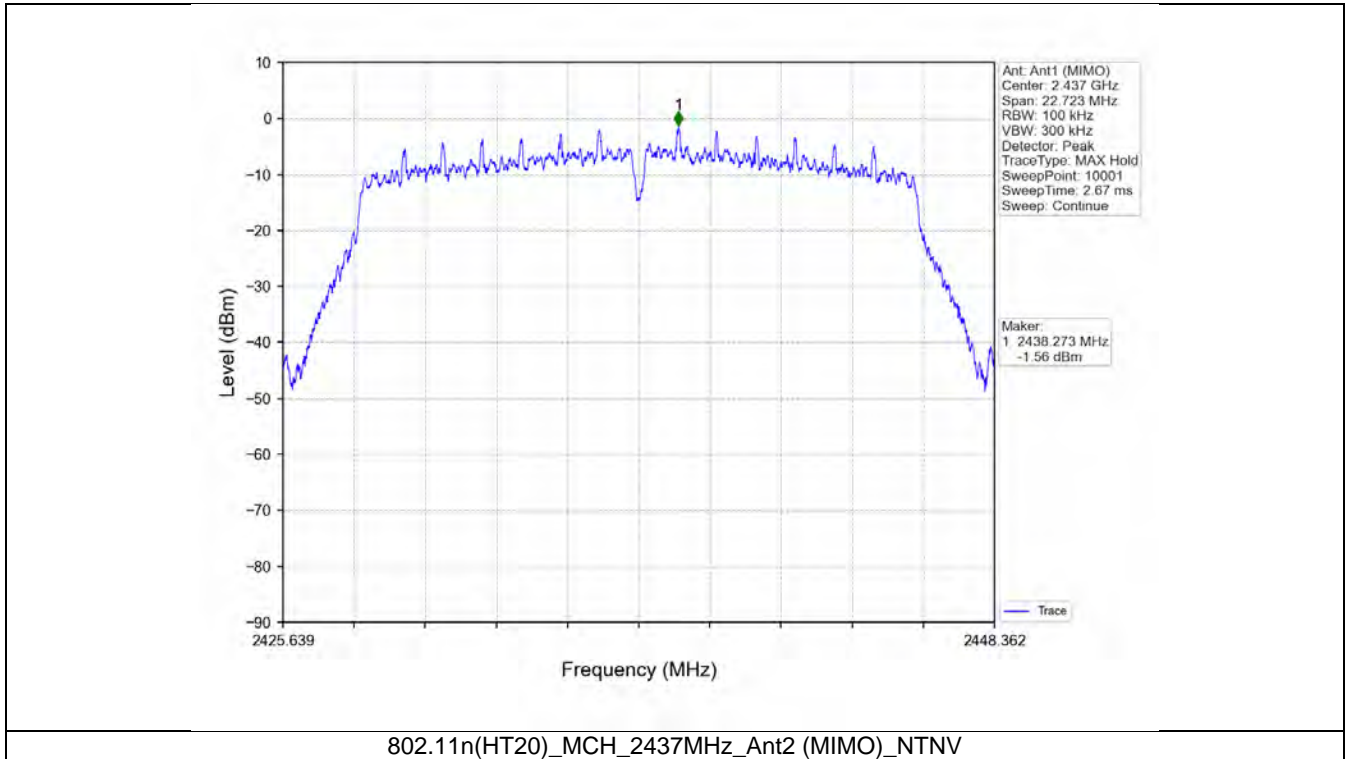


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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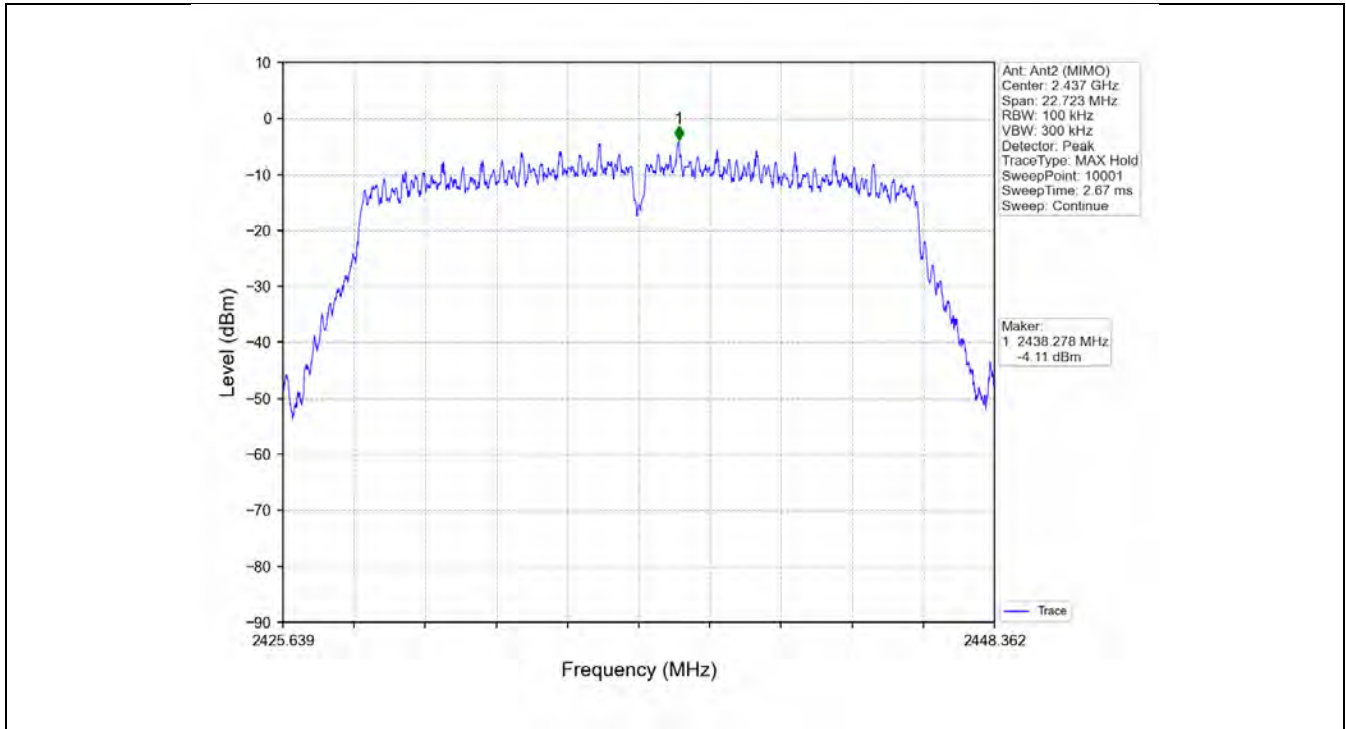
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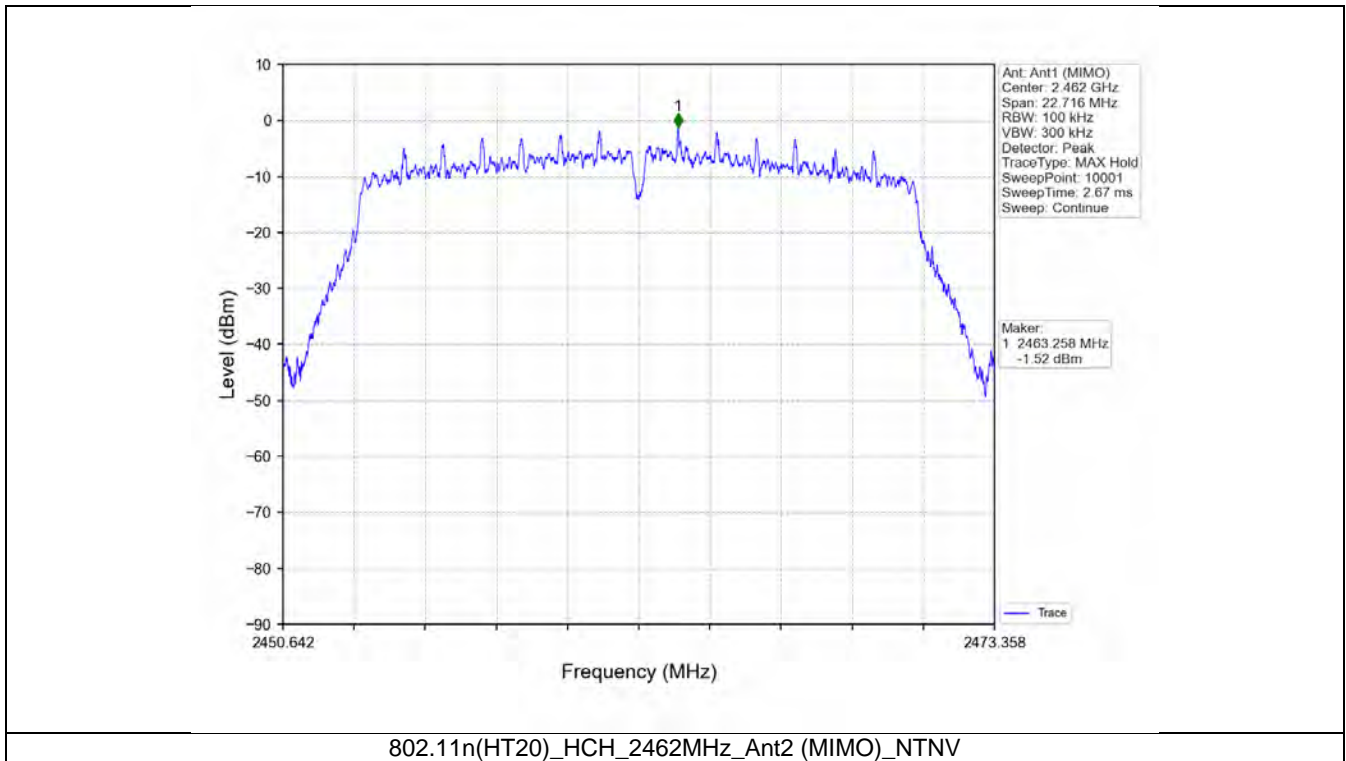


802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



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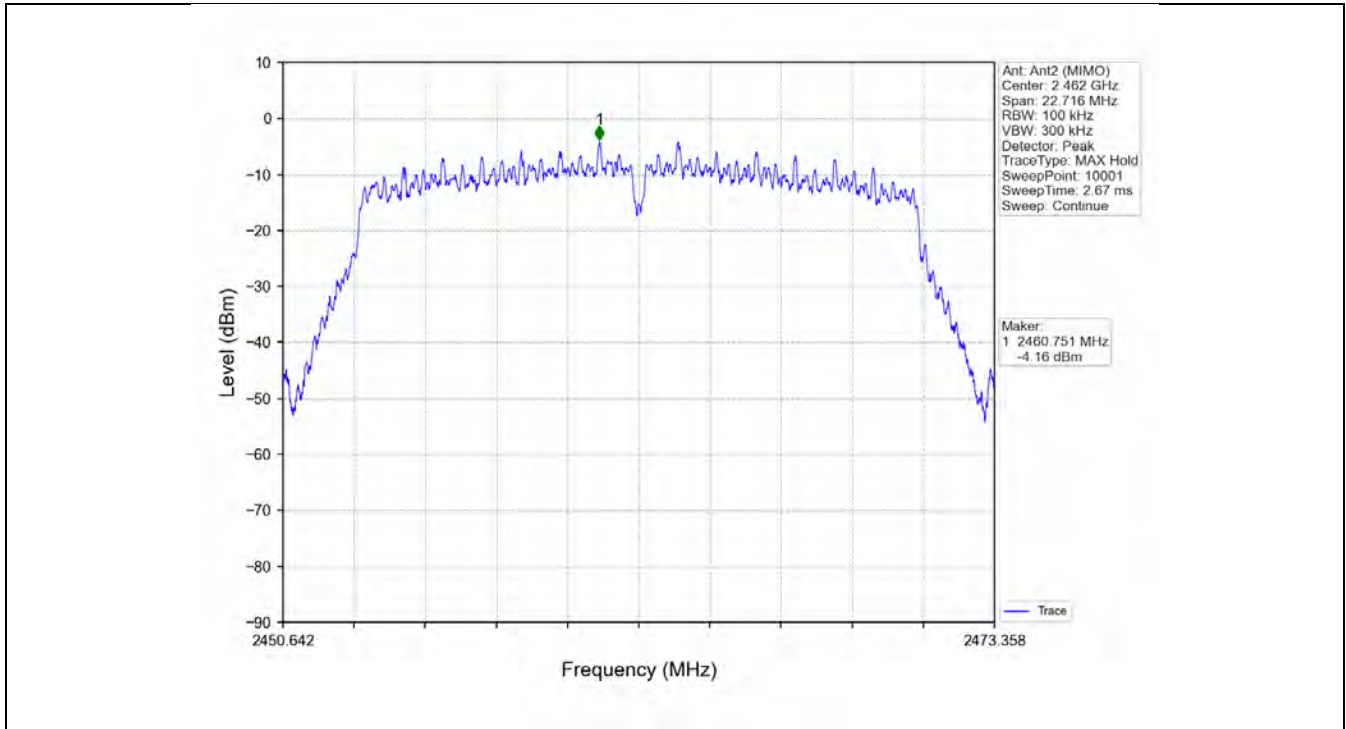
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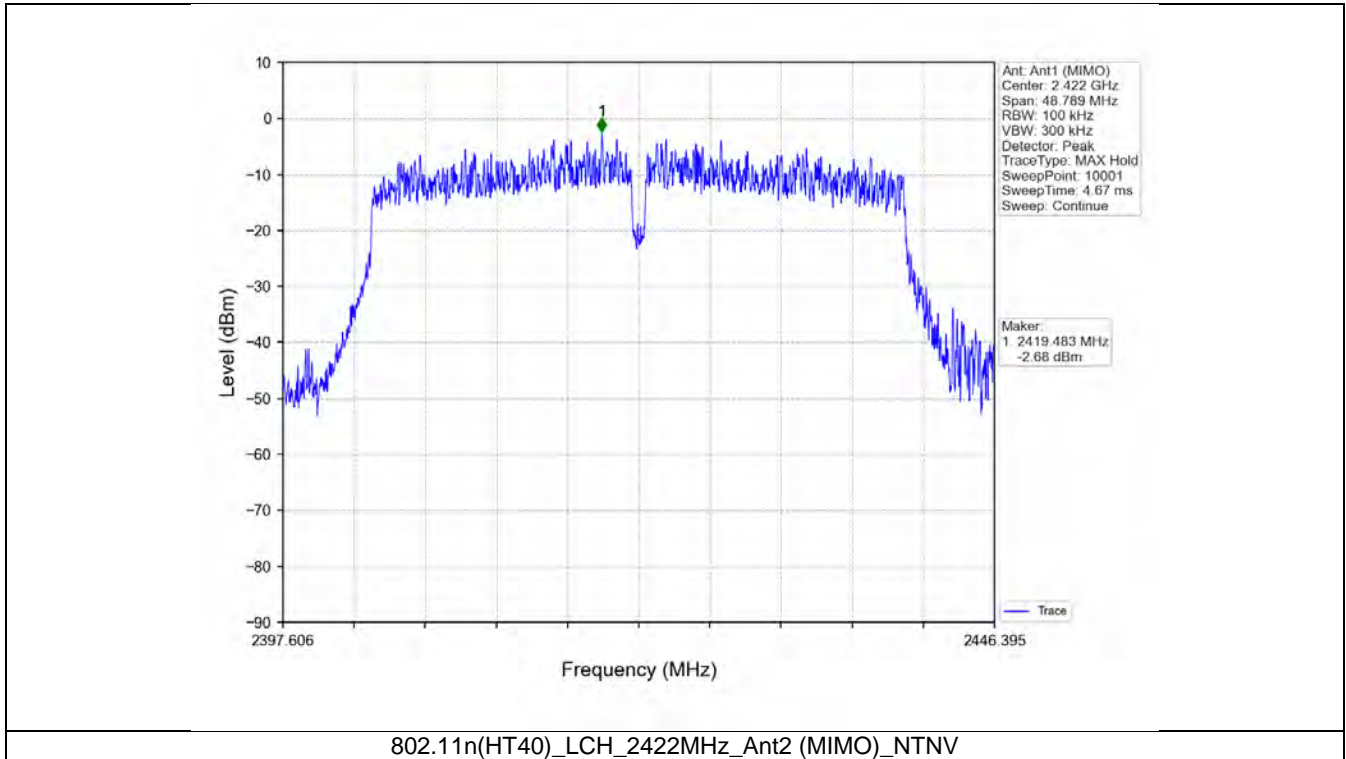


802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



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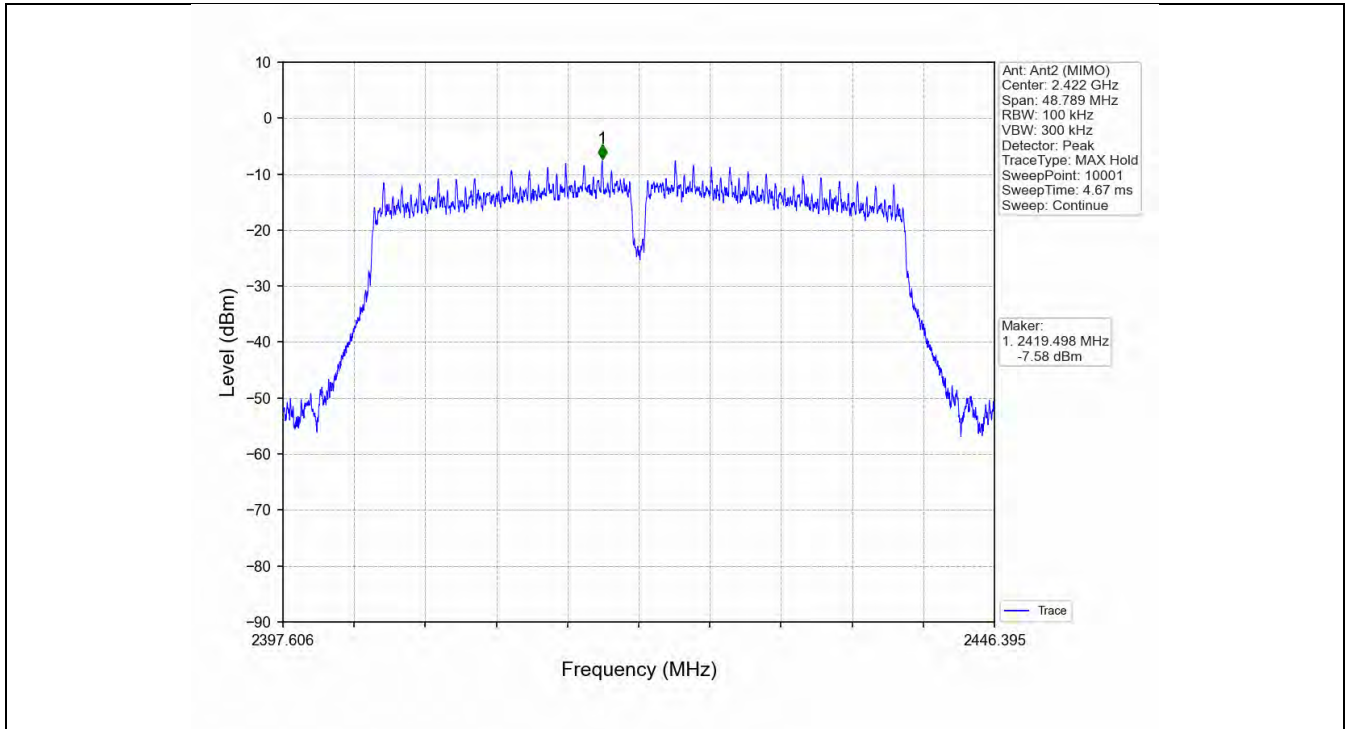
