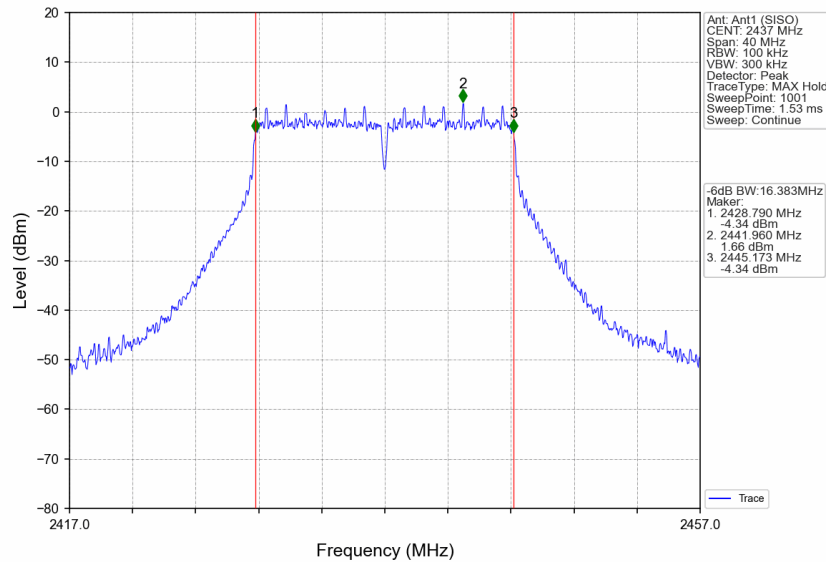
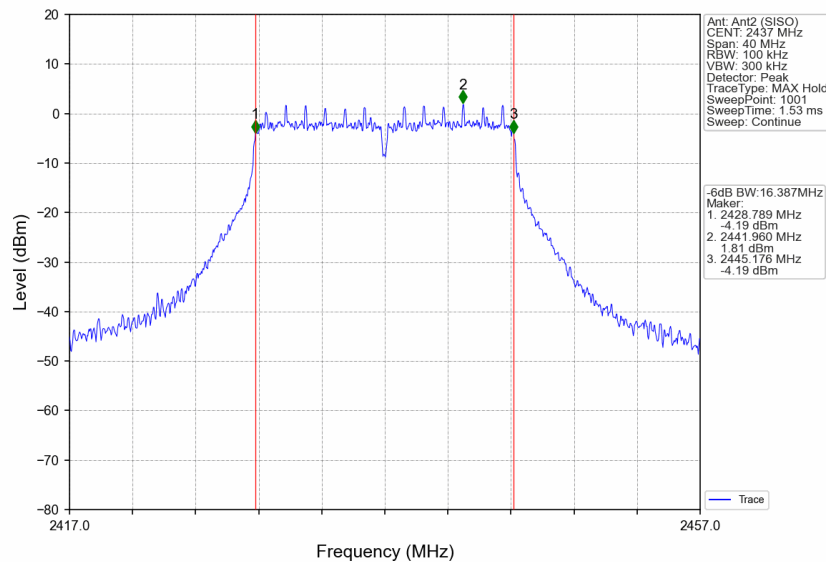


802.11g MCH 2437MHz Ant1 (SISO) NTN



802.11g MCH 2437MHz Ant2 (SISO) NTN



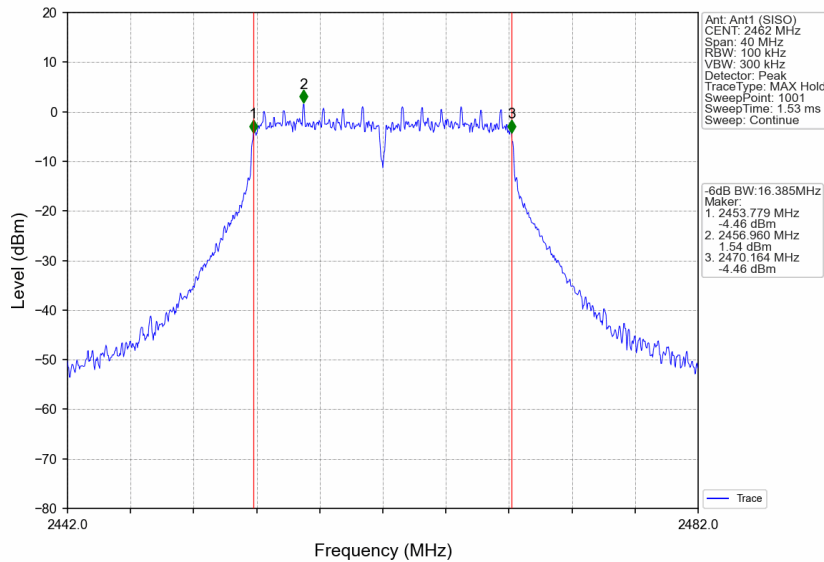
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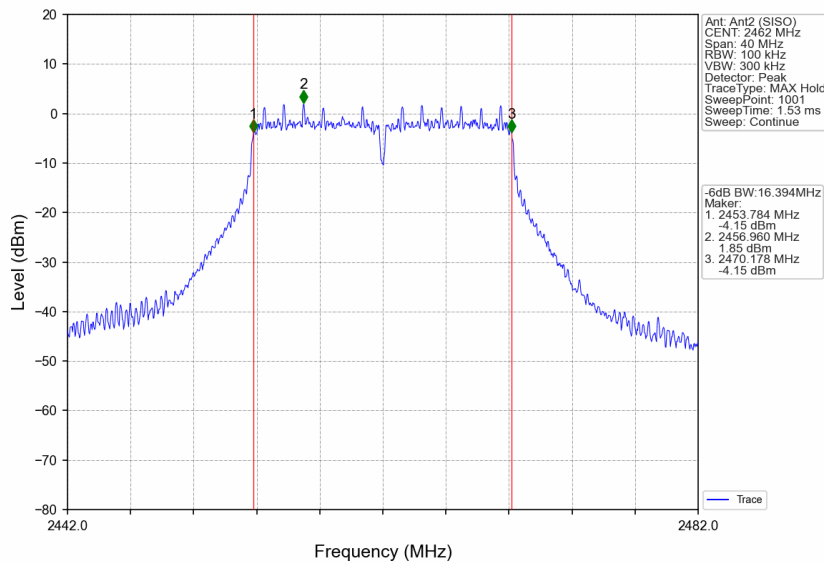
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802.11g HCH 2462MHz Ant1 (SISO) NTNv



802.11g HCH 2462MHz Ant2 (SISO) NTNv



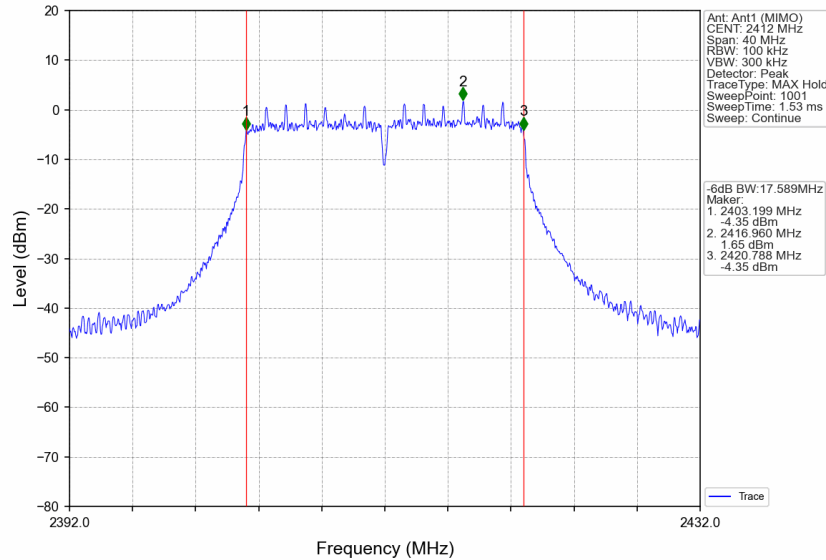
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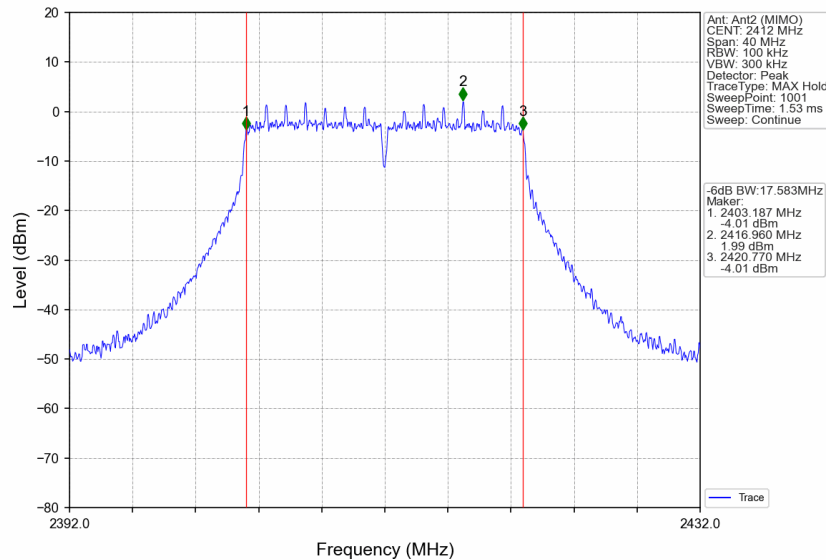
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802.11n(HT20) LCH 2412MHz Ant1 (MIMO) NTNV



802.11n(HT20) LCH 2412MHz Ant2 (MIMO) NTNV



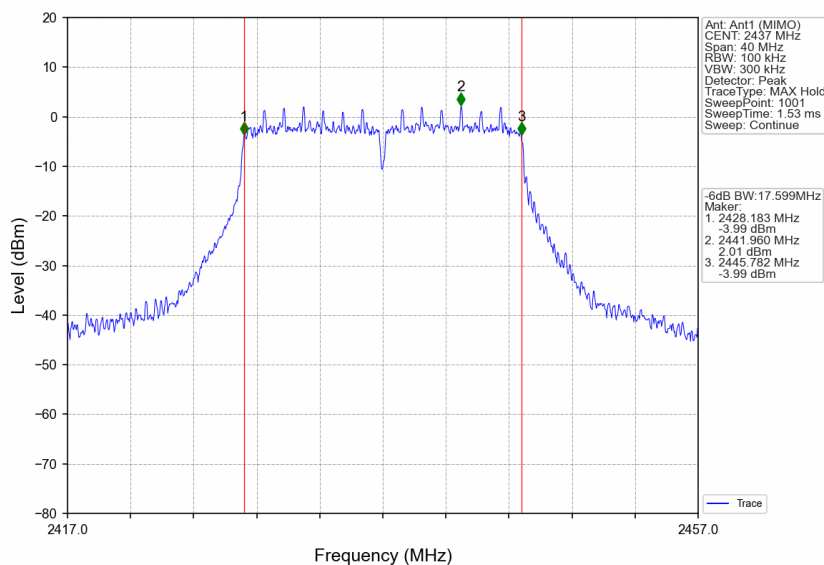
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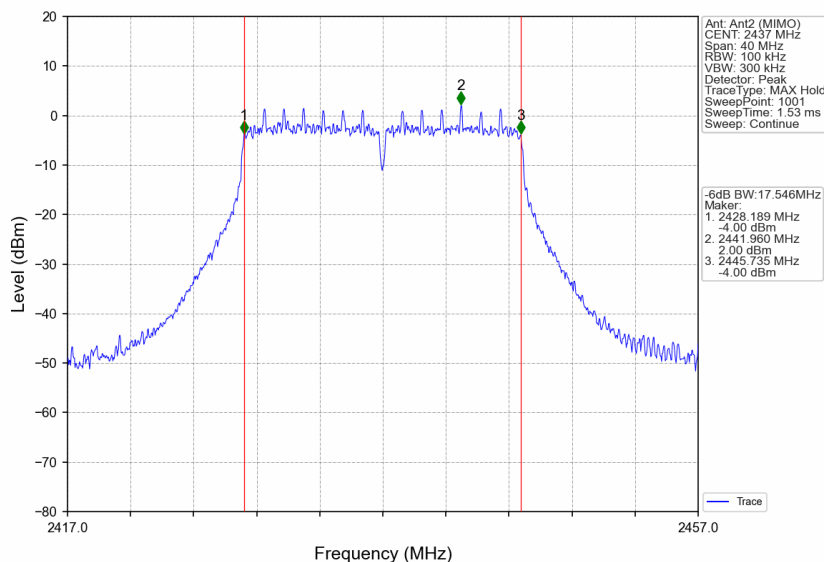
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802.11n(HT20) MCH 2437MHz Ant1 (MIMO) NTN