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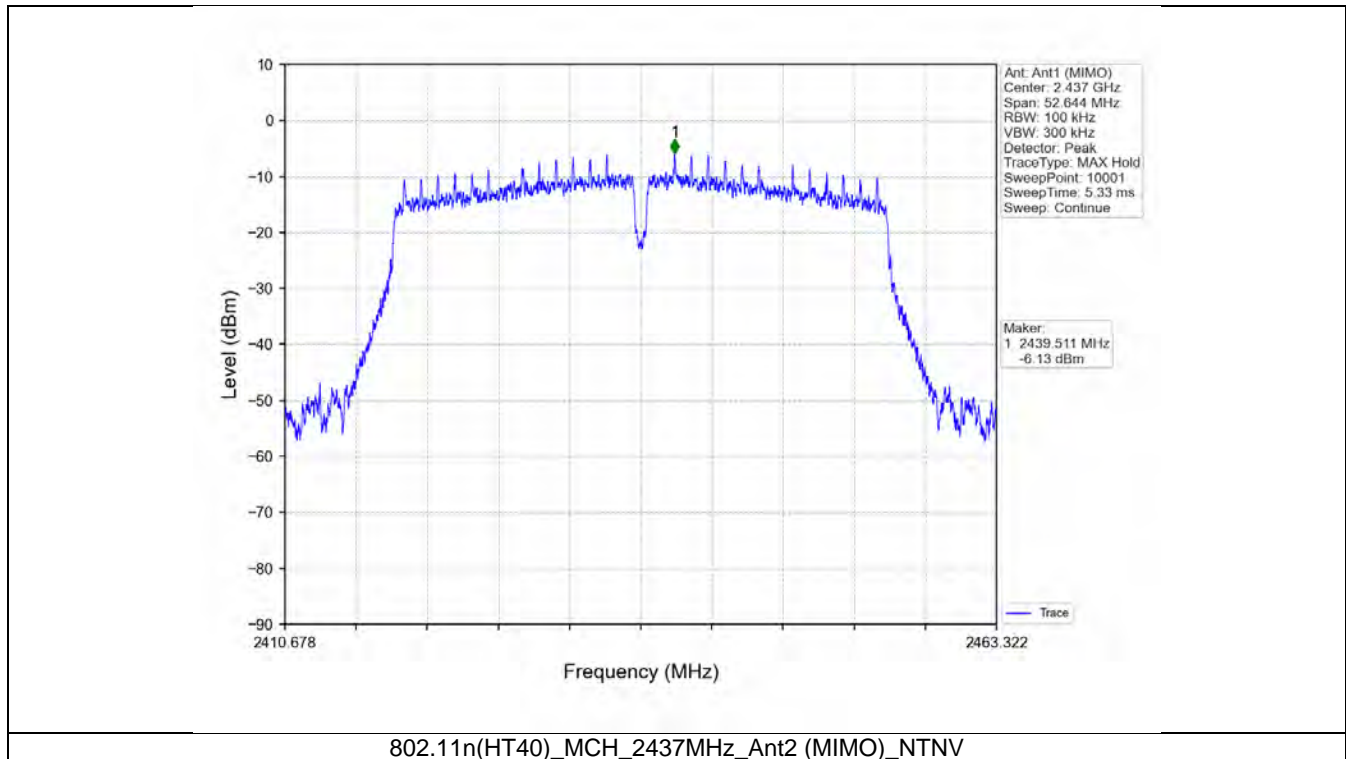


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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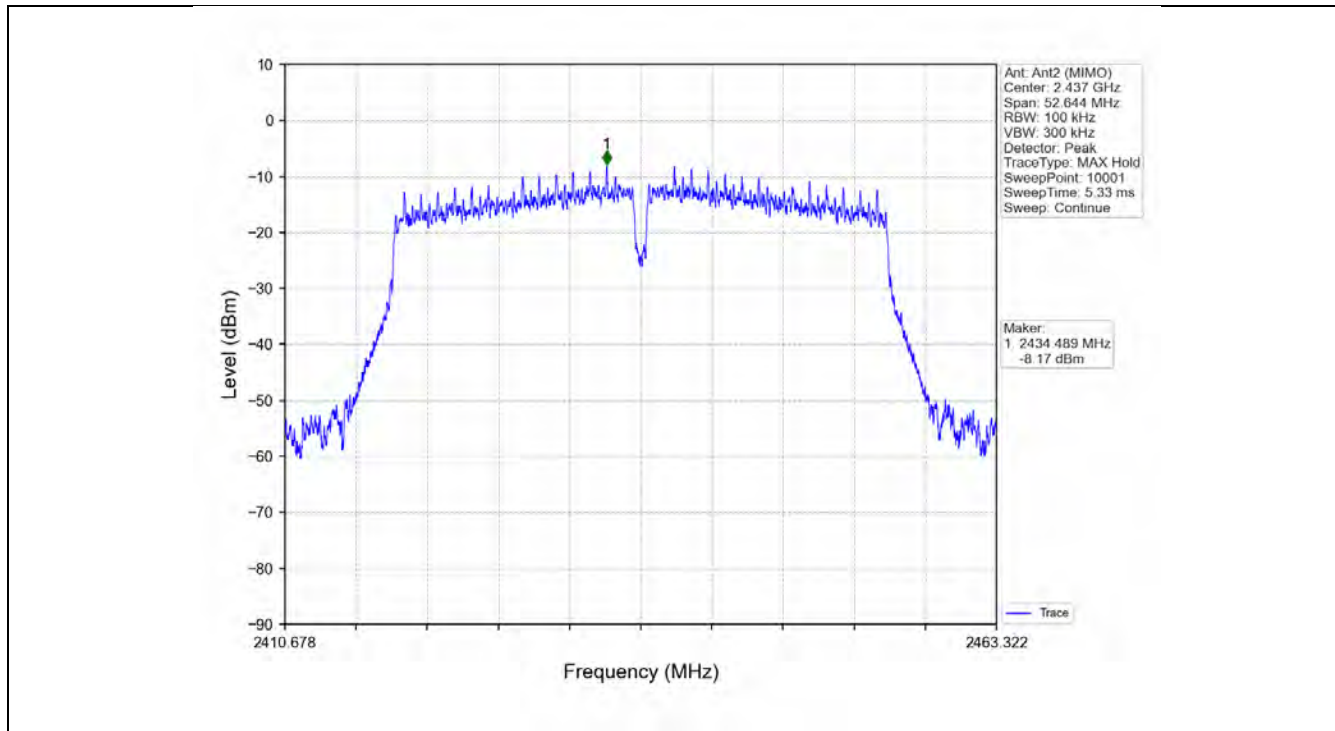
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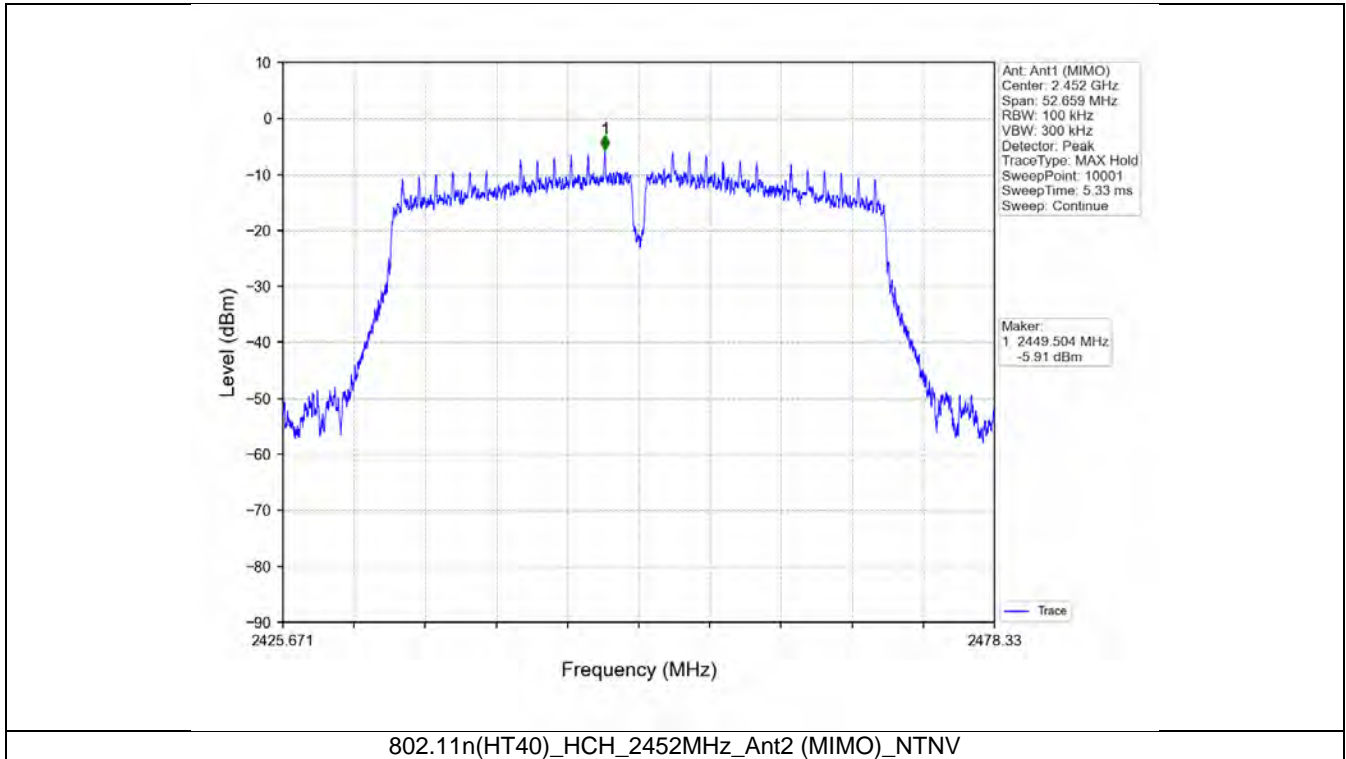


802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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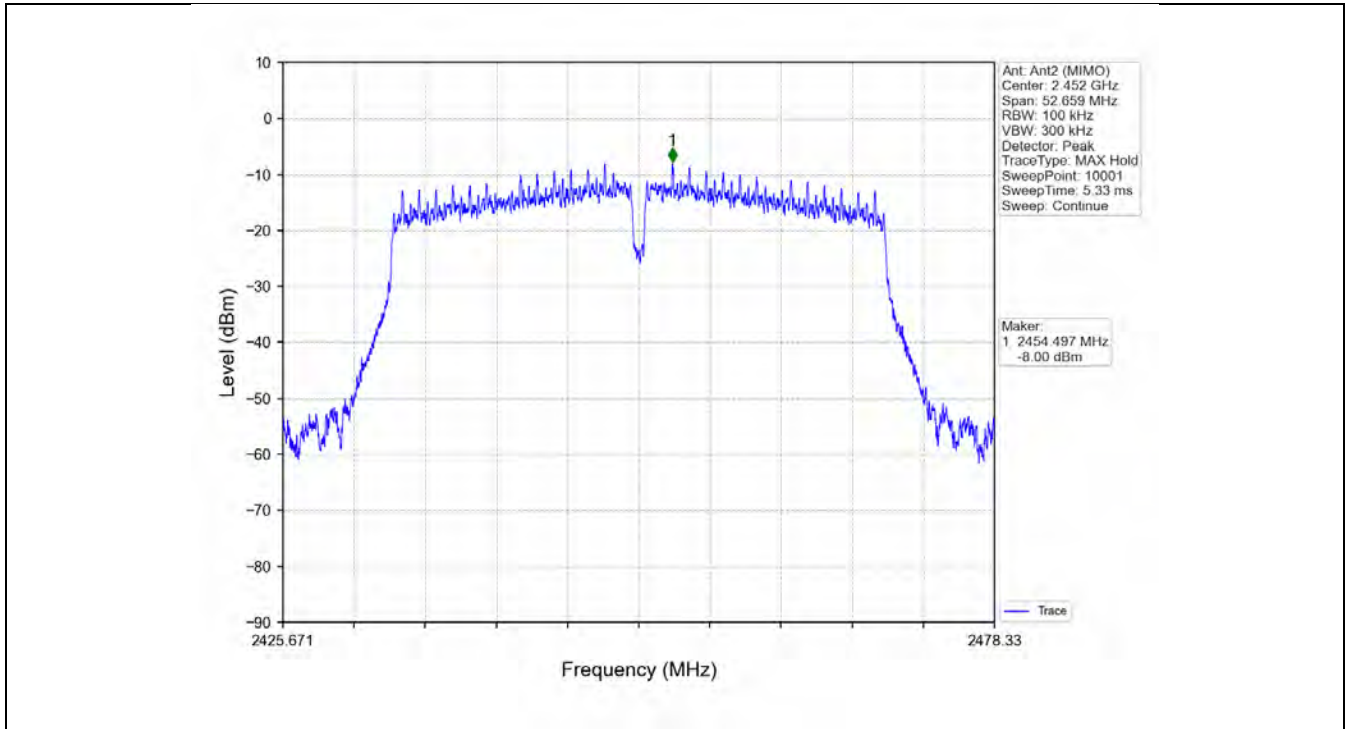
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2462	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
802.11g	SISO	2412	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass



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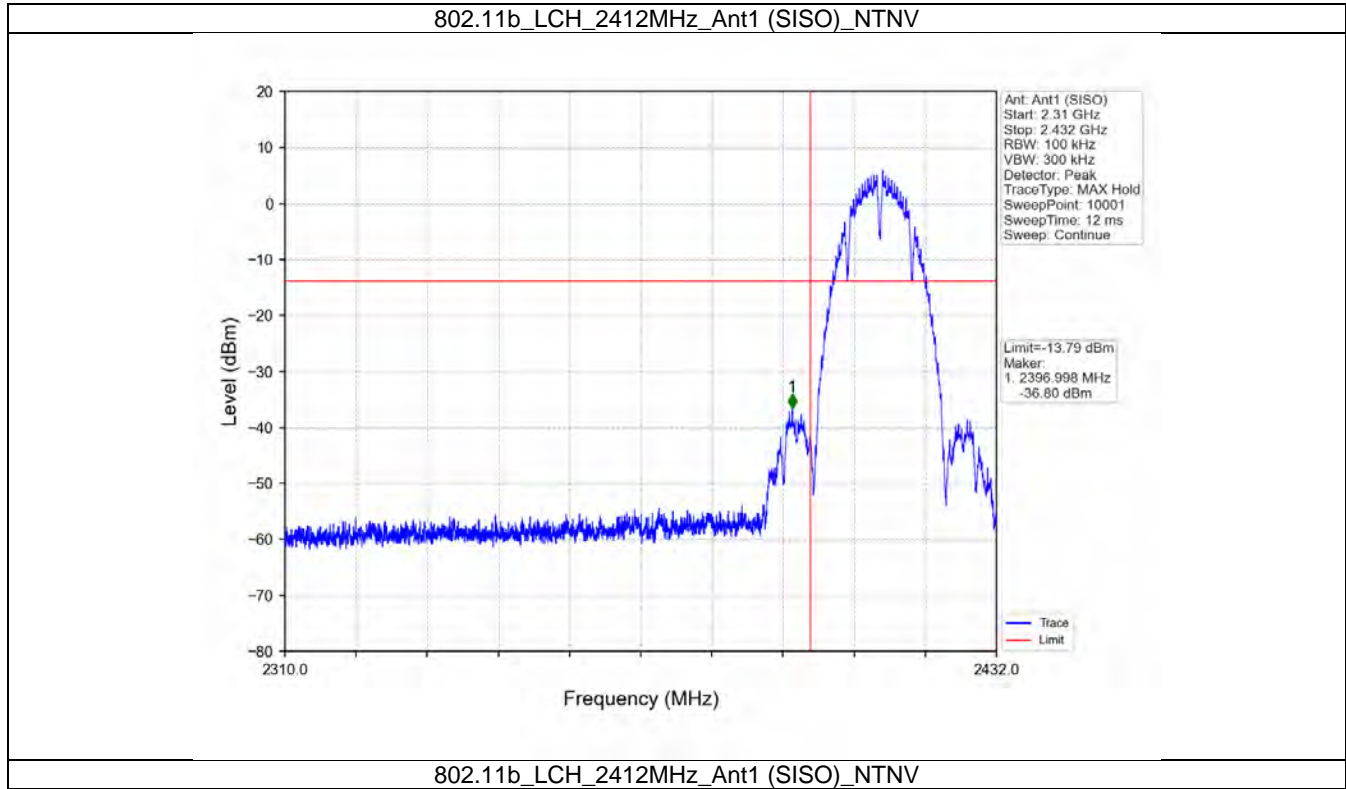
							Graph	
					2	Refer To Test Graph	Refer To Test Graph	Pass
					1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
802.11n (HT20)	MIMO	2412	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2462	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
802.11n (HT40)	MIMO	2422	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	Pass
		2452	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
					2	Refer To Test Graph	Refer To Test Graph	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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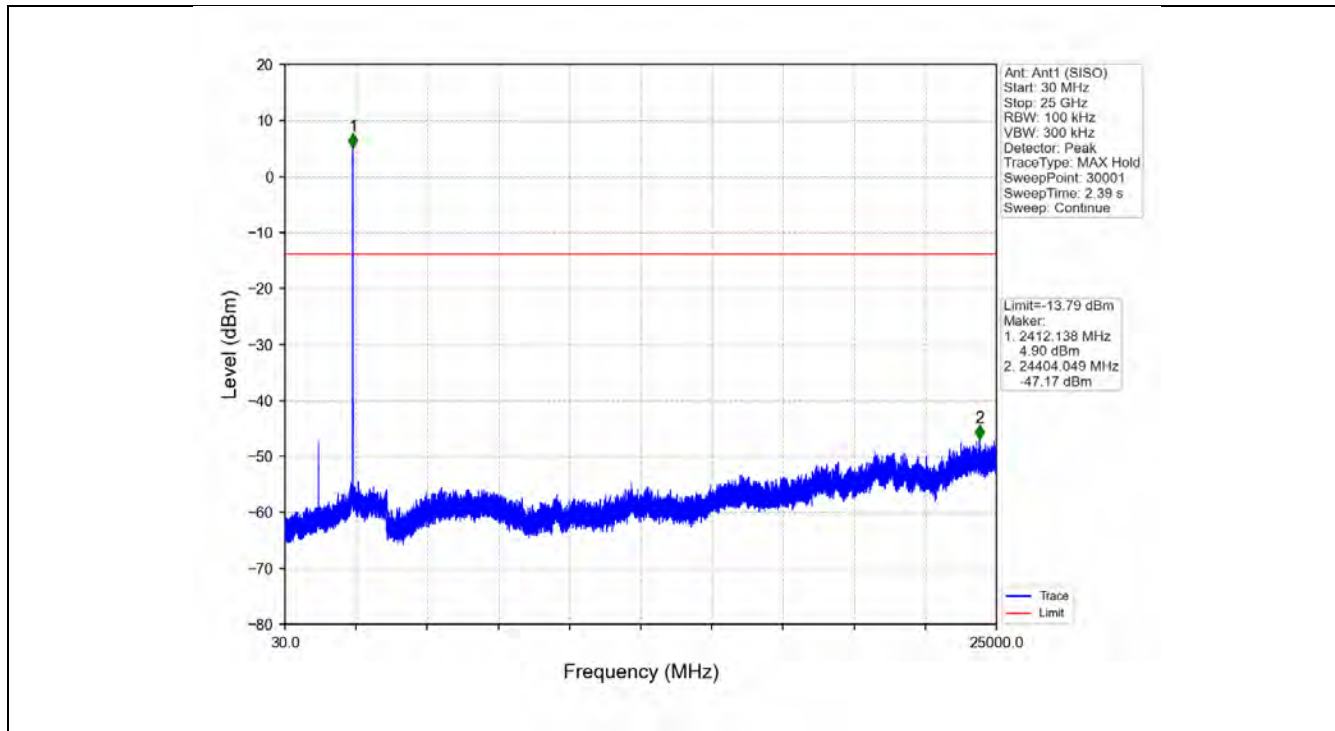
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5.2.2 Test Graph