802.11n(HT20) MCH 2437MHz Ant2 (MIMO) NTN



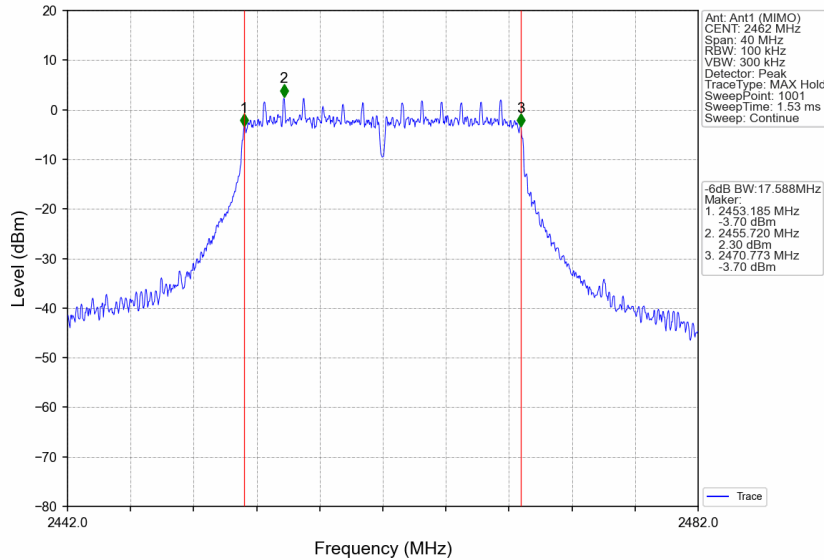
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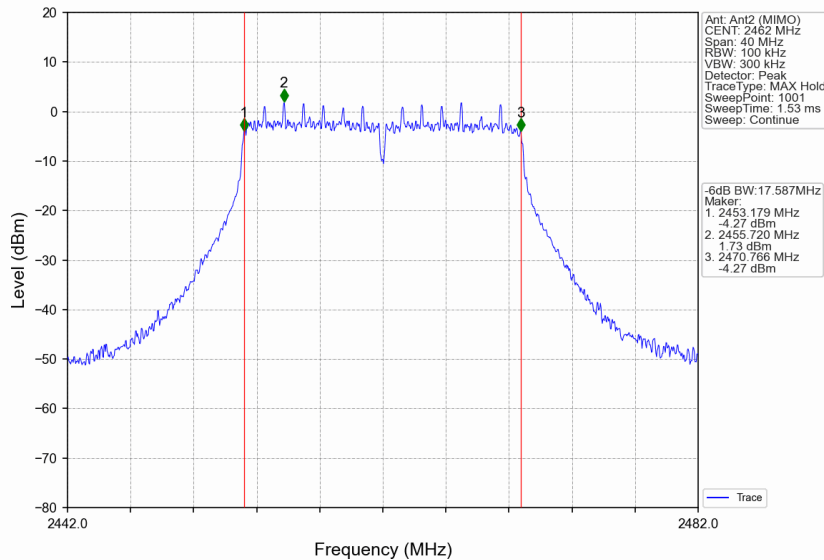
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802.11n(HT20) HCH 2462MHz Ant2 (MIMO) NTN