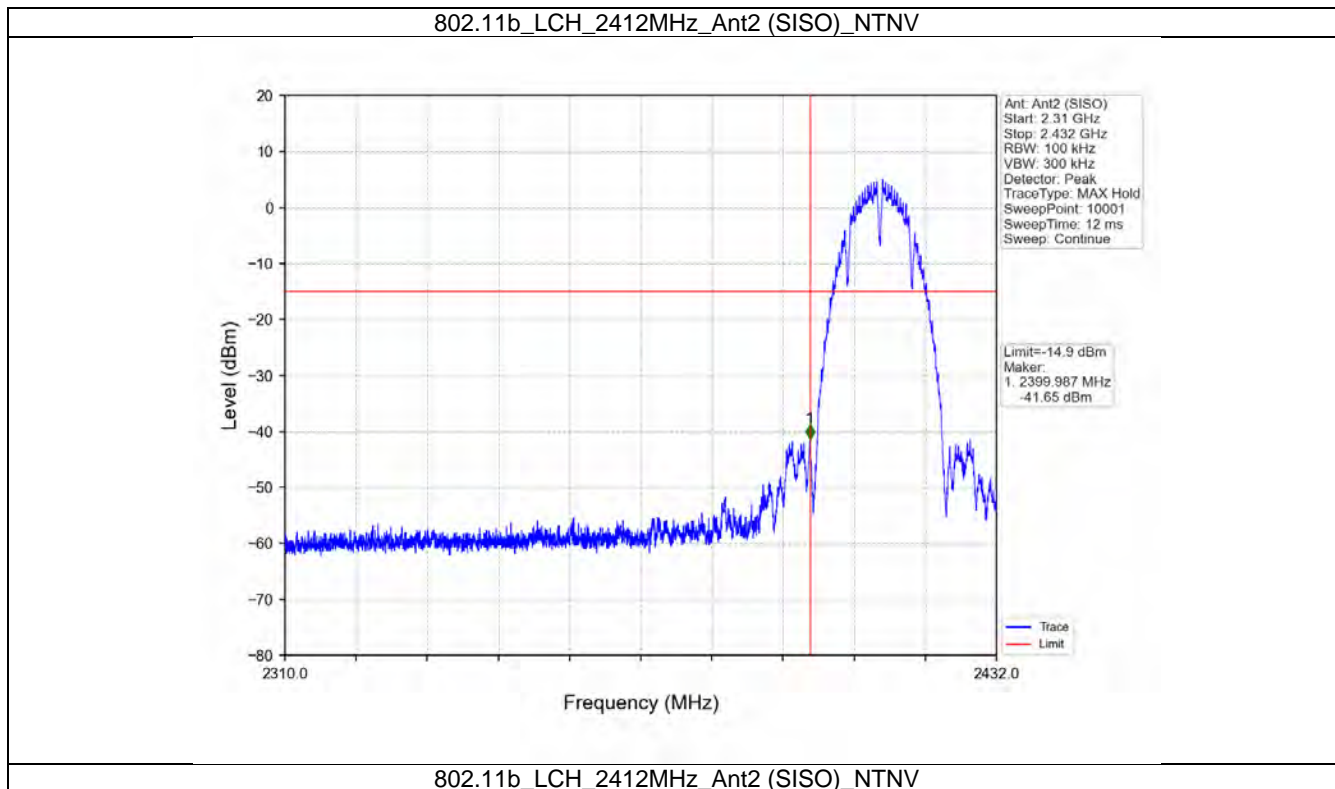
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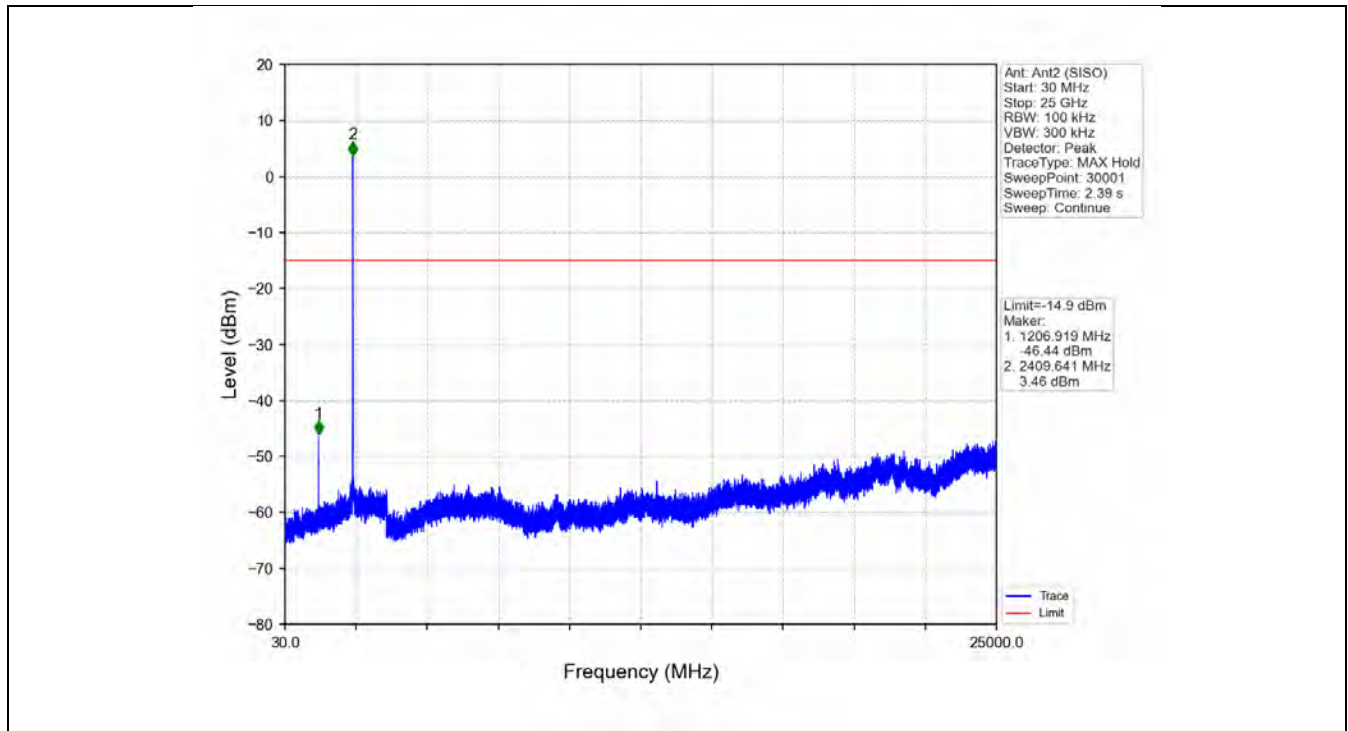


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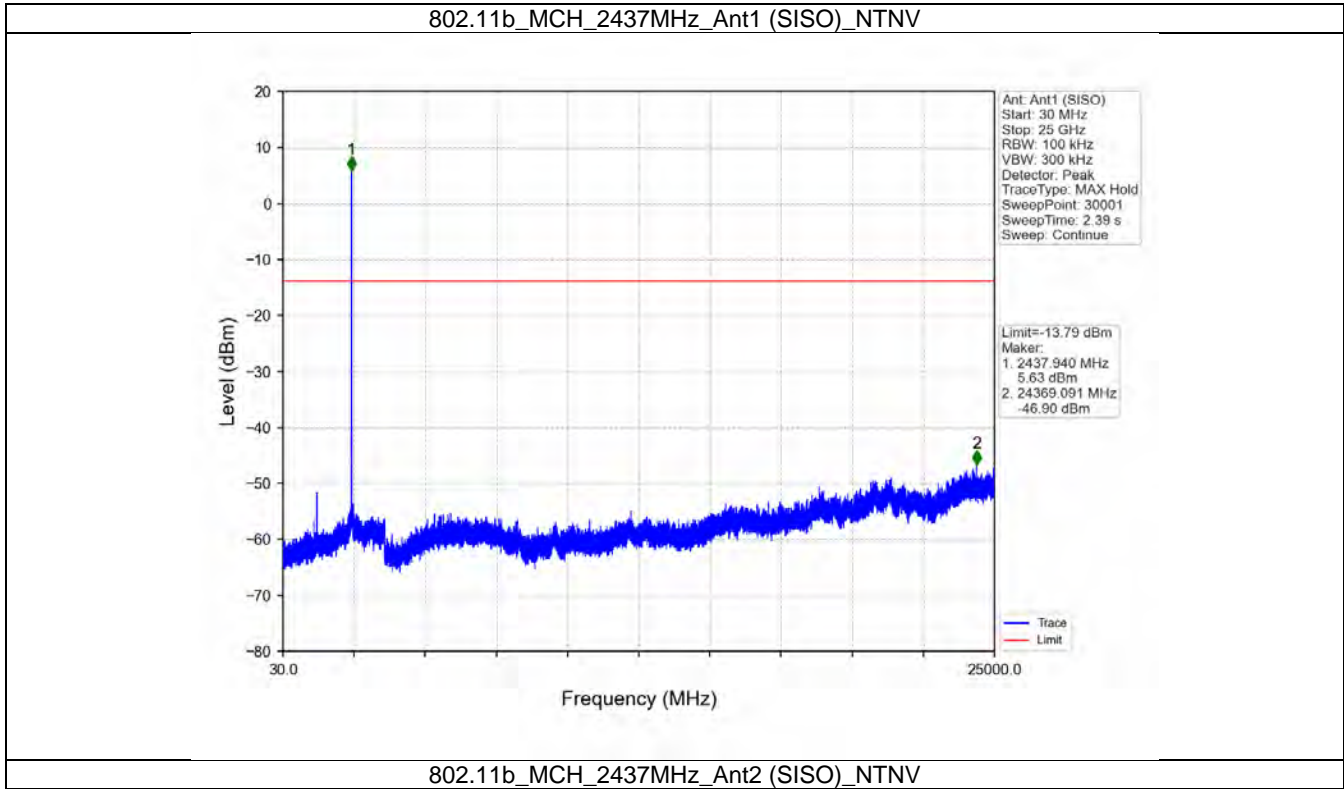
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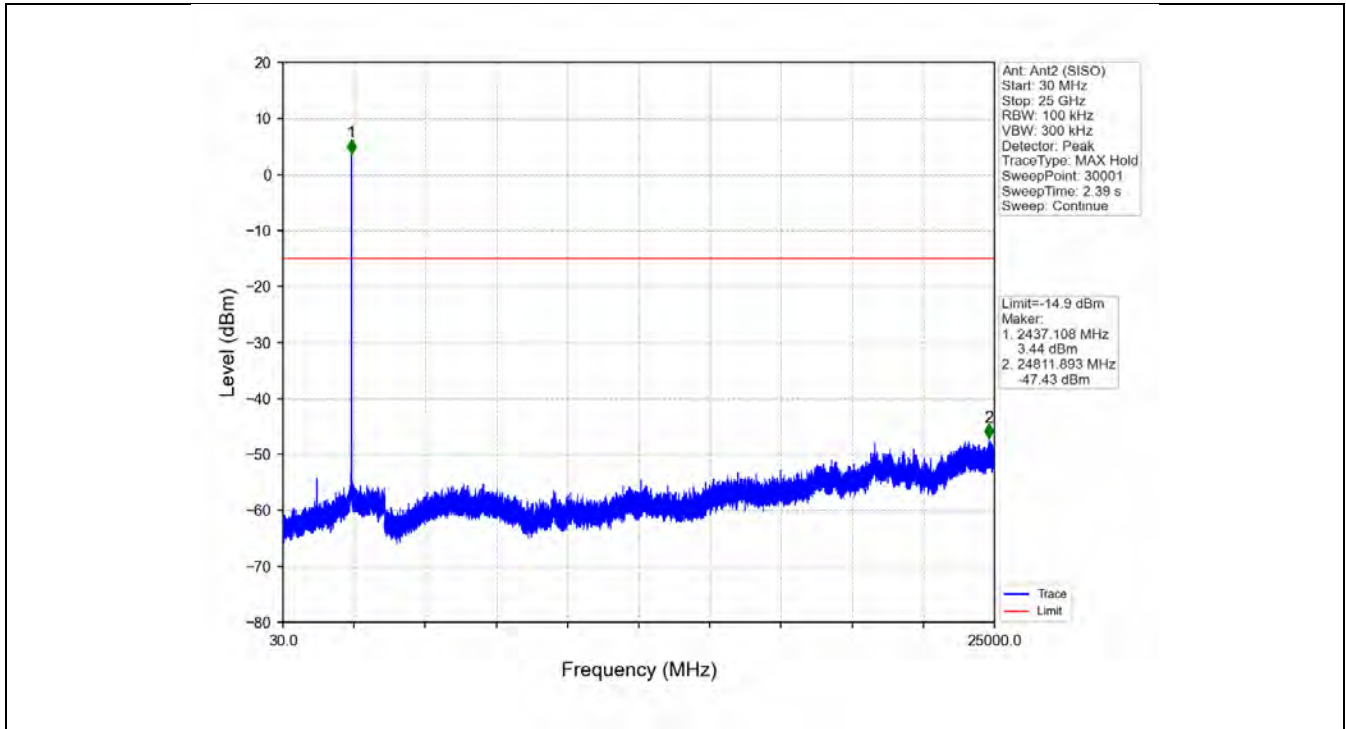
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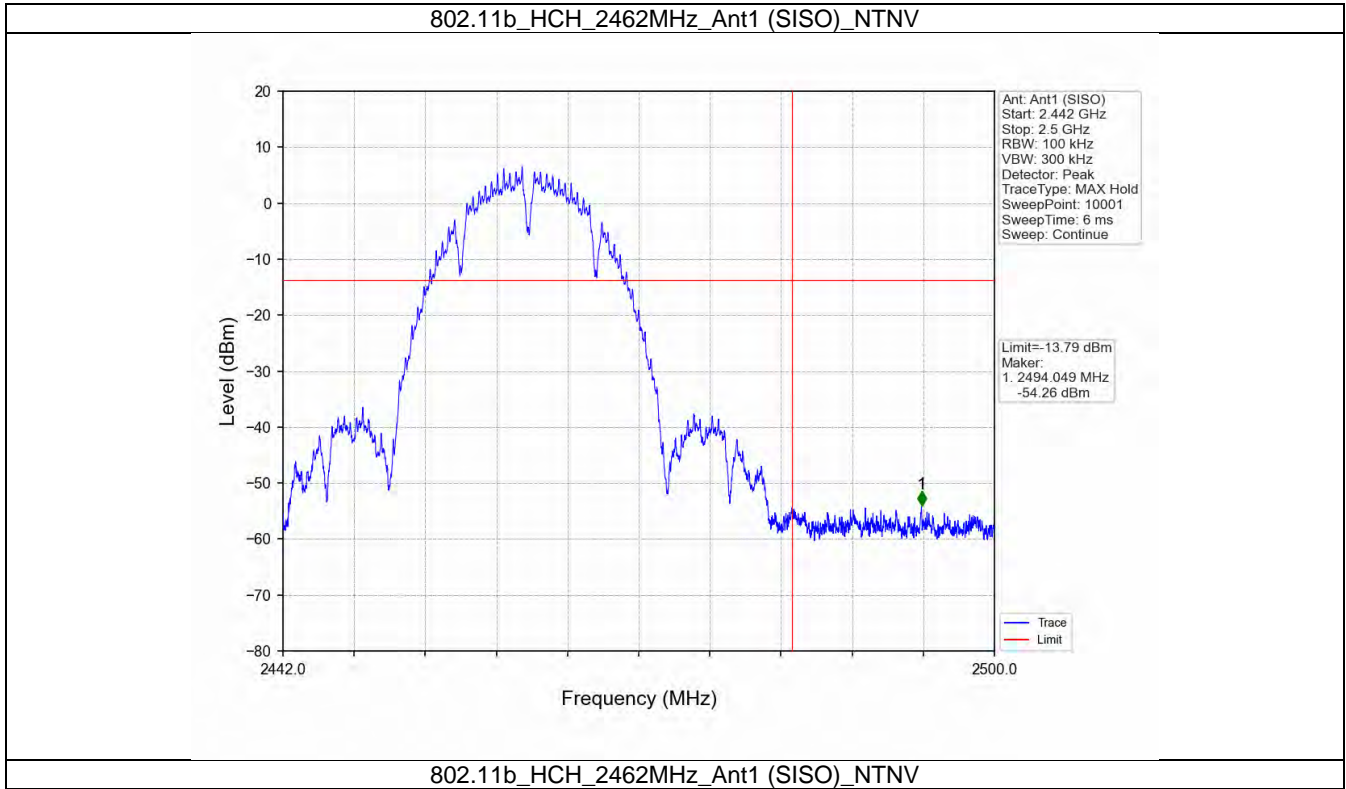
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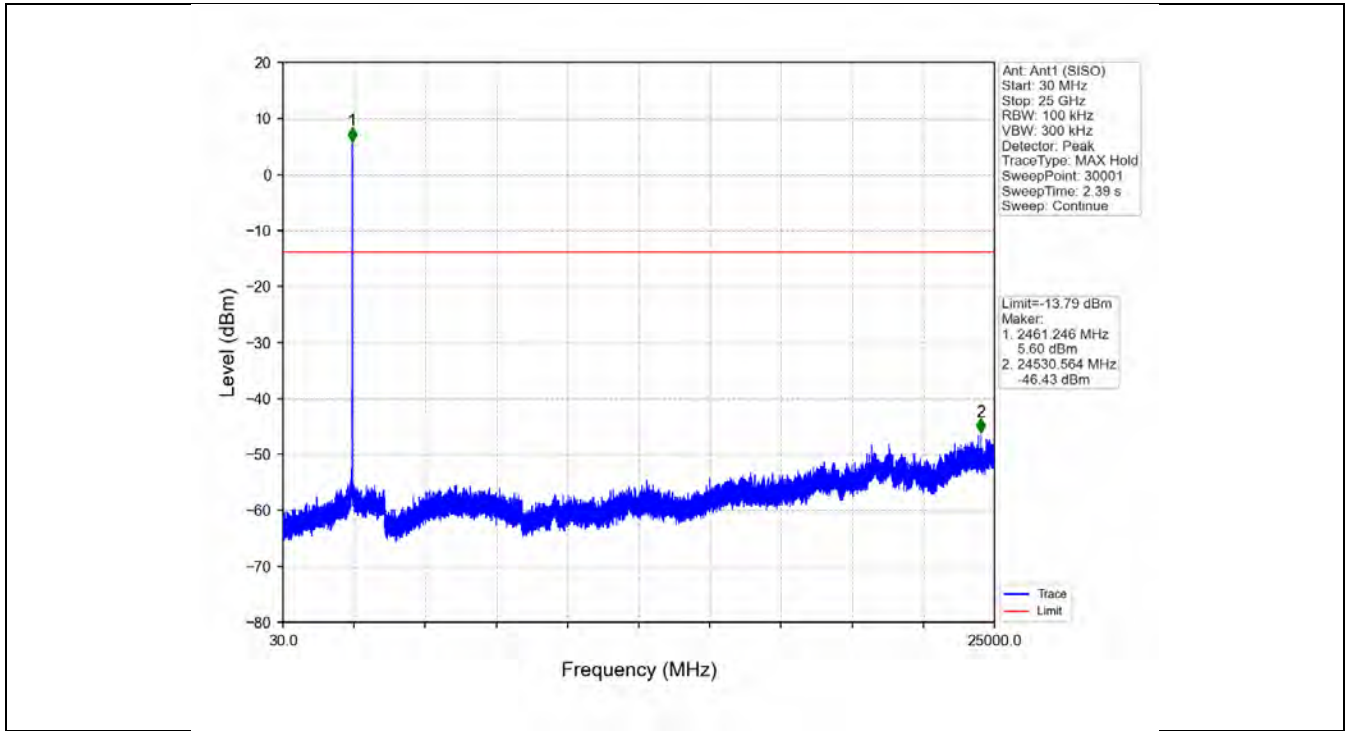
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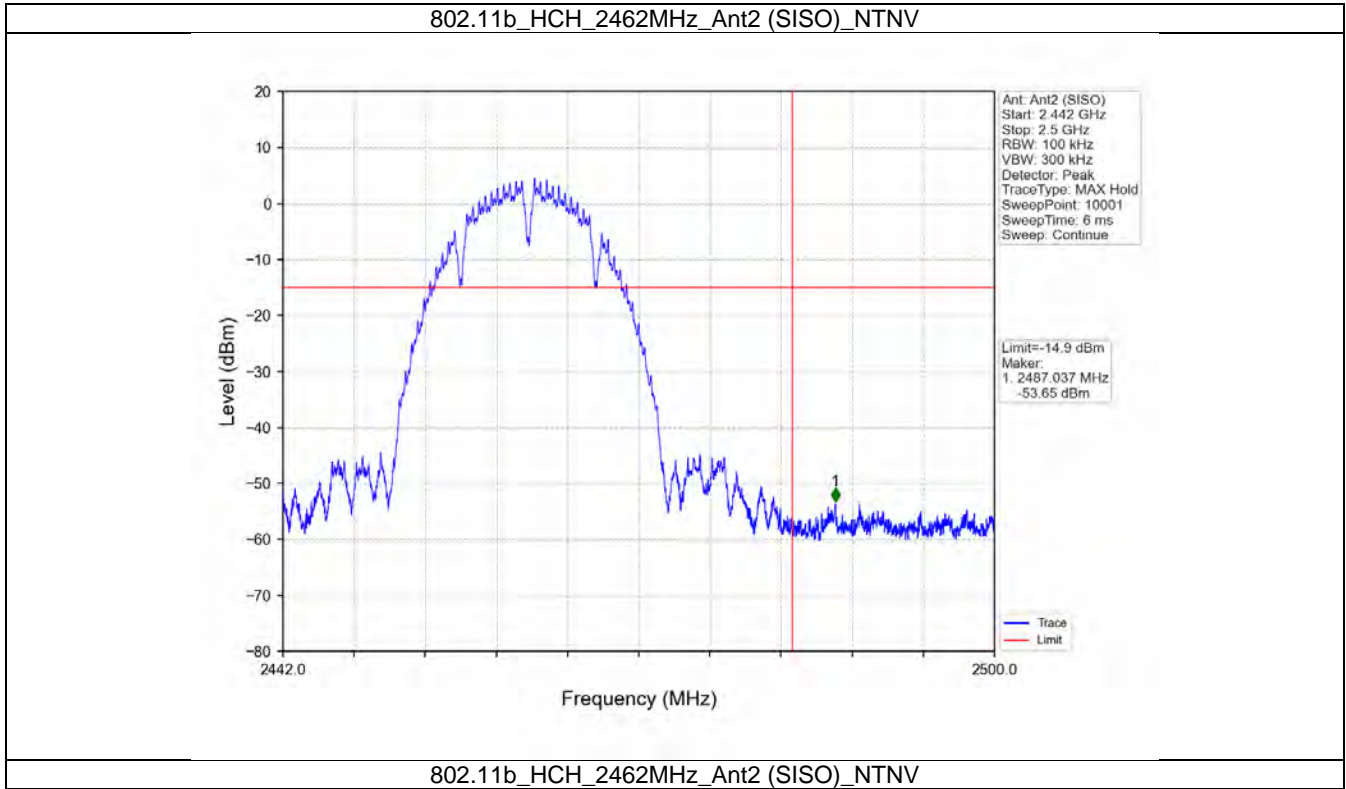
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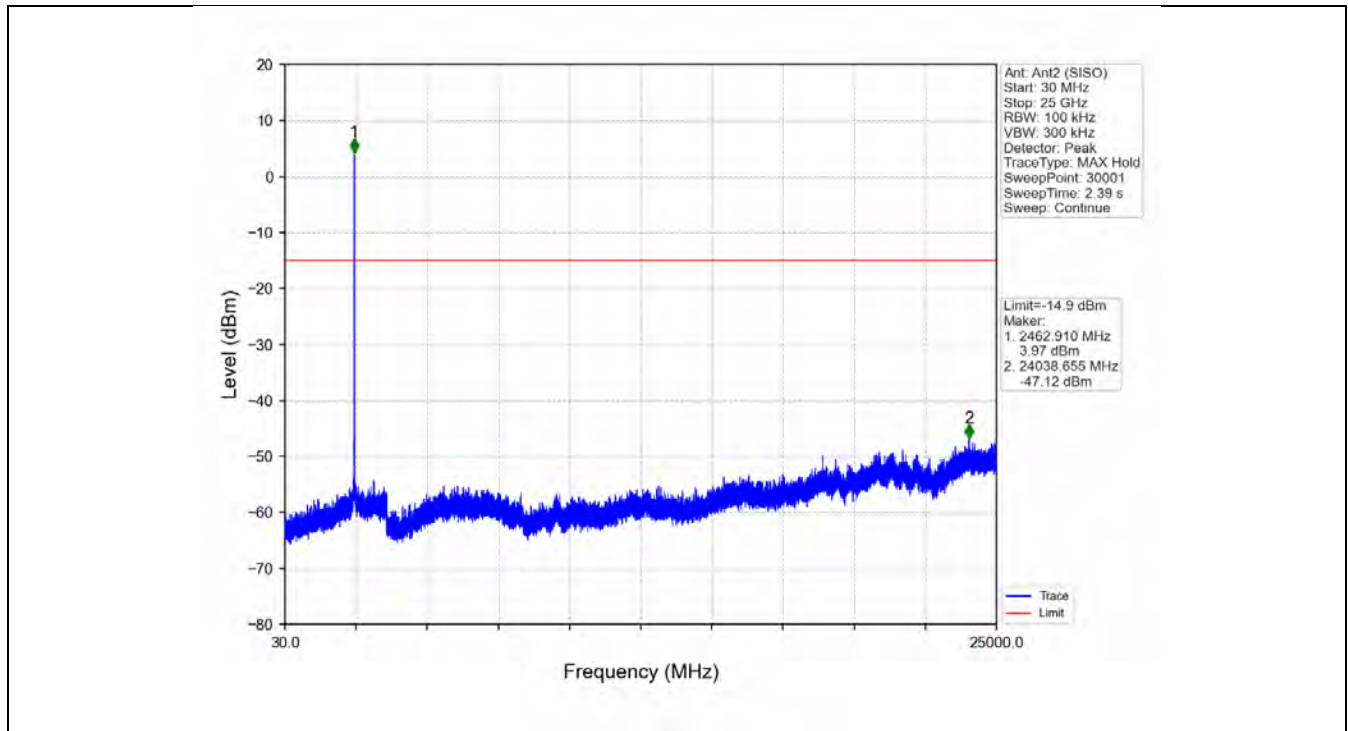