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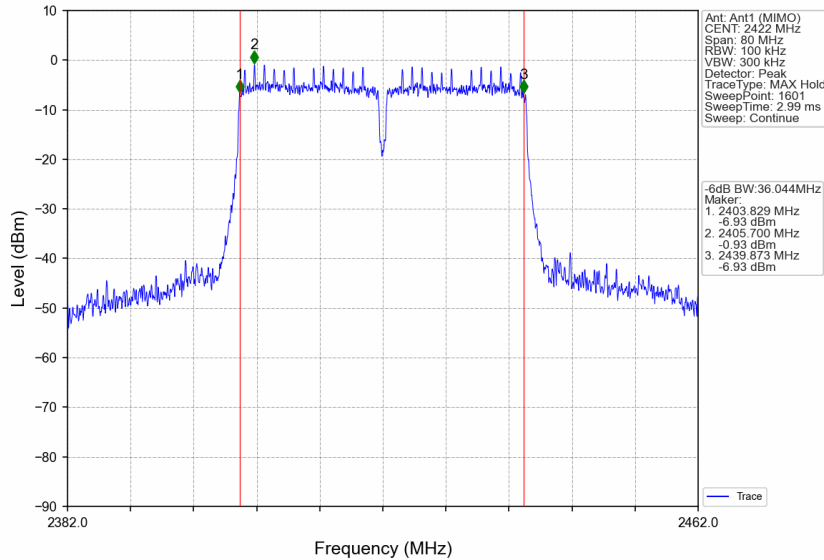
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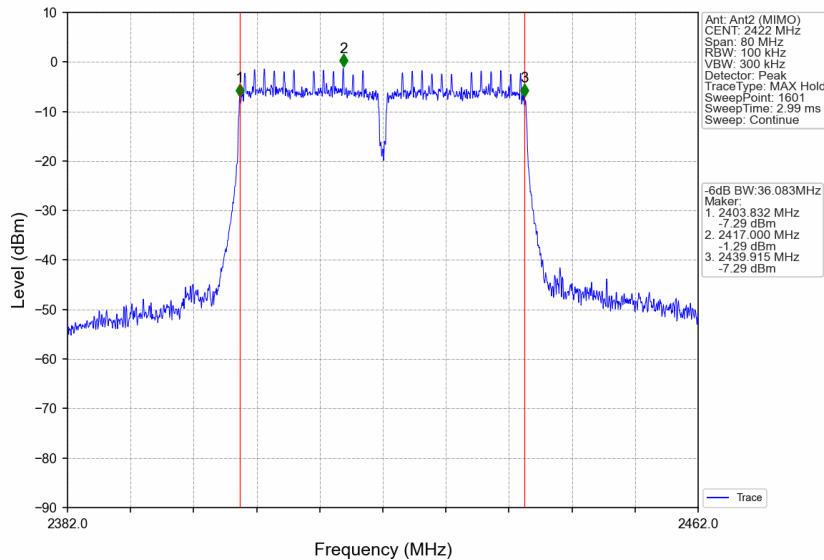
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802.11n(HT40) LCH 2422MHz Ant1 (MIMO) NTNV



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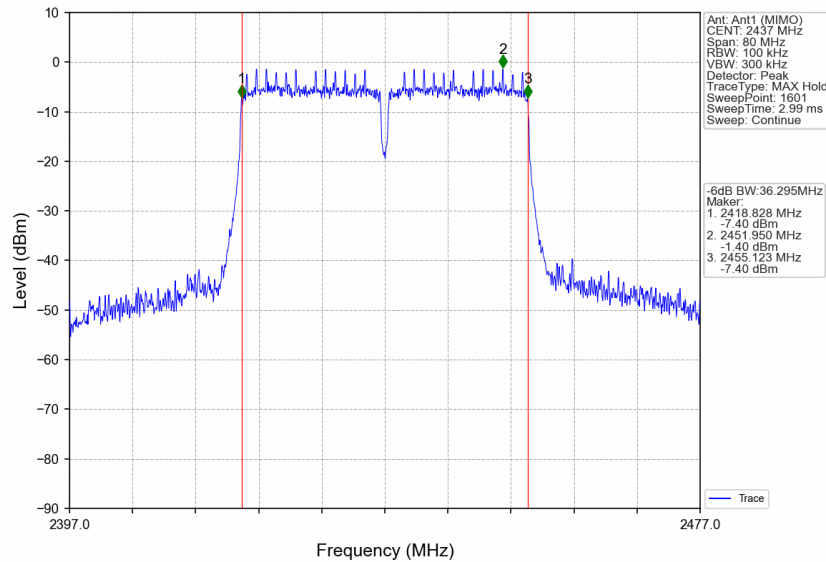
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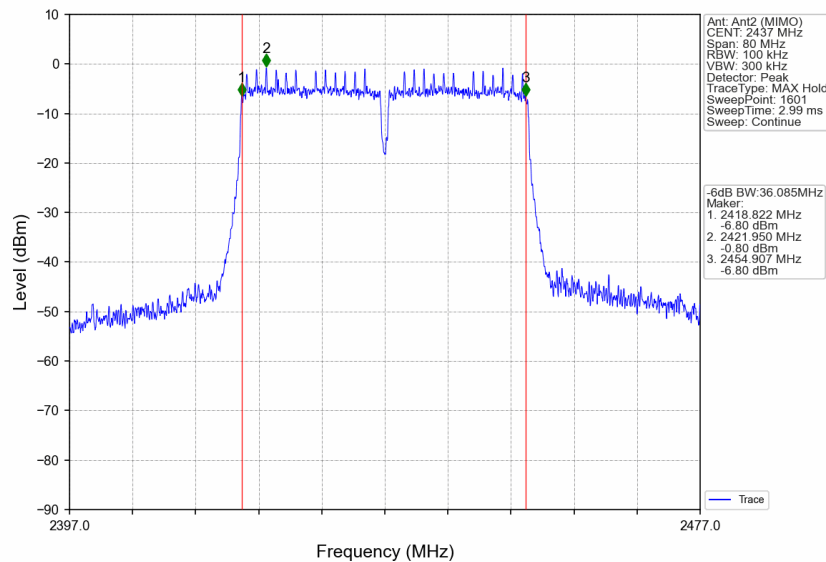
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802.11n(HT40) MCH 2437MHz Ant1 (MIMO) NTN