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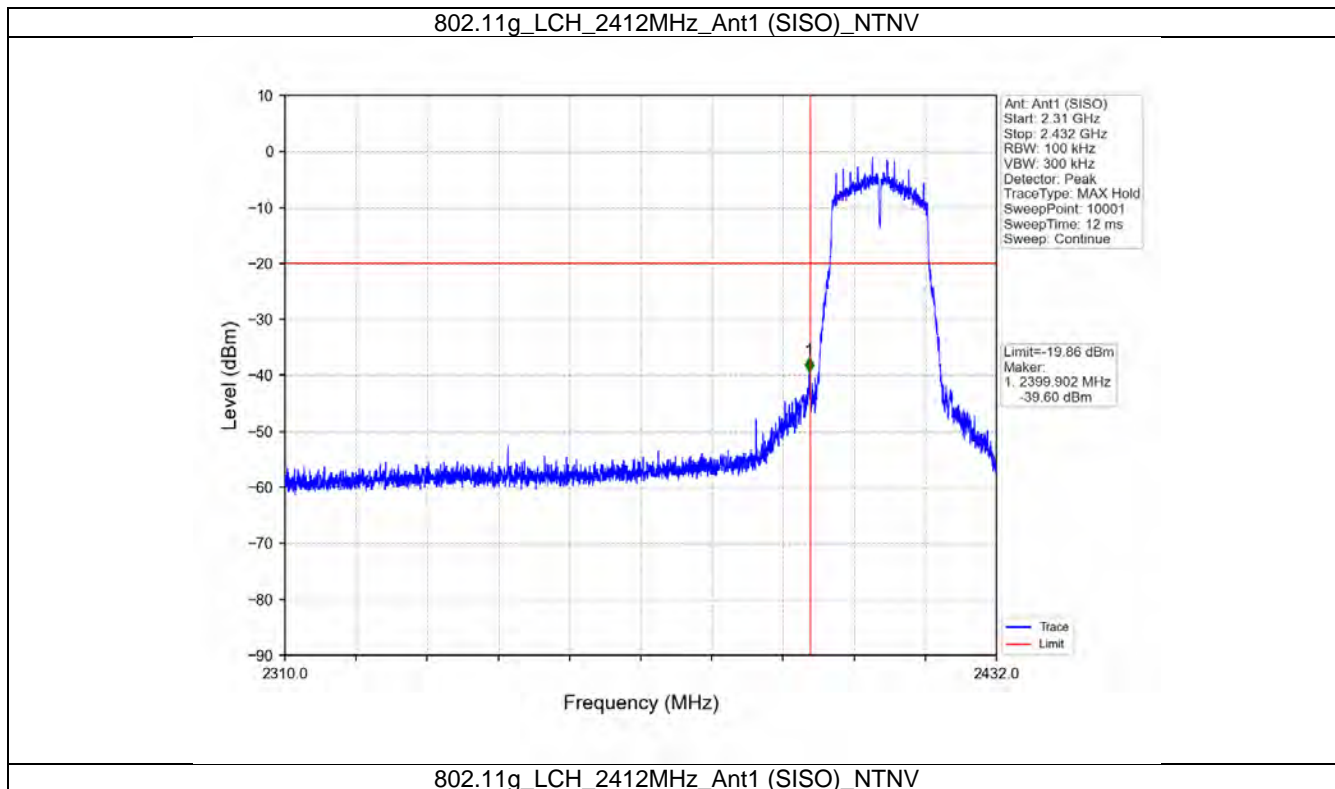
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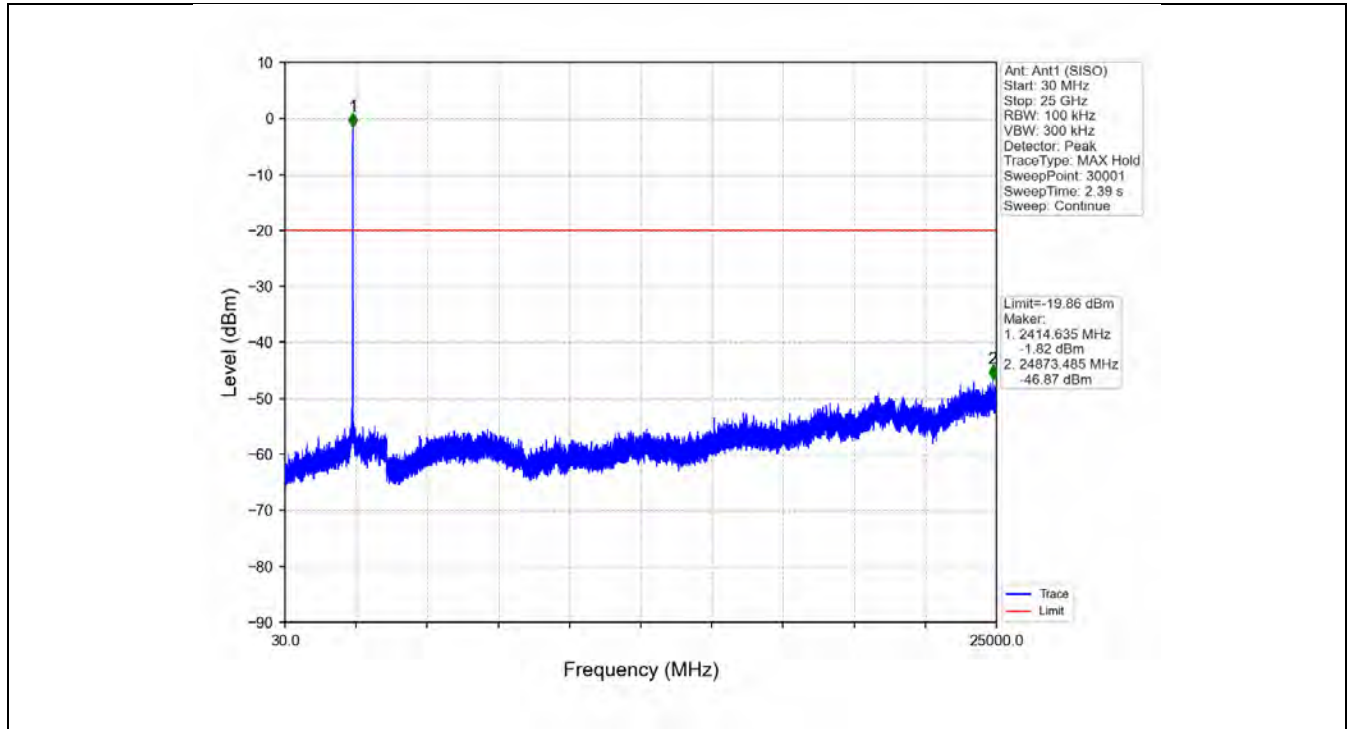
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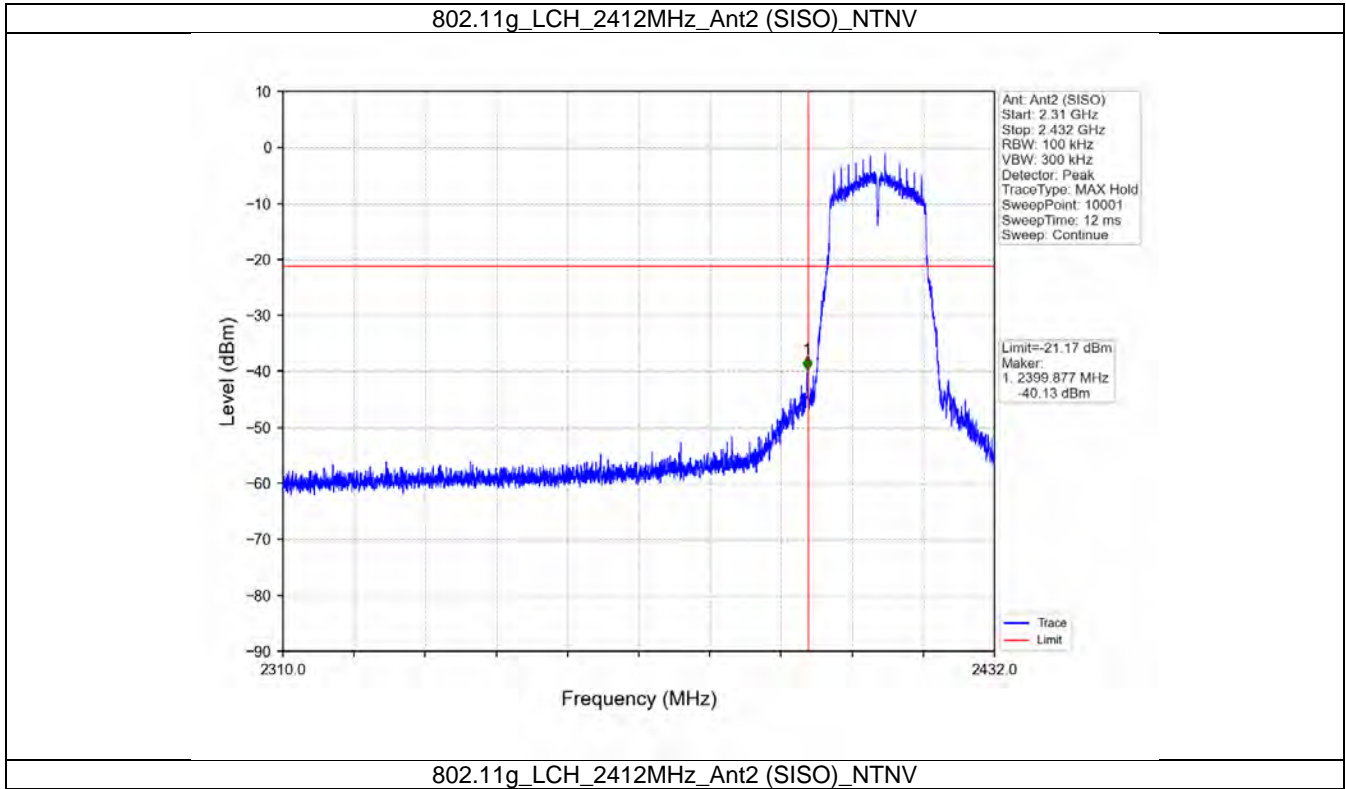
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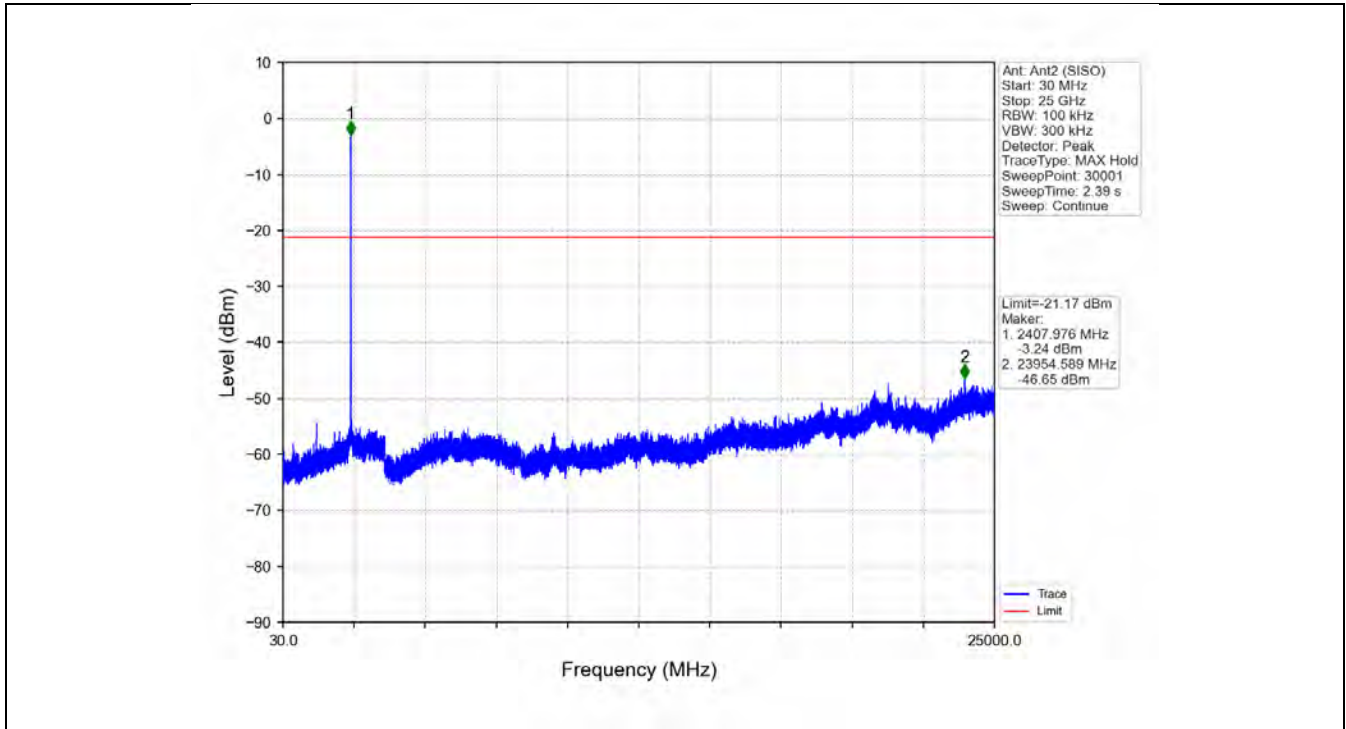
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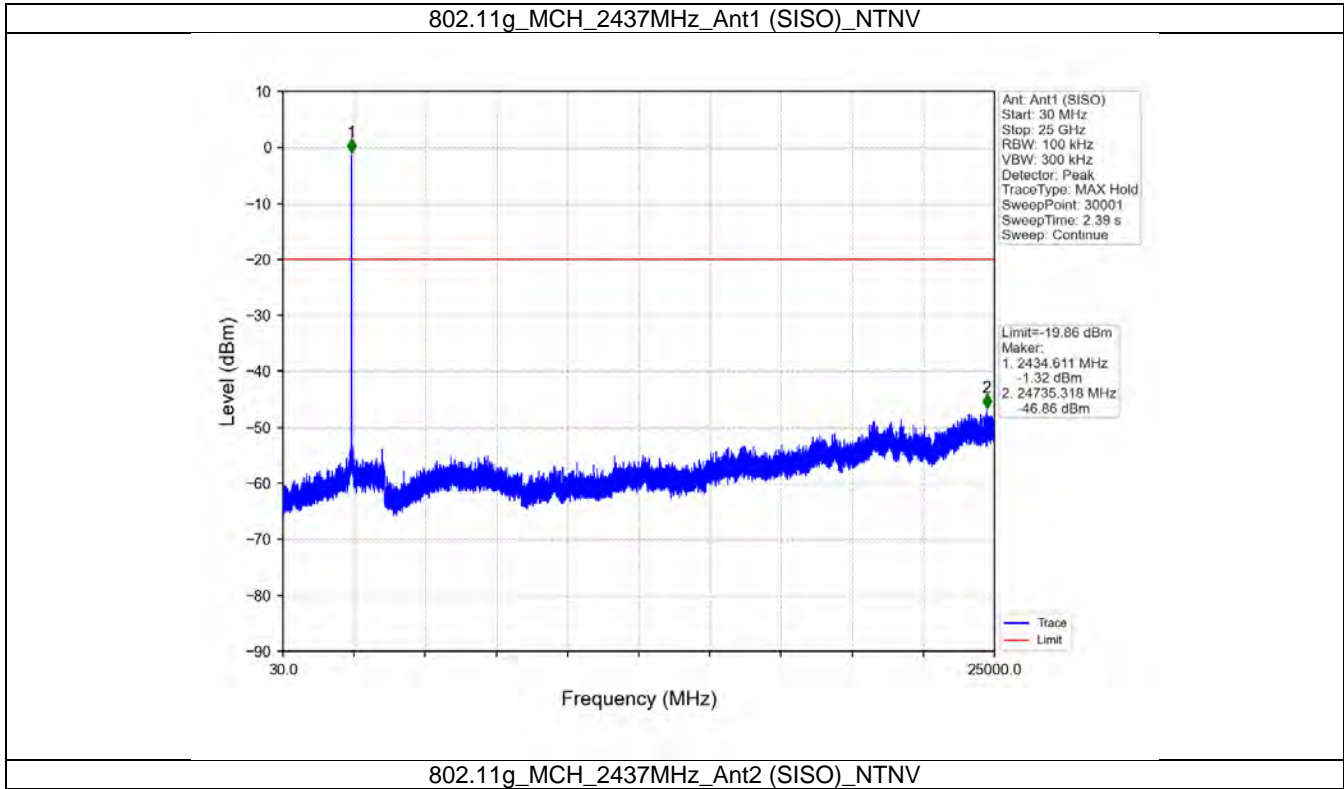
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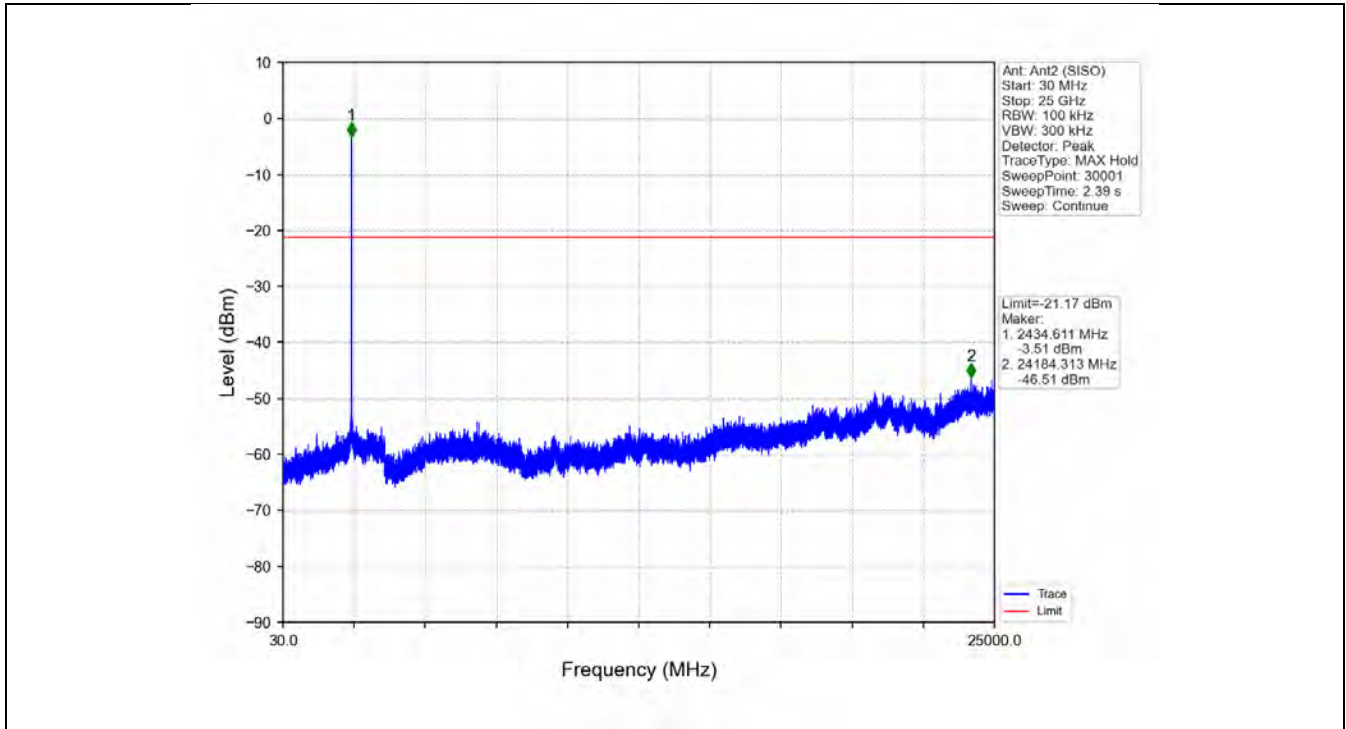
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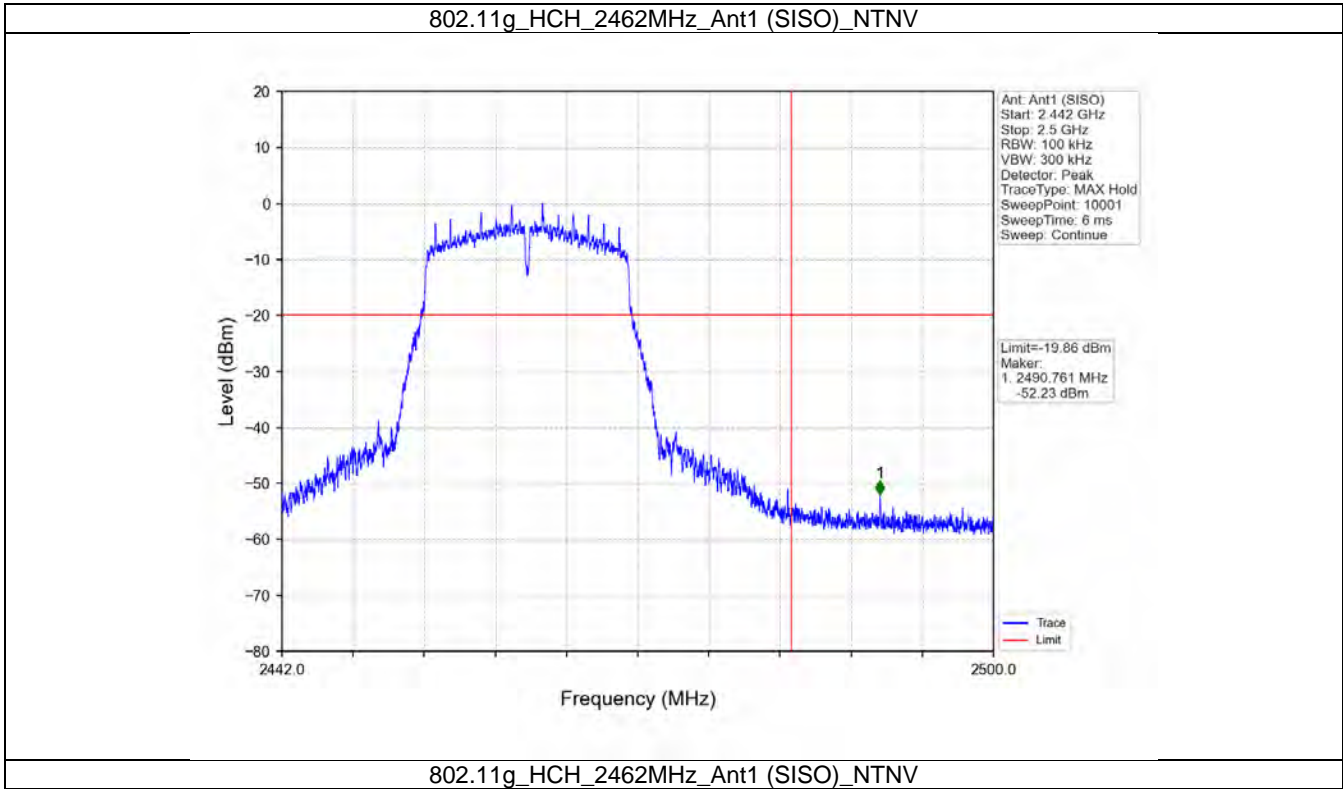
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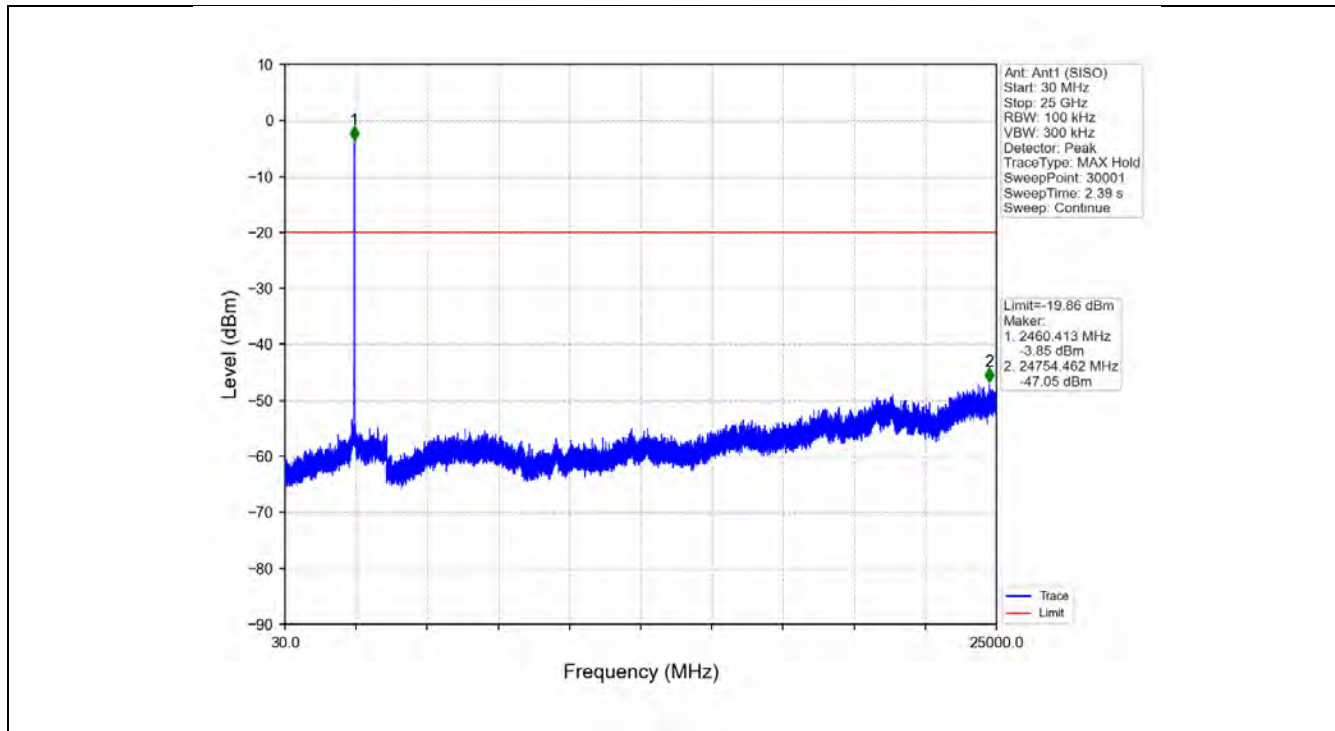
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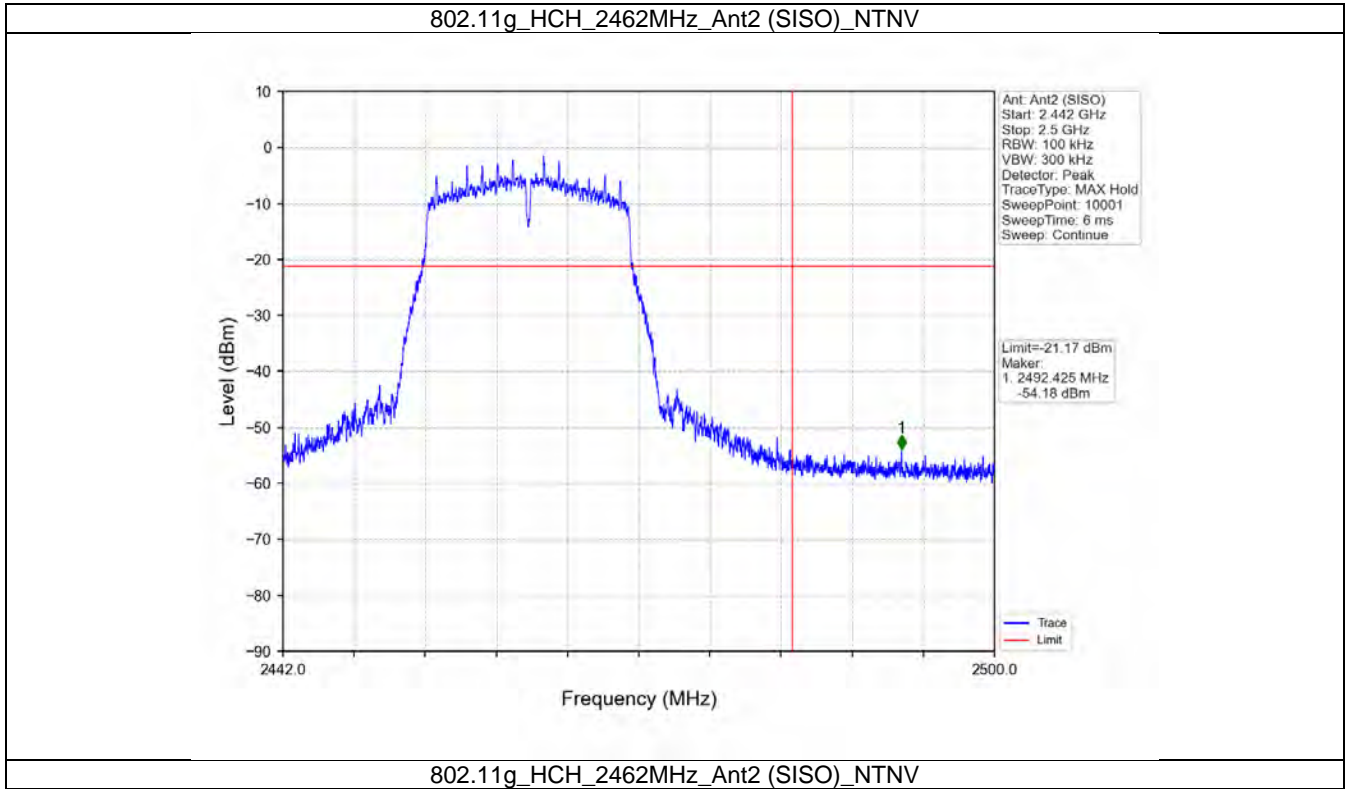
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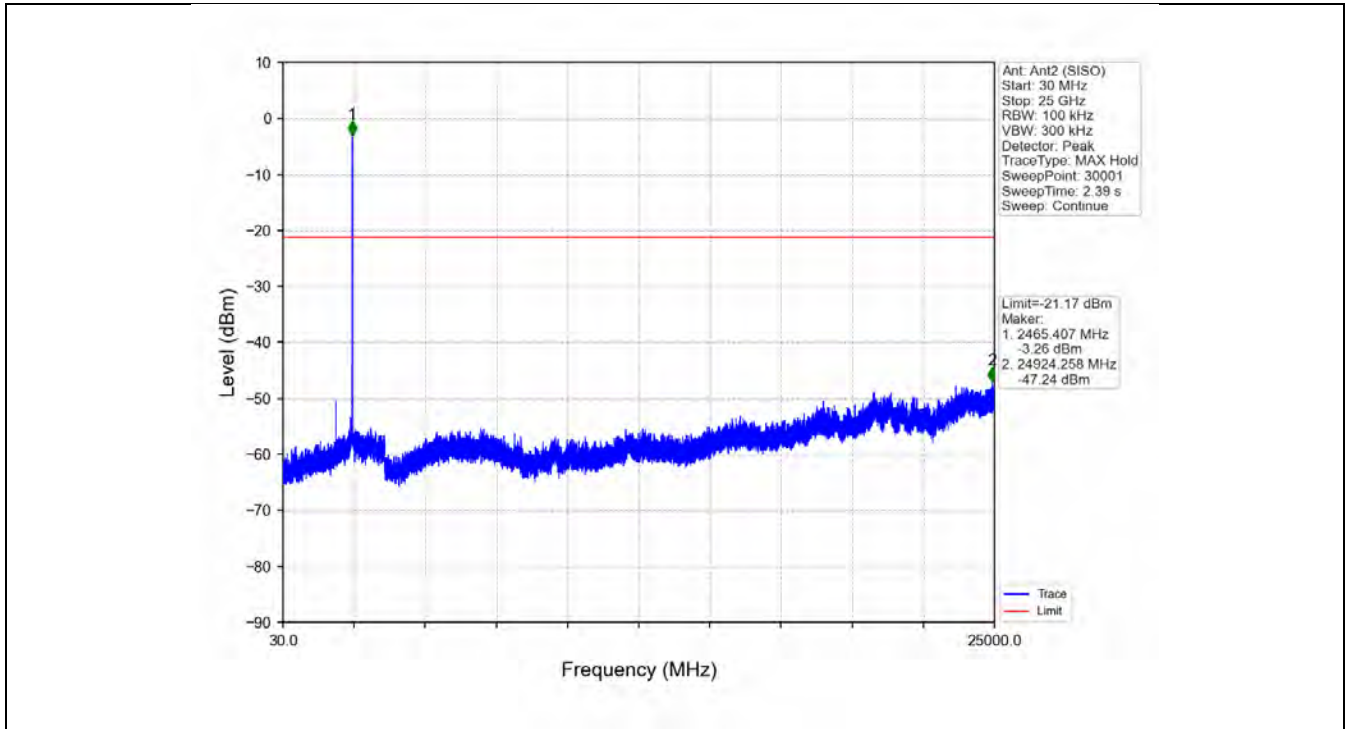
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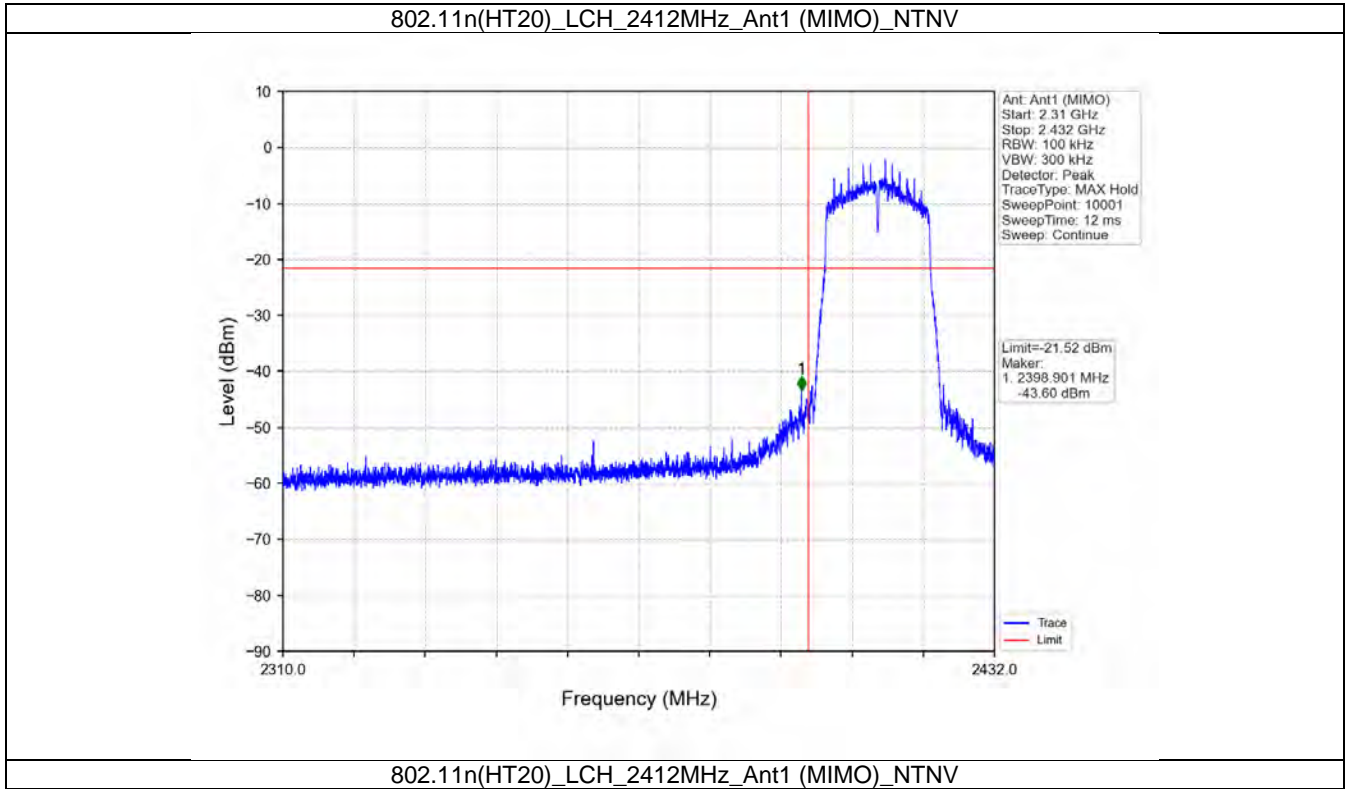
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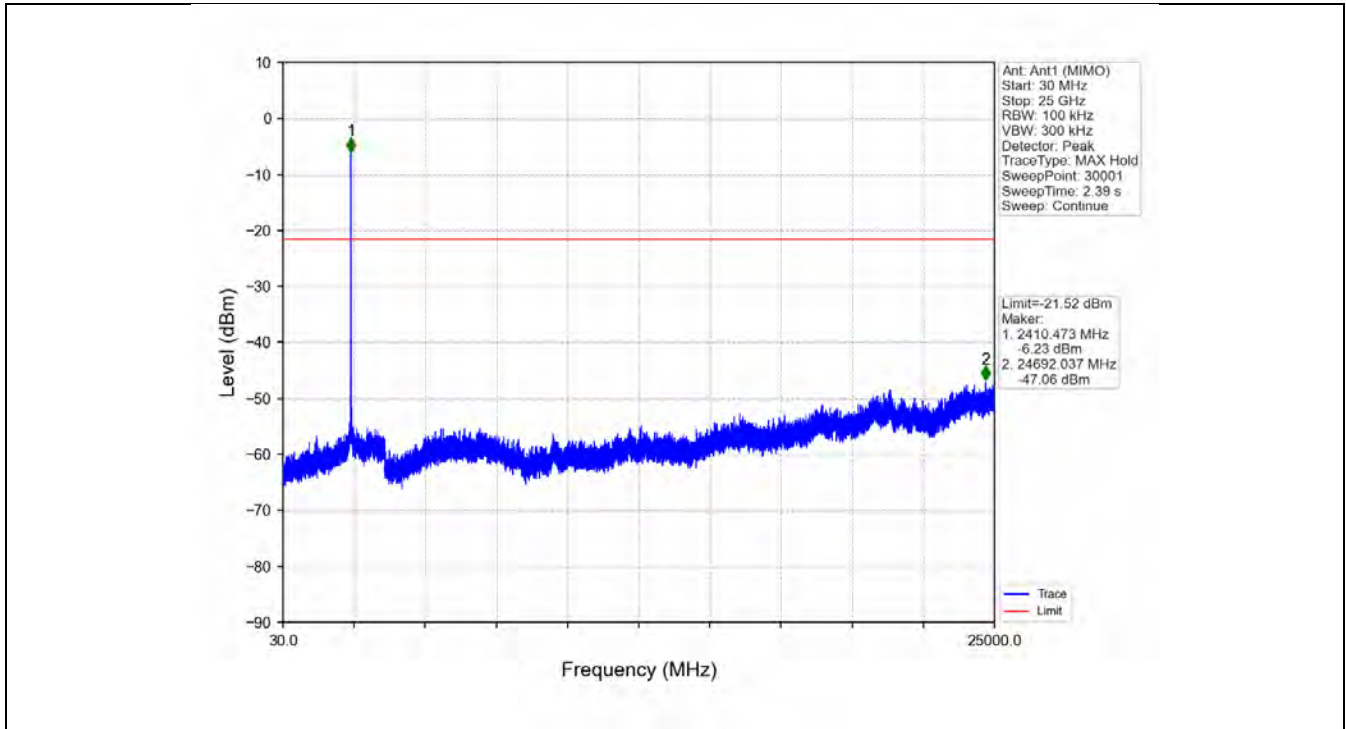
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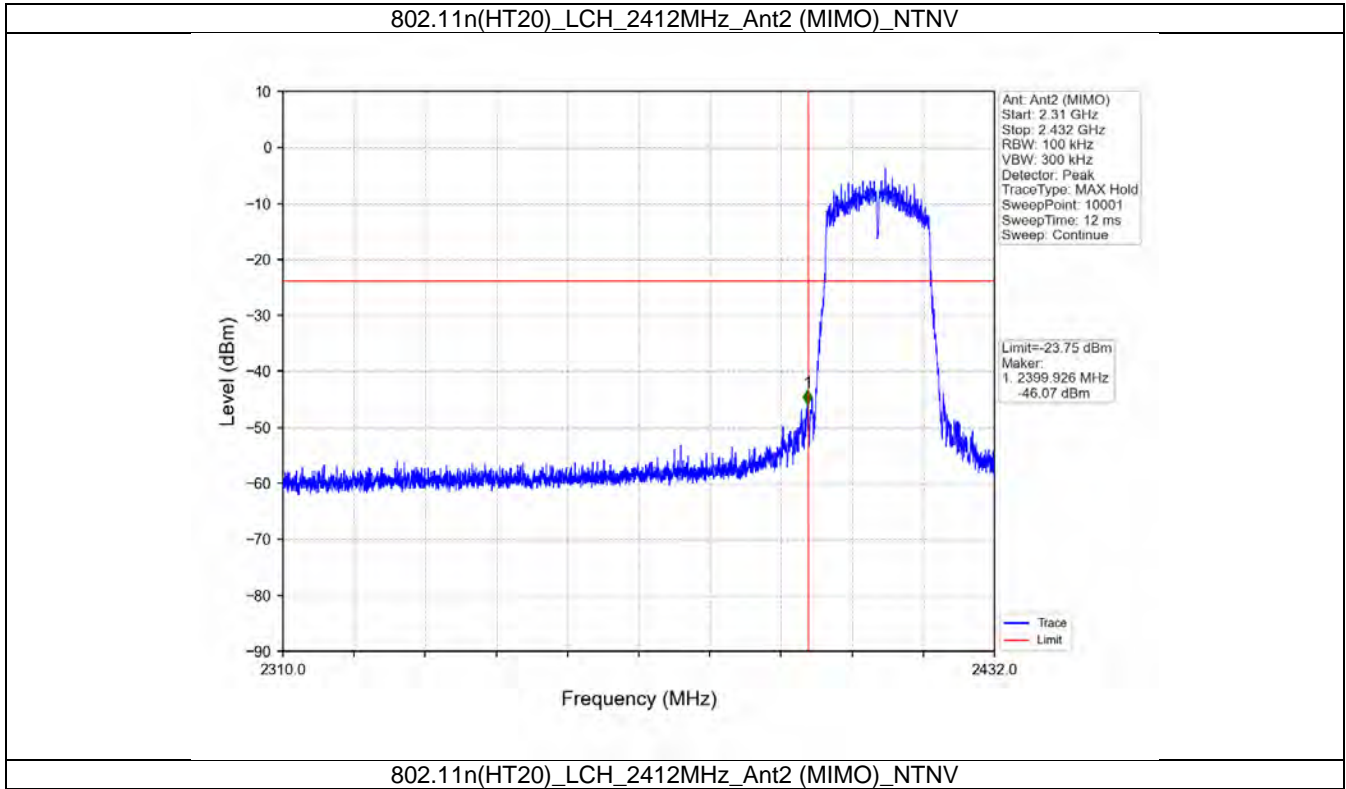
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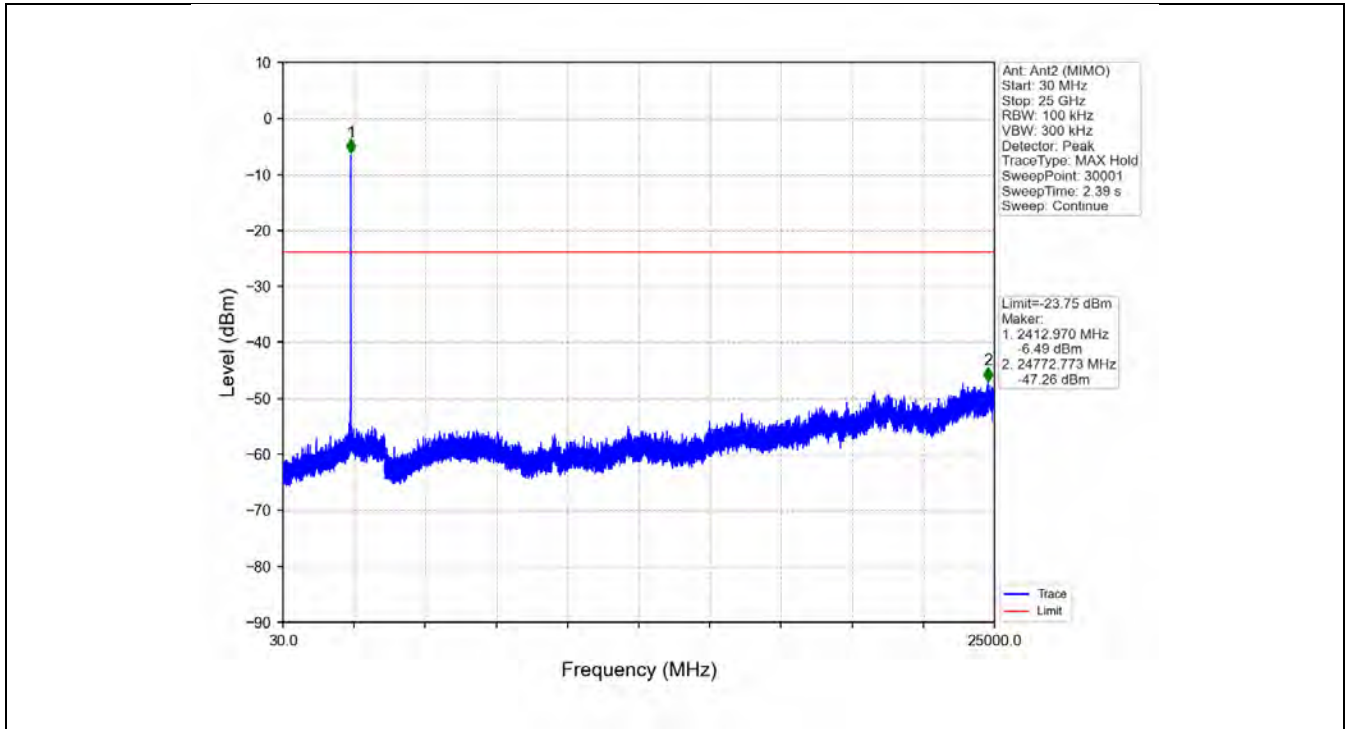
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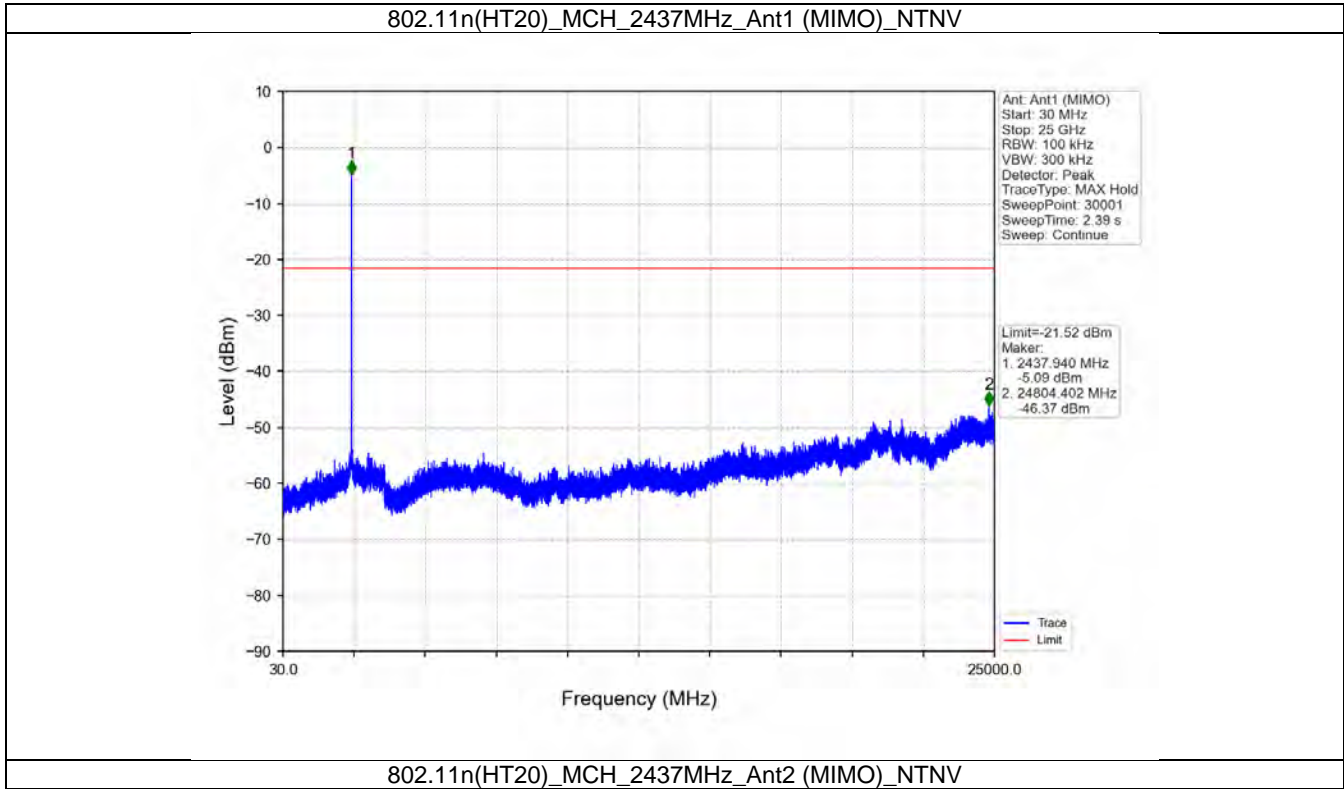