802.11n(HT40) MCH 2437MHz Ant2 (MIMO) NTN



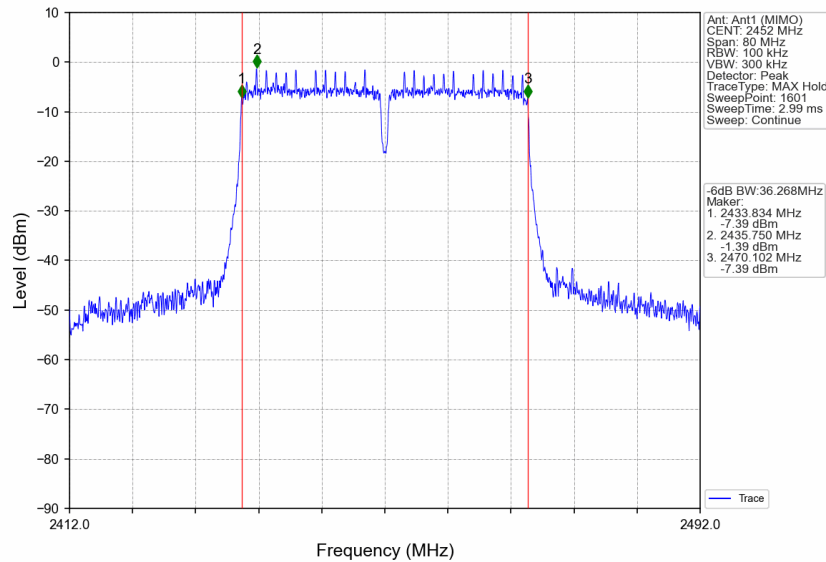
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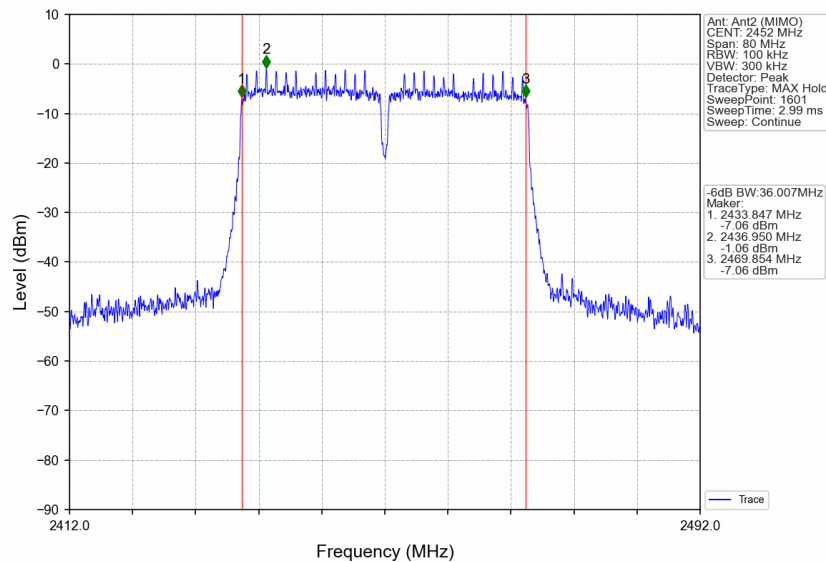
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802.11n(HT40) HCH 2452MHz Ant1 (MIMO) NTN



802.11n(HT40) HCH 2452MHz Ant2 (MIMO) NTN



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Report No.: KSCR221000192101

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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	14.06	13.69	/	<=30	Pass
		2437	13.83	14.14	/	<=30	Pass
		2462	13.78	13.62	/	<=30	Pass
802.11g	SISO	2412	12.97	12.98	/	<=30	Pass
		2437	13.03	13.09	/	<=30	Pass
		2462	12.81	13.11	/	<=30	Pass
802.11n (HT20)	MIMO	2412	12.73	12.91	15.83	<=29.18	Pass
		2437	13.35	12.92	16.15	<=29.18	Pass
		2462	13.43	12.93	16.20	<=29.18	Pass
802.11n (HT40)	MIMO	2422	13.13	12.74	15.95	<=29.18	Pass
		2437	12.99	13.31	16.16	<=29.18	Pass
		2452	12.85	12.91	15.89	<=29.18	Pass

Note1: Antenna Gain: Ant1: 3.81dBi; Ant2: 3.81dBi;
Note2: Directional Gain: 6.82dBi

3.1.2 Test Graph

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV

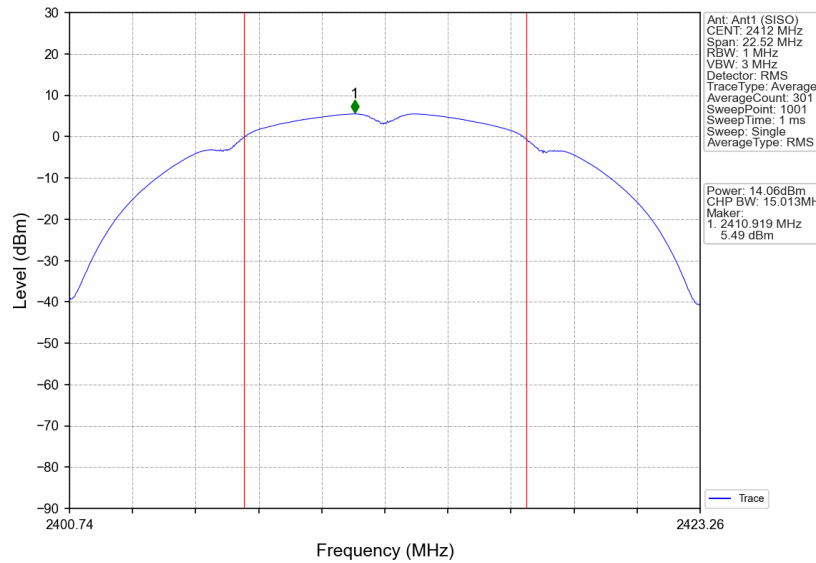


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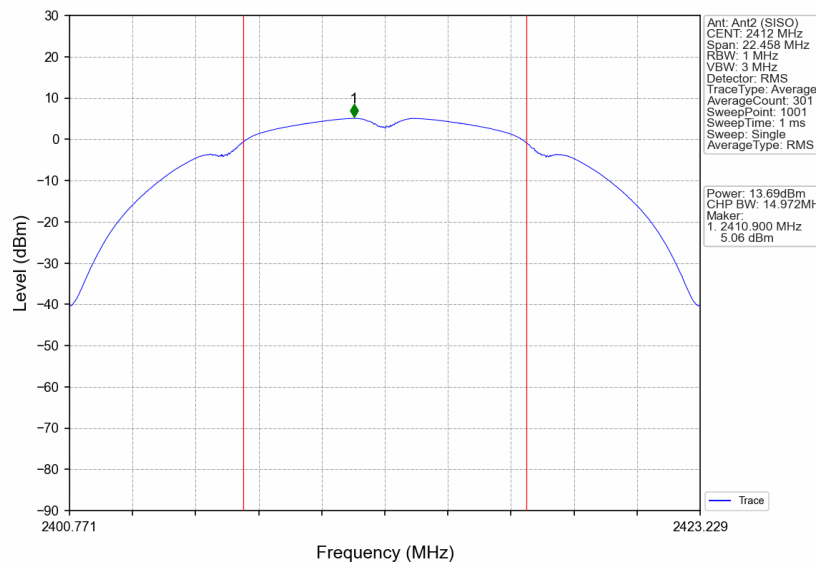
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802.11b LCH 2412MHz Ant2 (SISO) NTNv



802.11b MCH 2437MHz Ant1 (SISO) NTNv

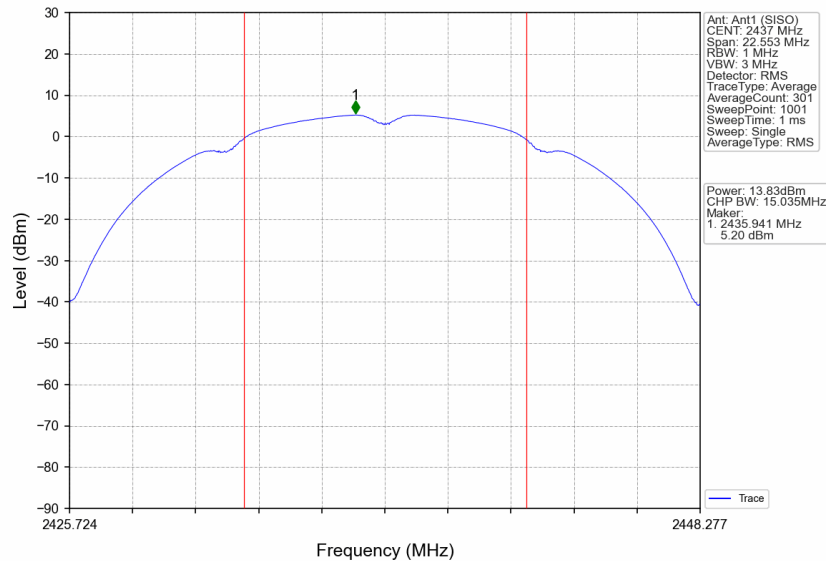


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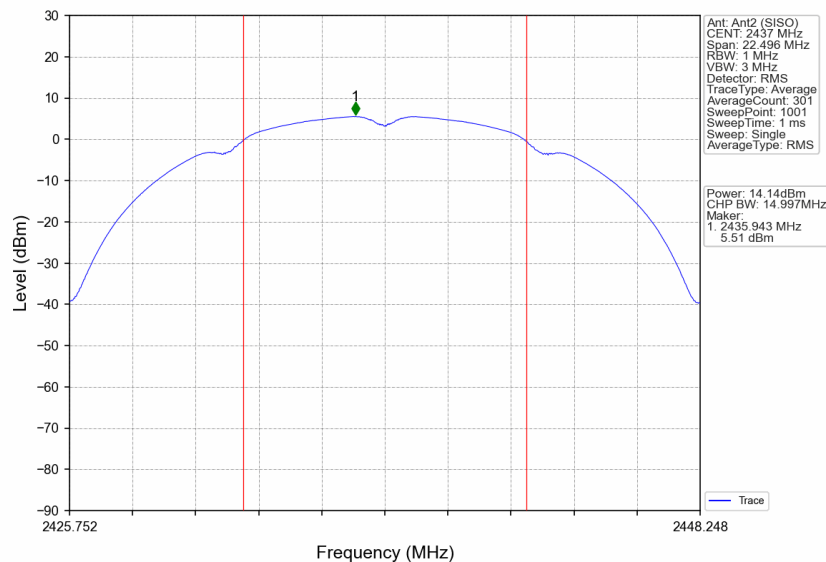
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802.11b HCH 2462MHz Ant1 (SISO) NTN