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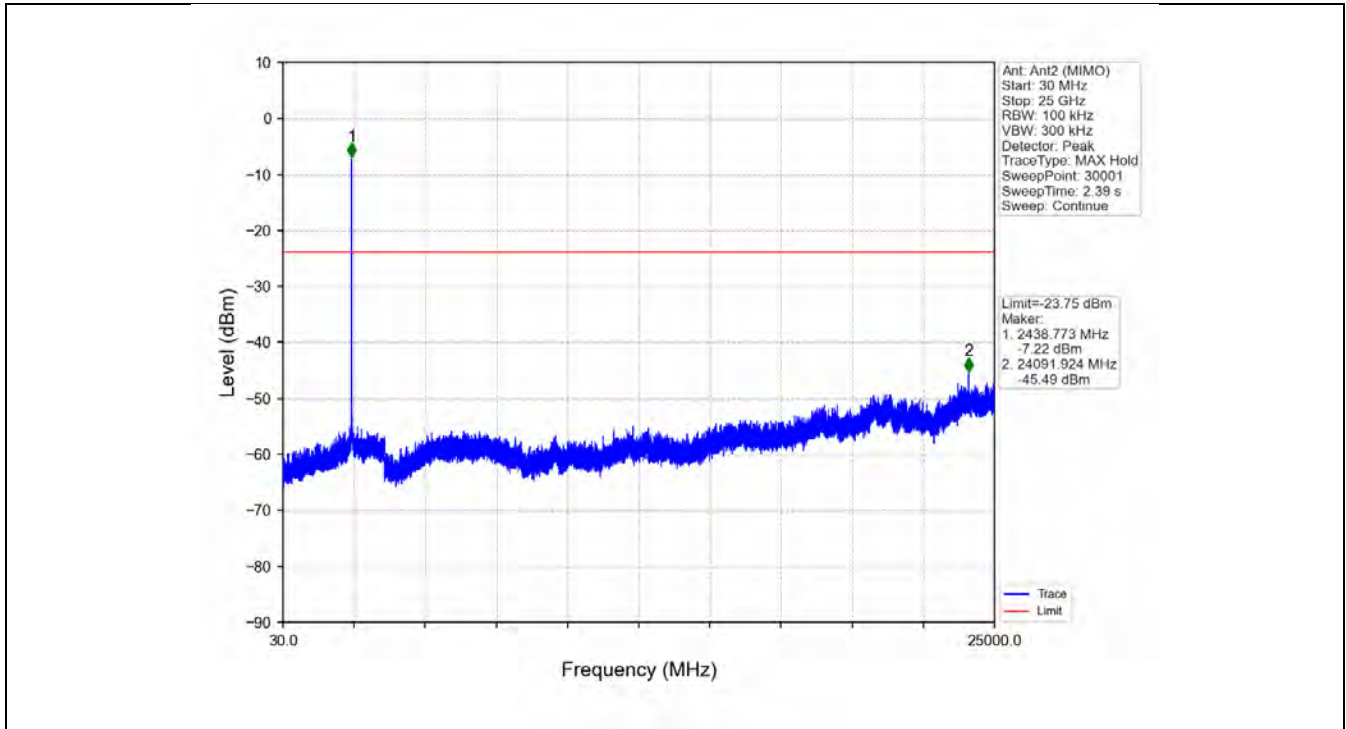
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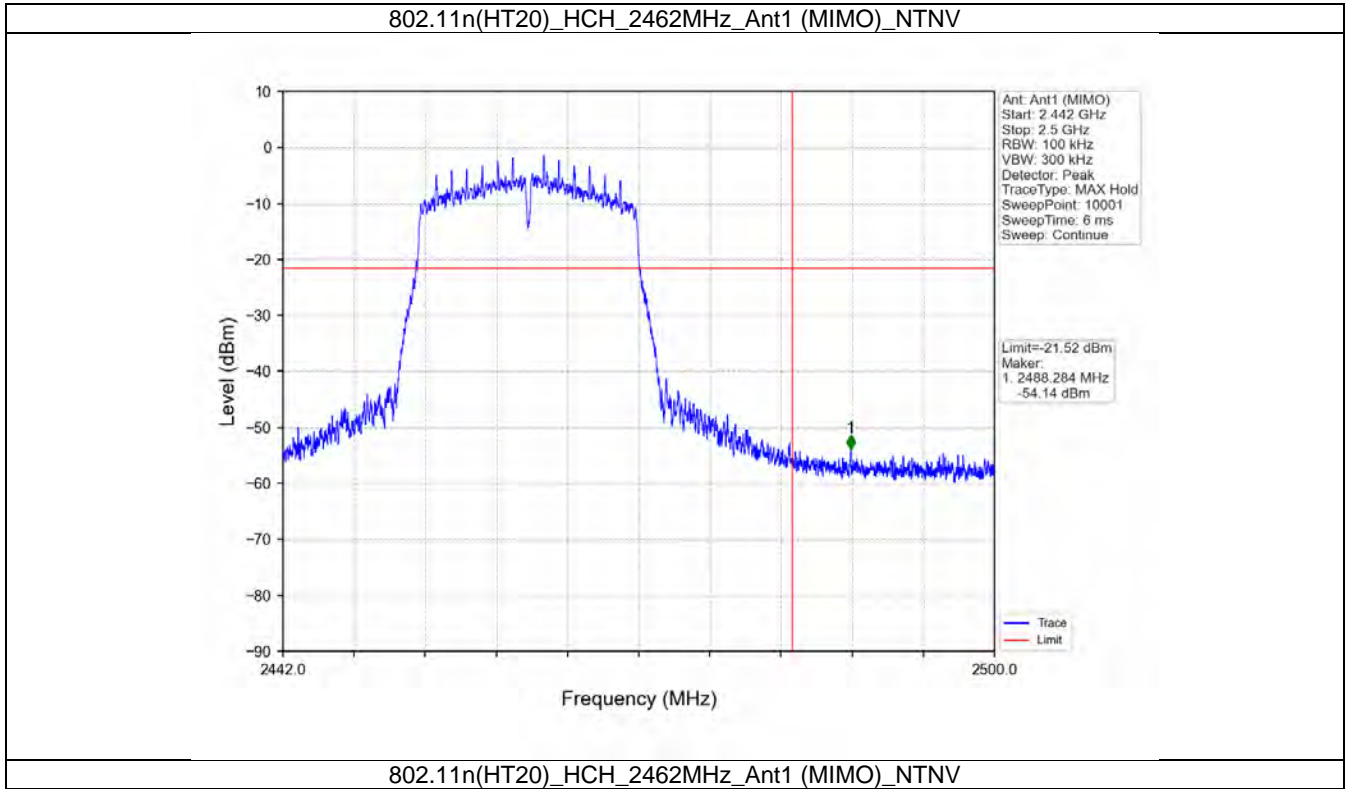
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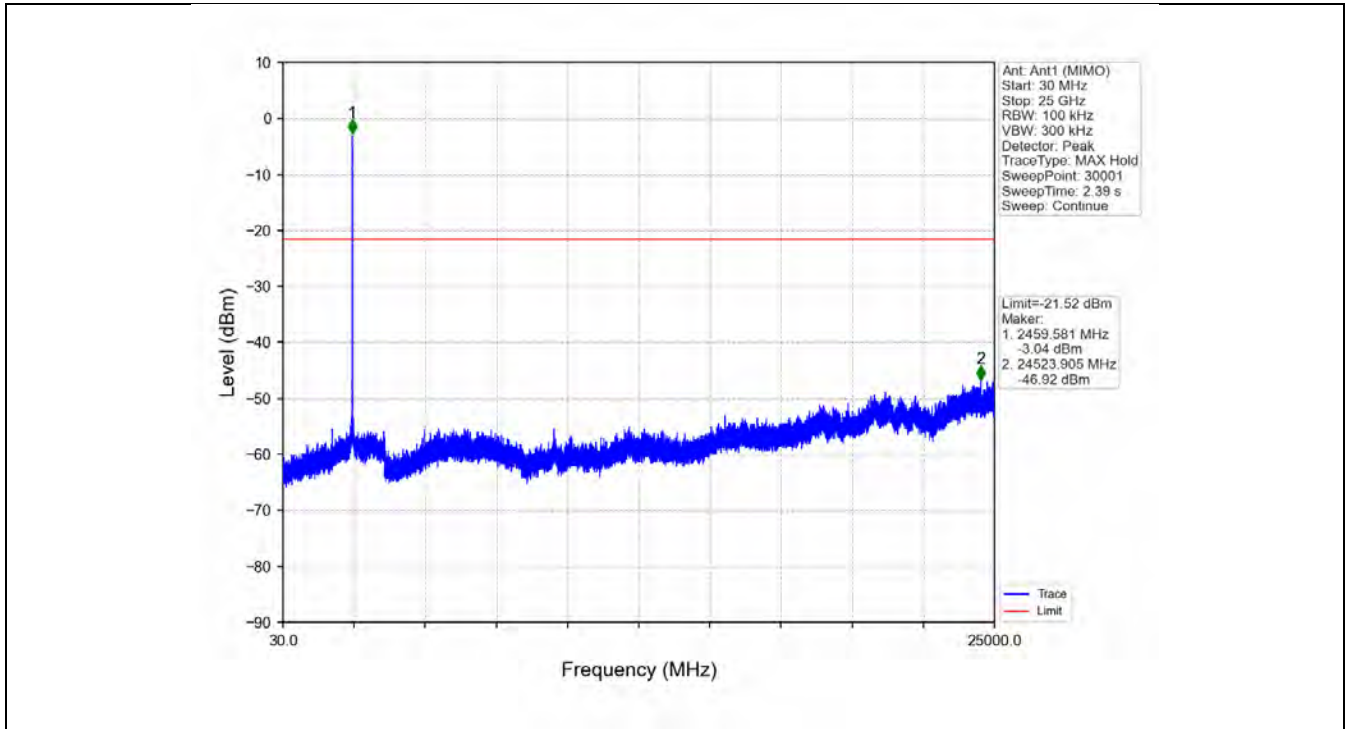
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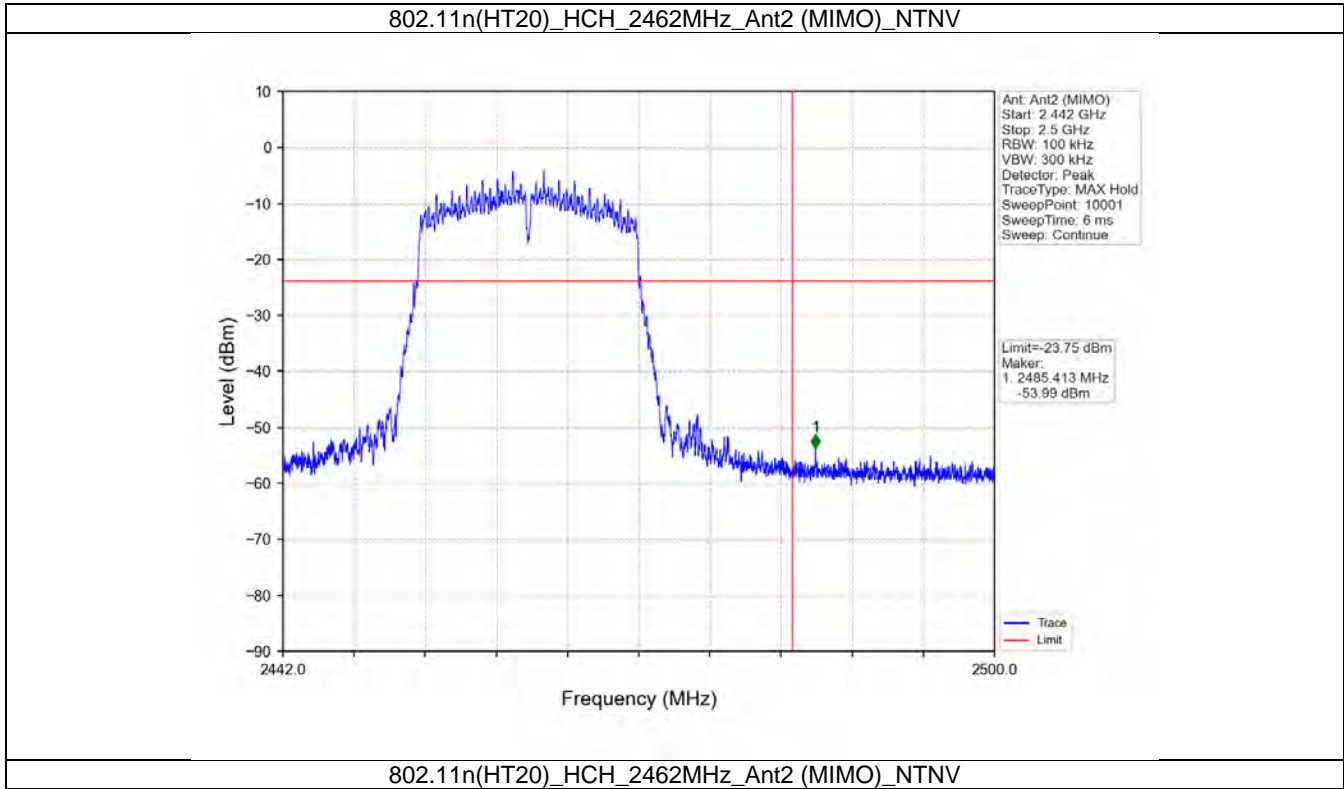
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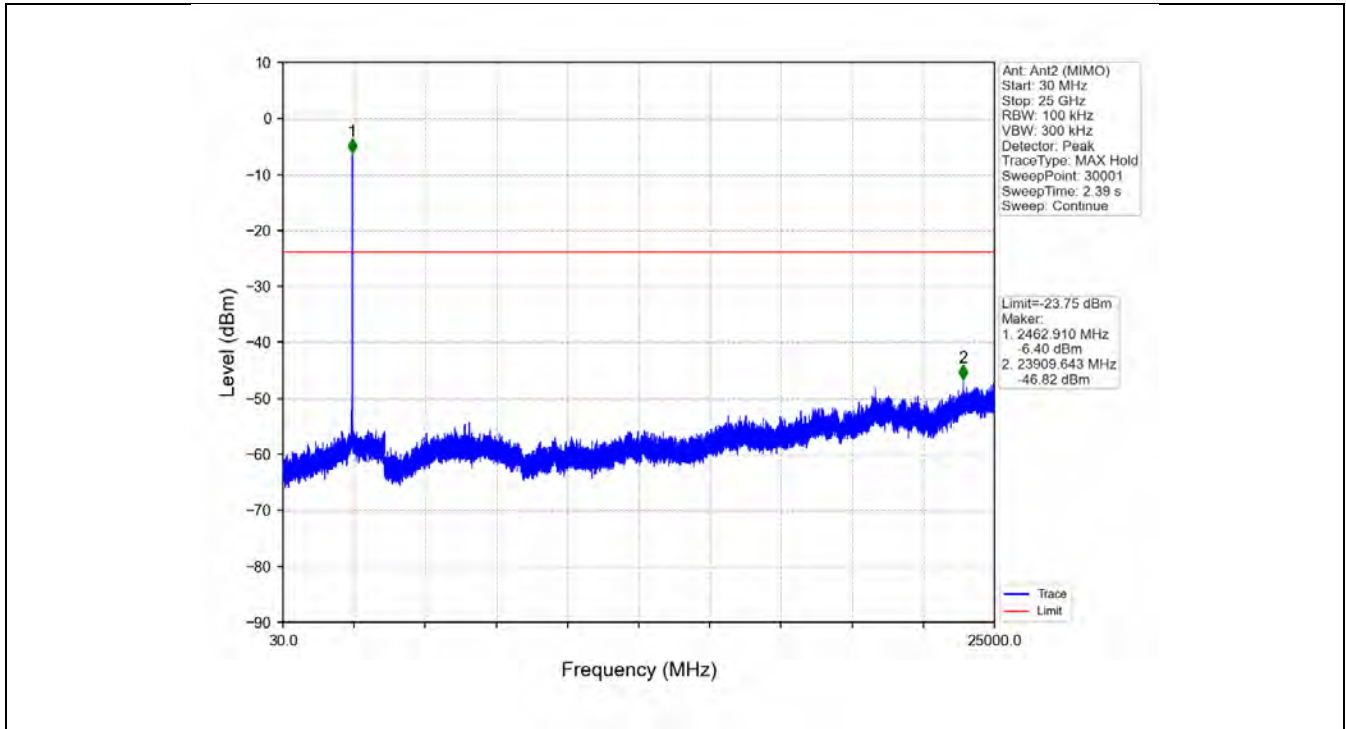
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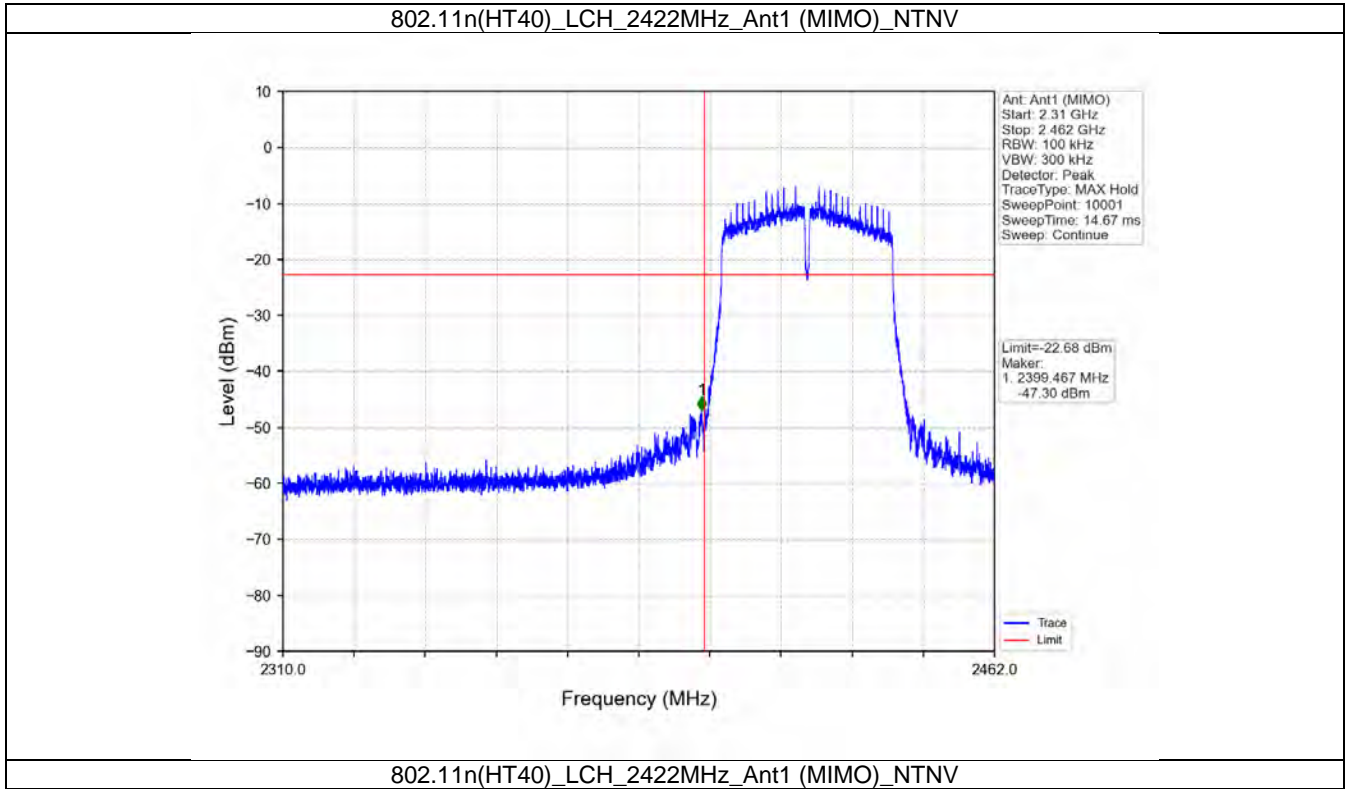
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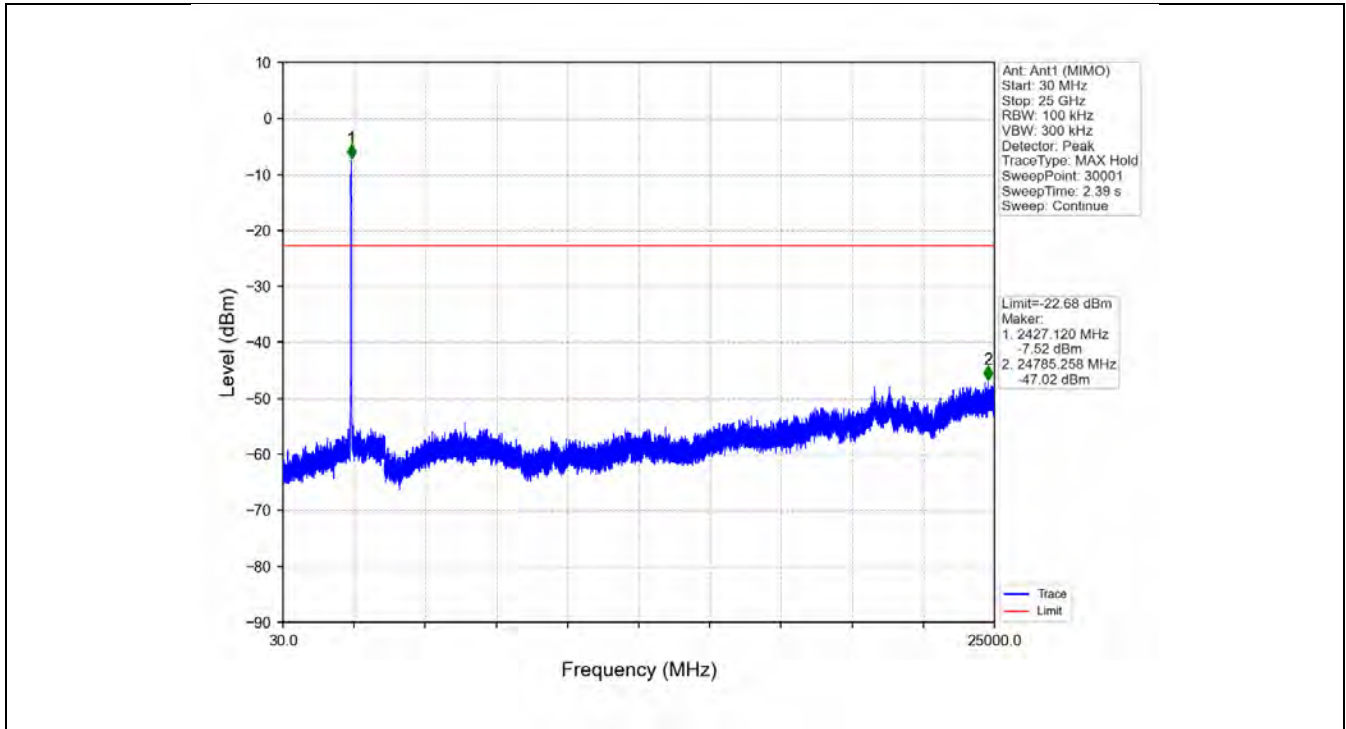
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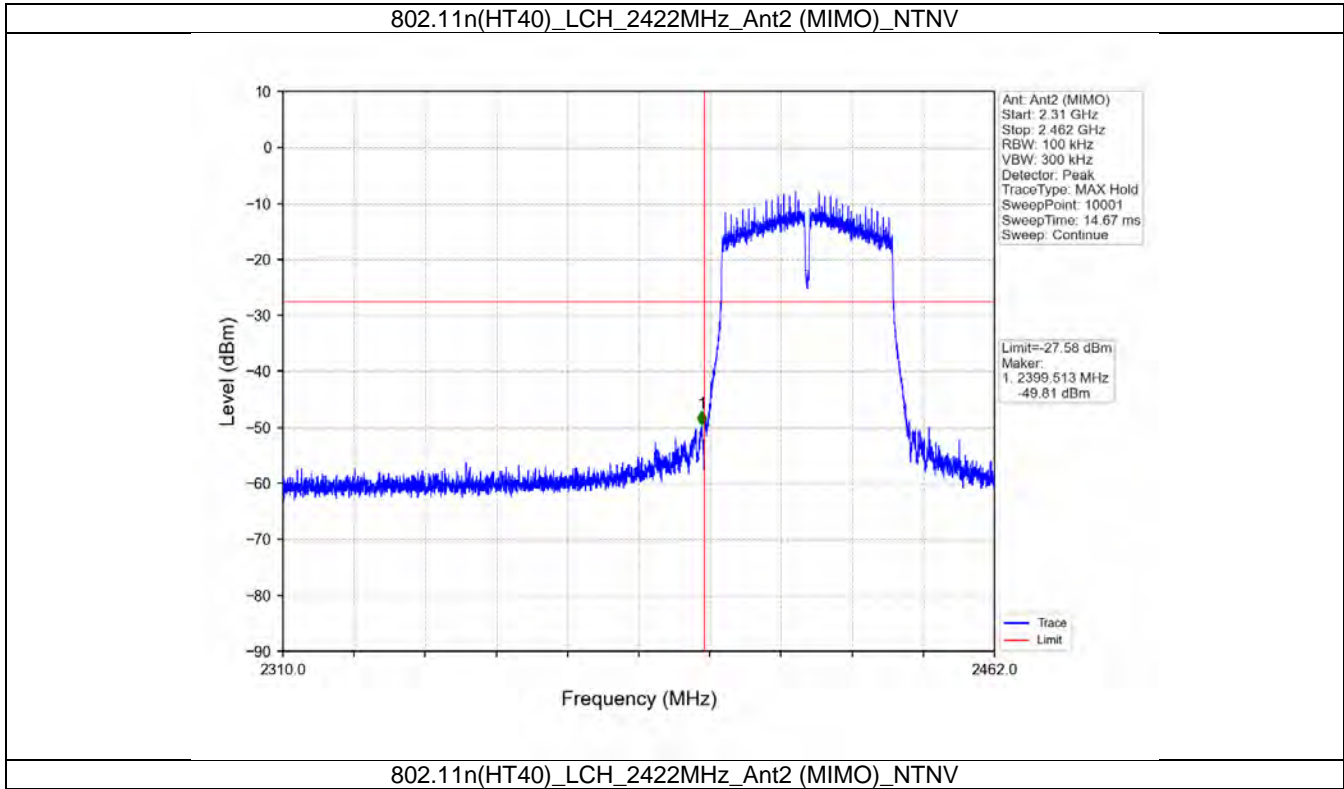