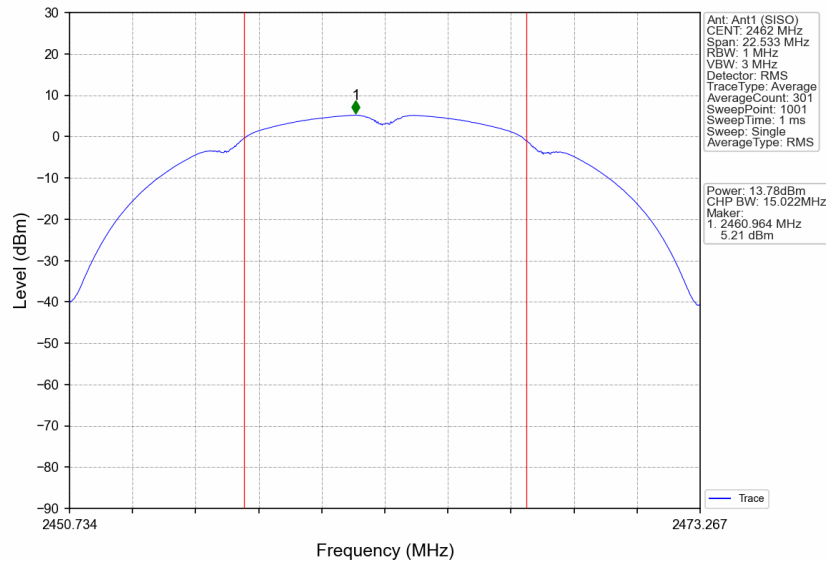


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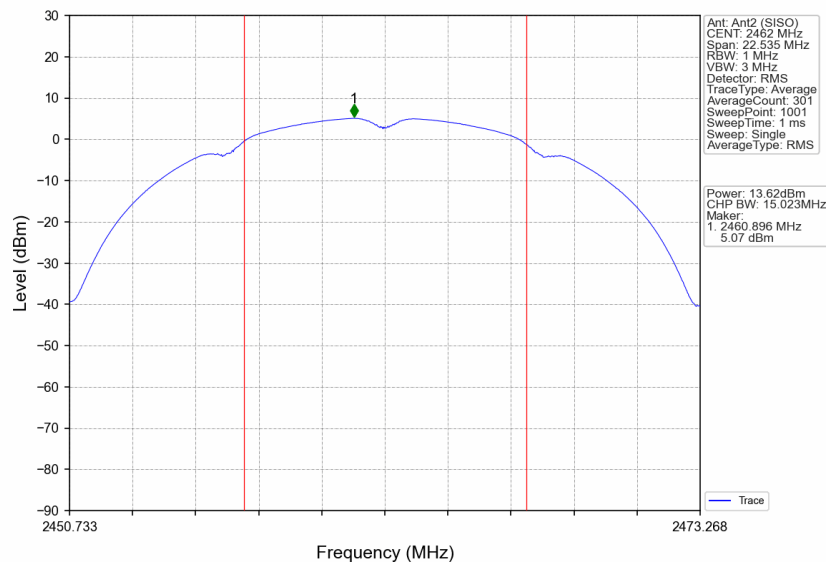
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802.11b HCH 2462MHz Ant2 (SISO) NTNv



802.11g LCH 2412MHz Ant1 (SISO) NTNv



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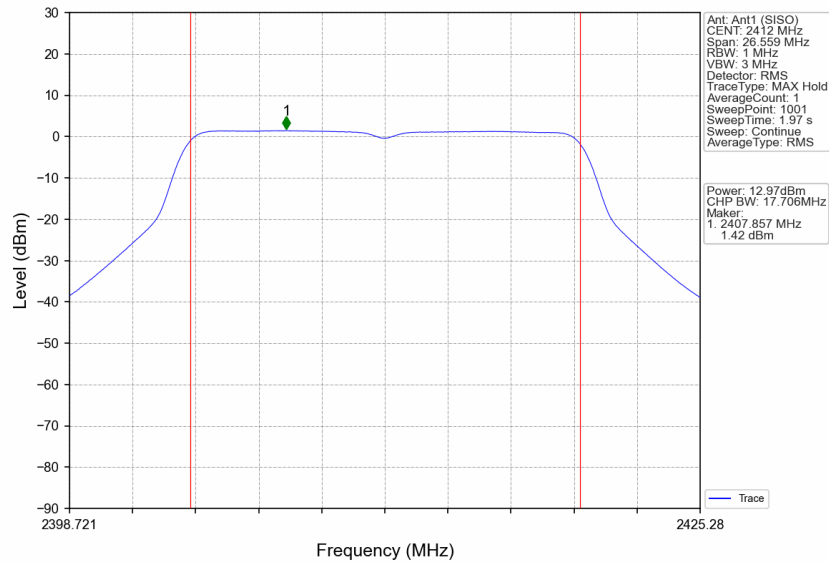
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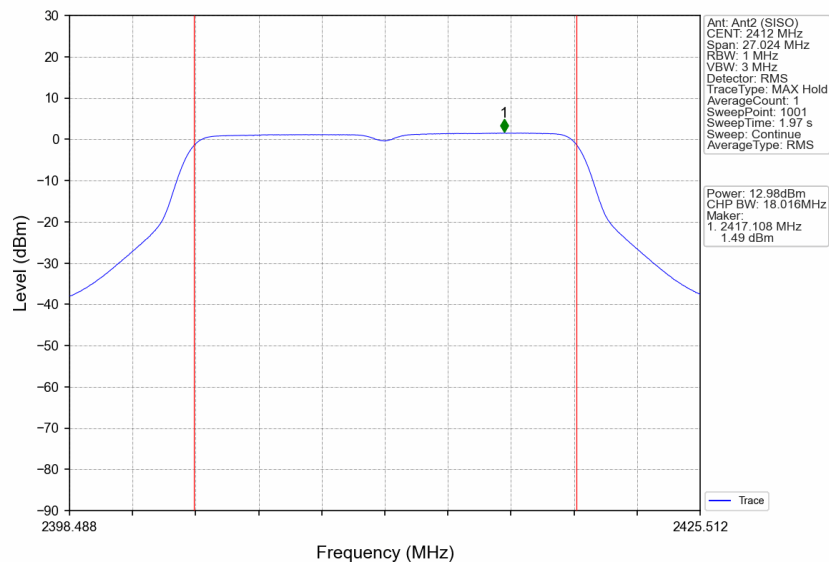
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802.11g LCH 2412MHz Ant2 (SISO) NTNv