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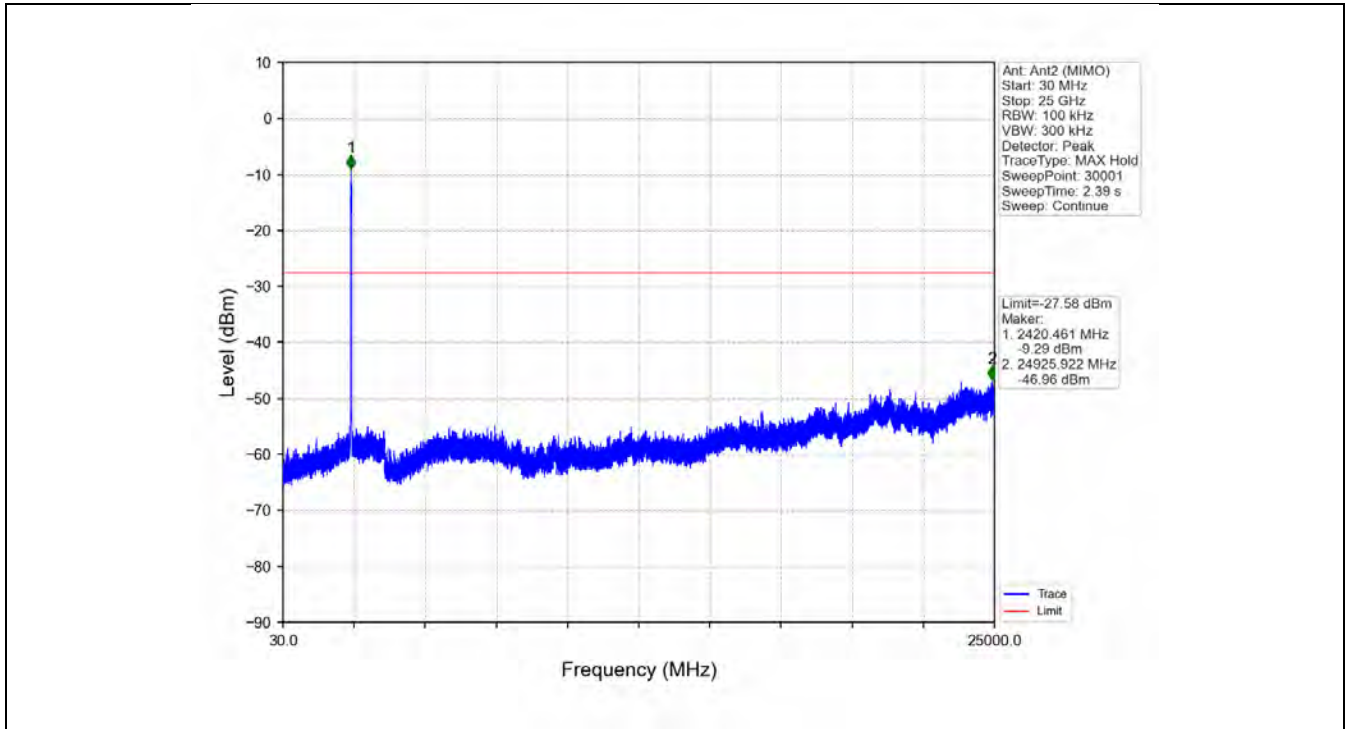
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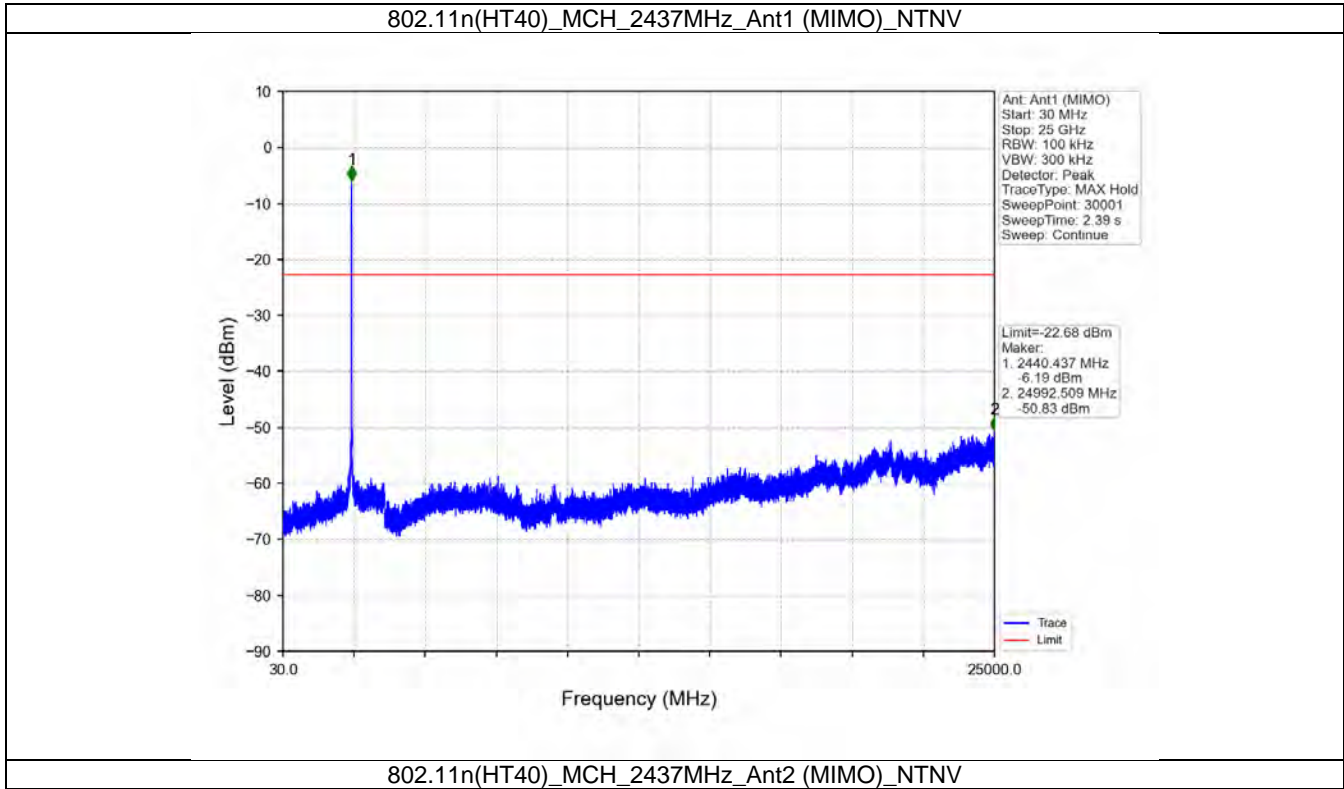
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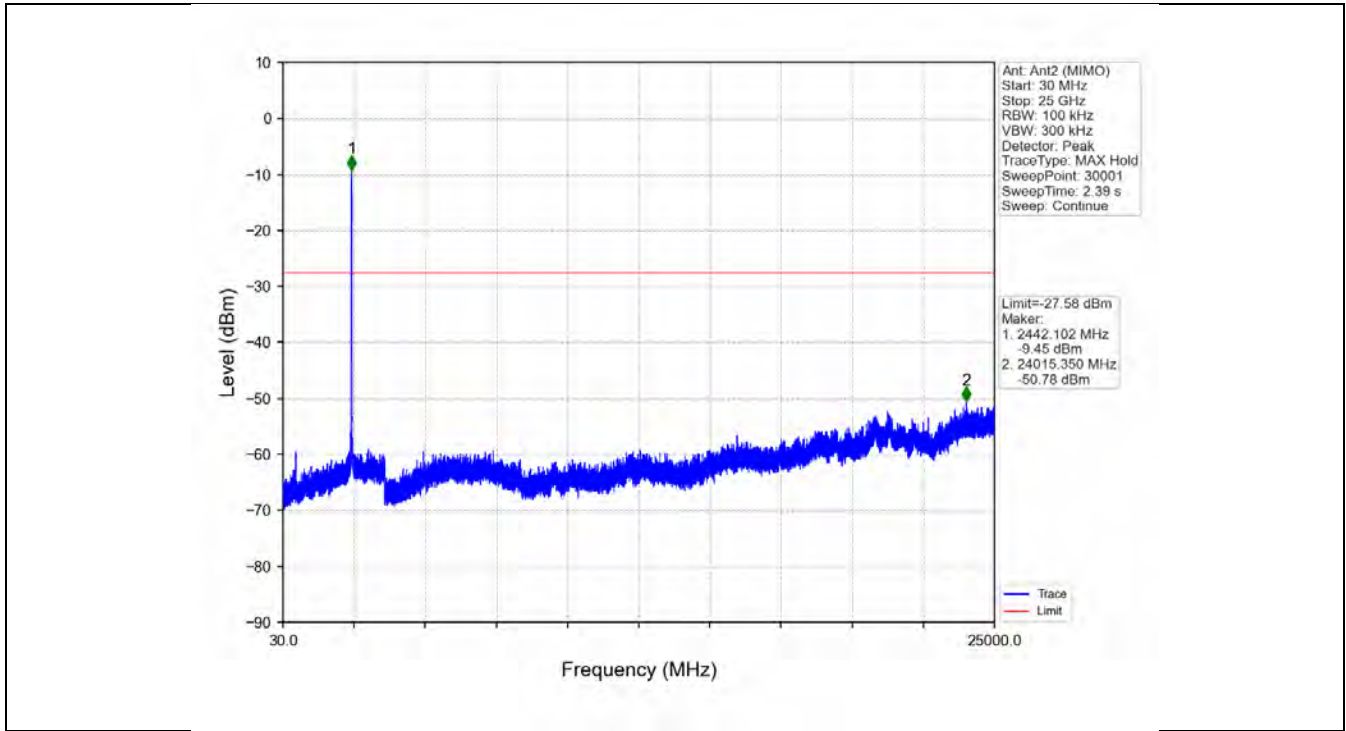
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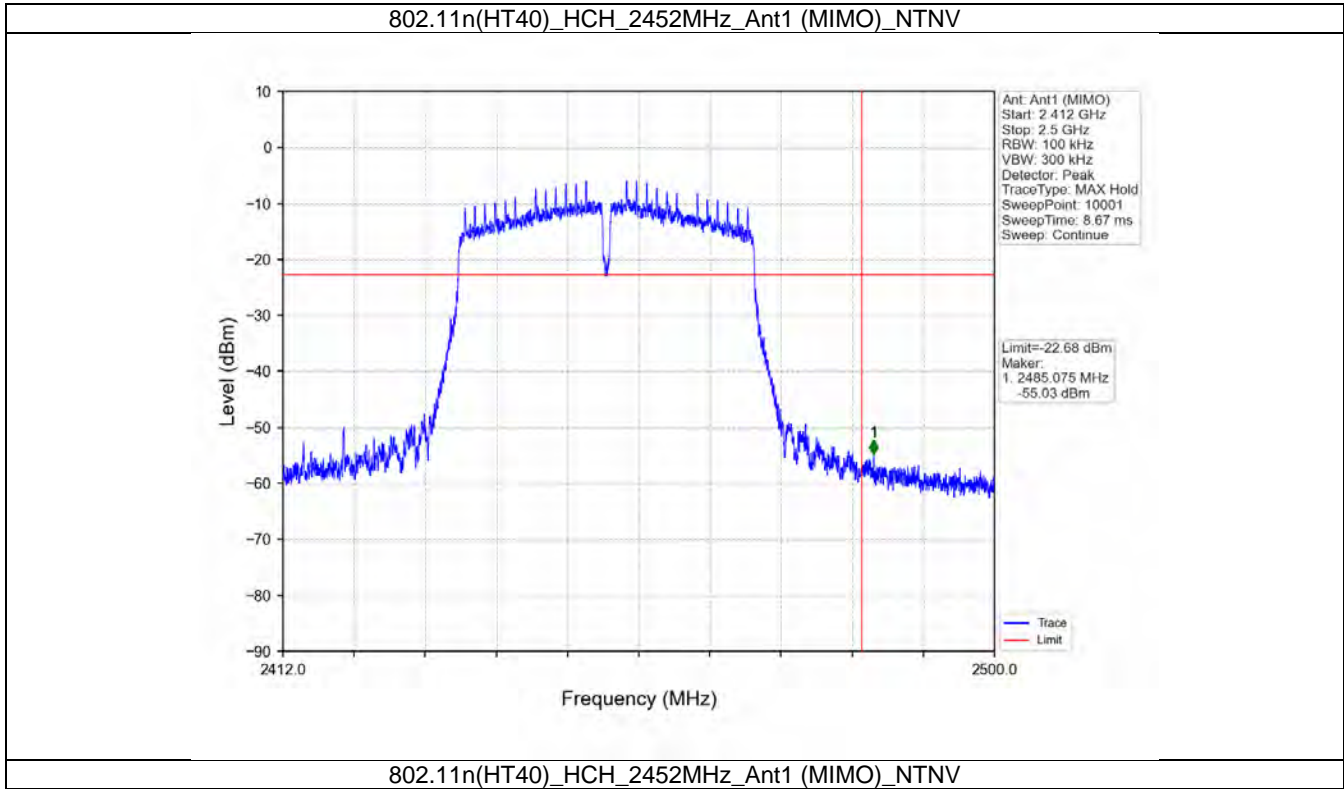
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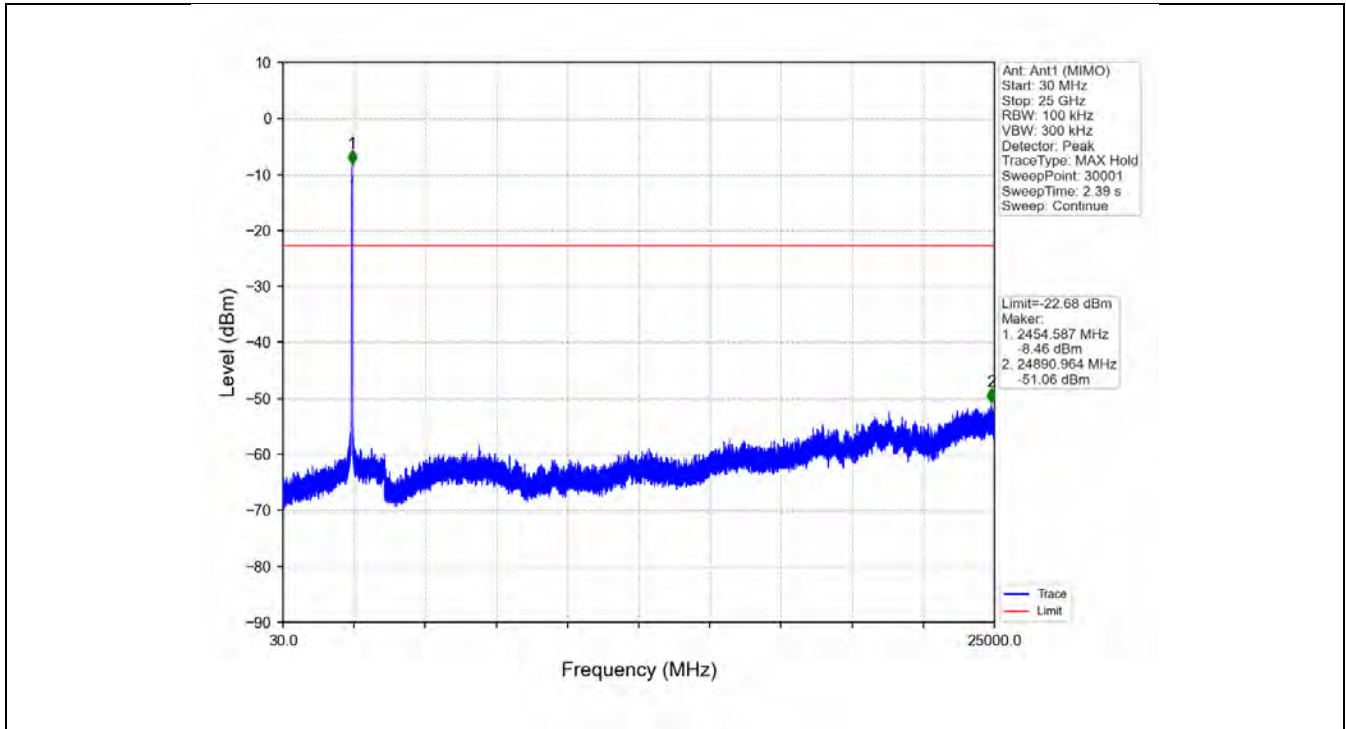
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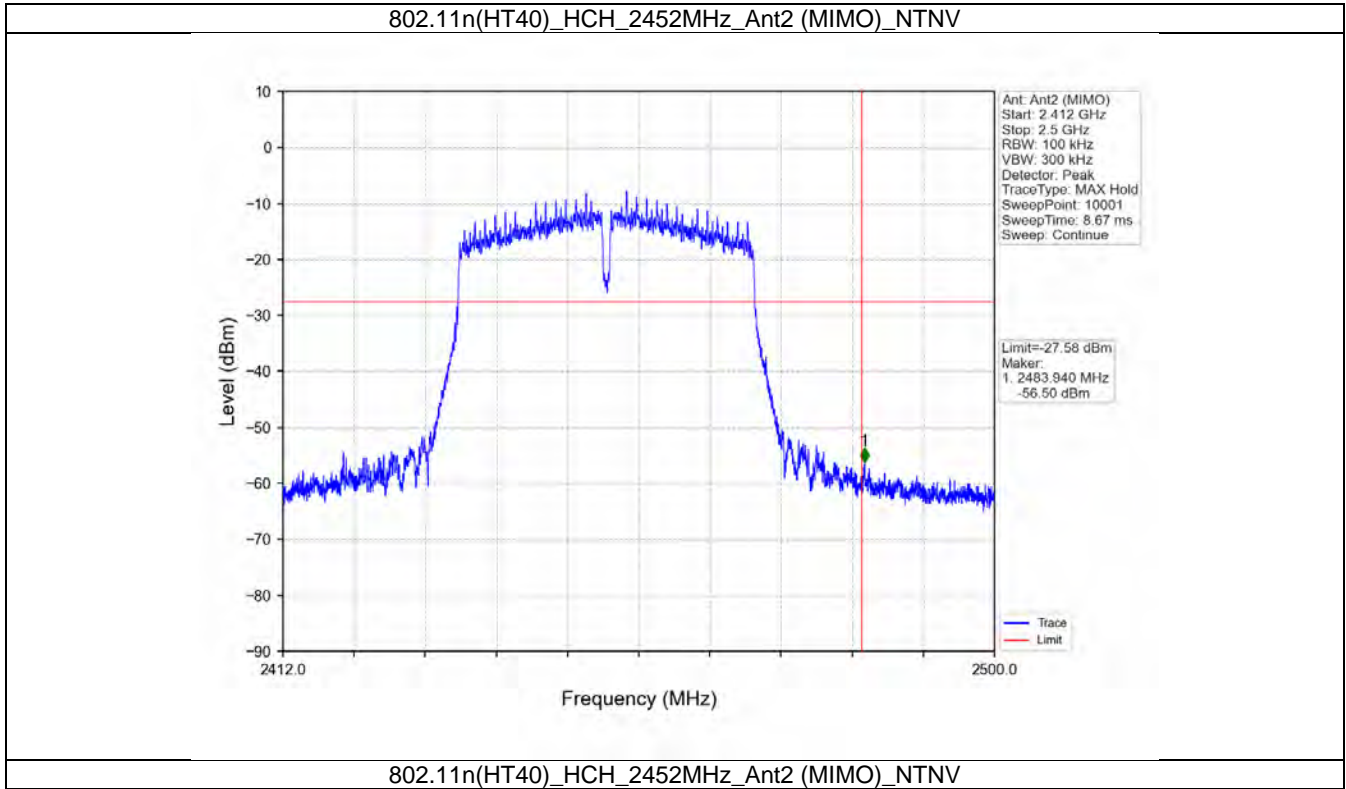
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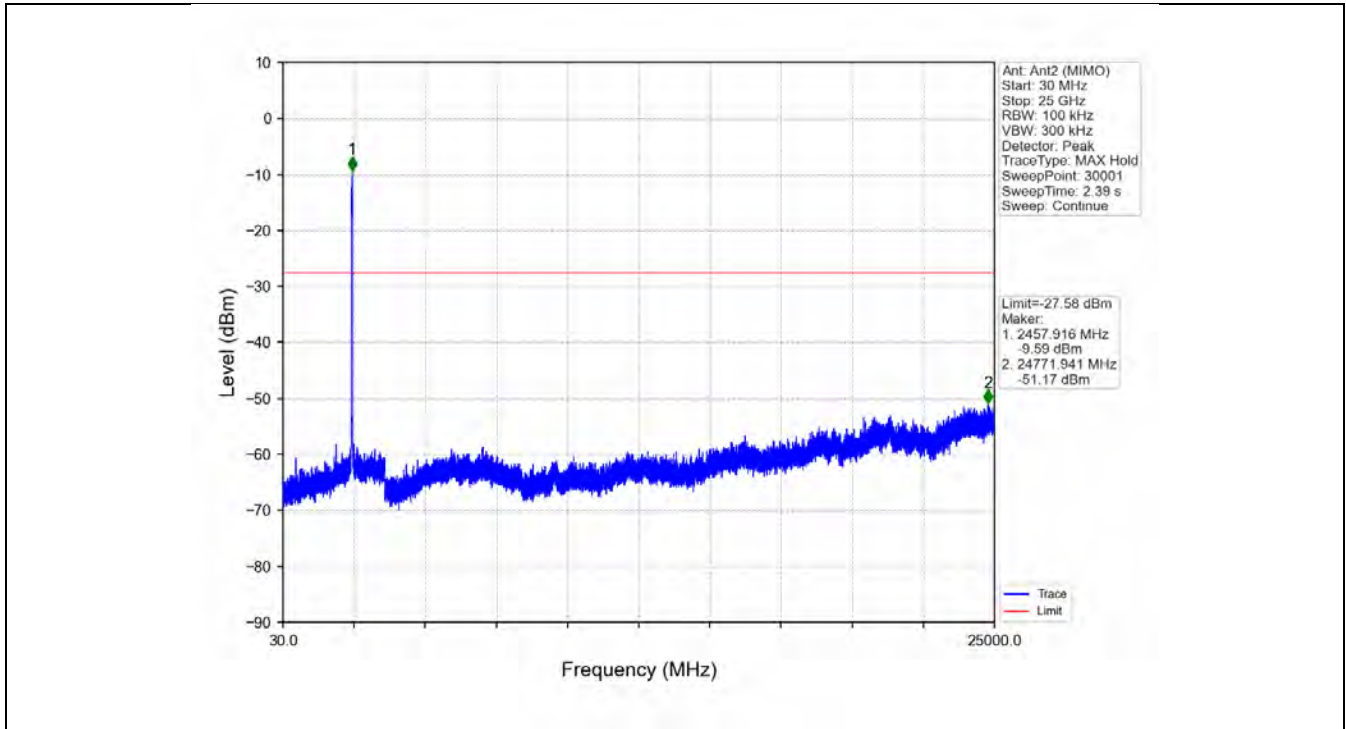
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