802.11g MCH 2437MHz Ant1 (SISO) NTNv



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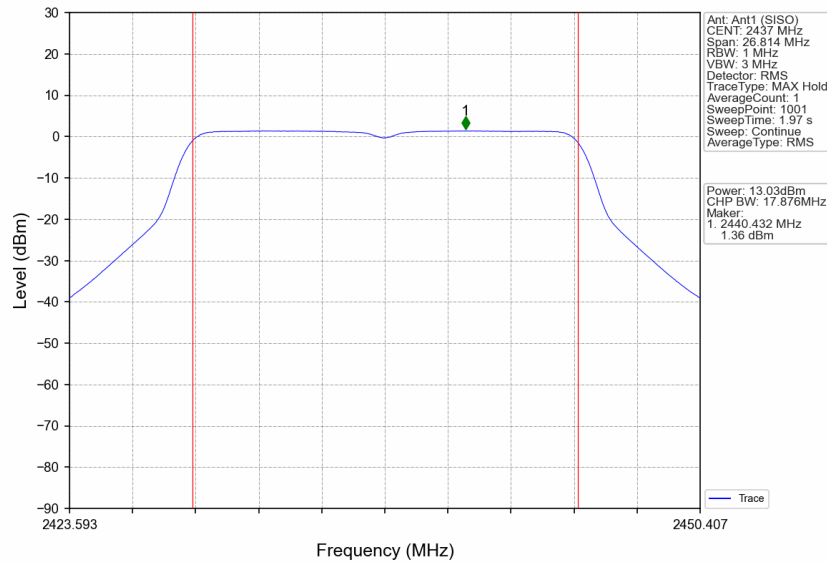
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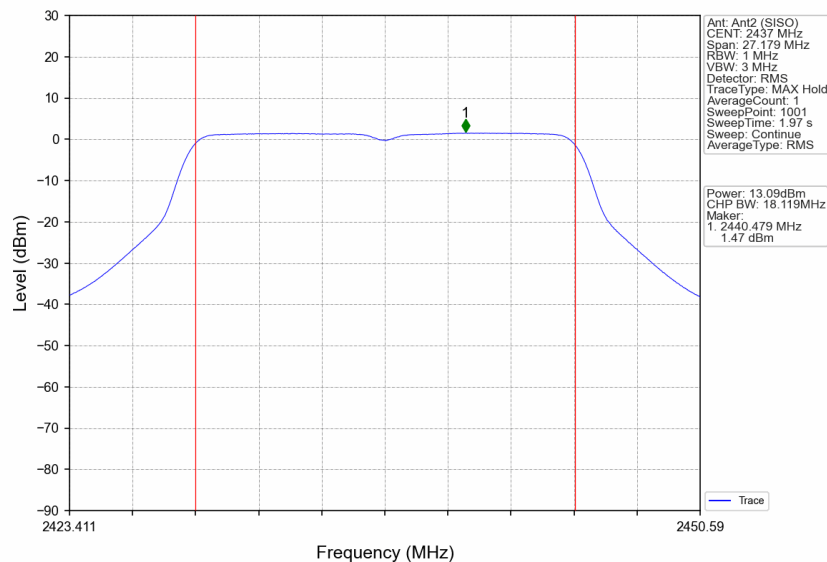
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802.11g MCH 2437MHz Ant2 (SISO) NTNv



802.11g HCH 2462MHz Ant1 (SISO) NTNv



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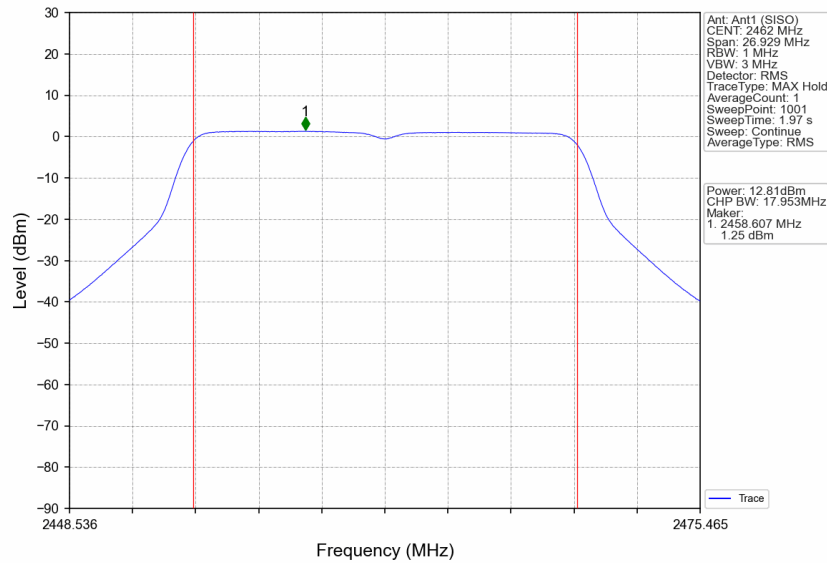
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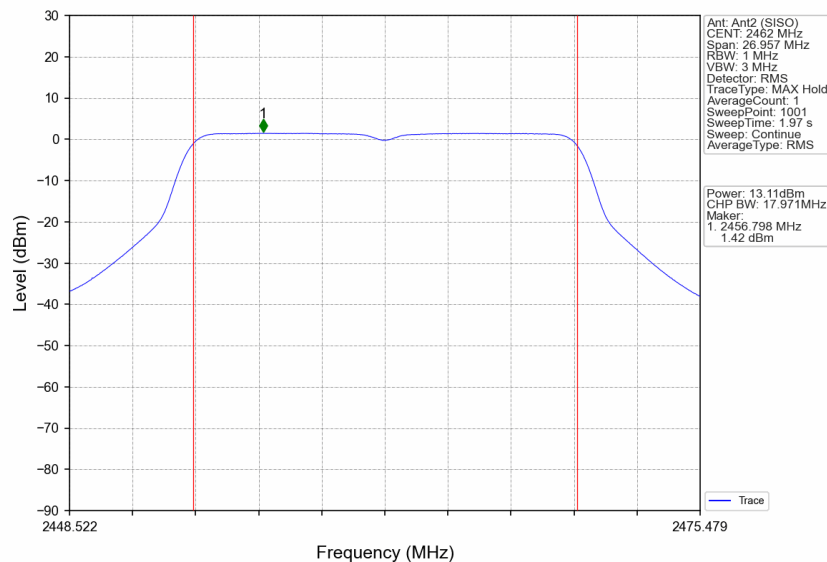
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802.11g HCH 2462MHz Ant2 (SISO) NTNv



802.11n(HT20) LCH 2412MHz Ant1 (MIMO) NTNv



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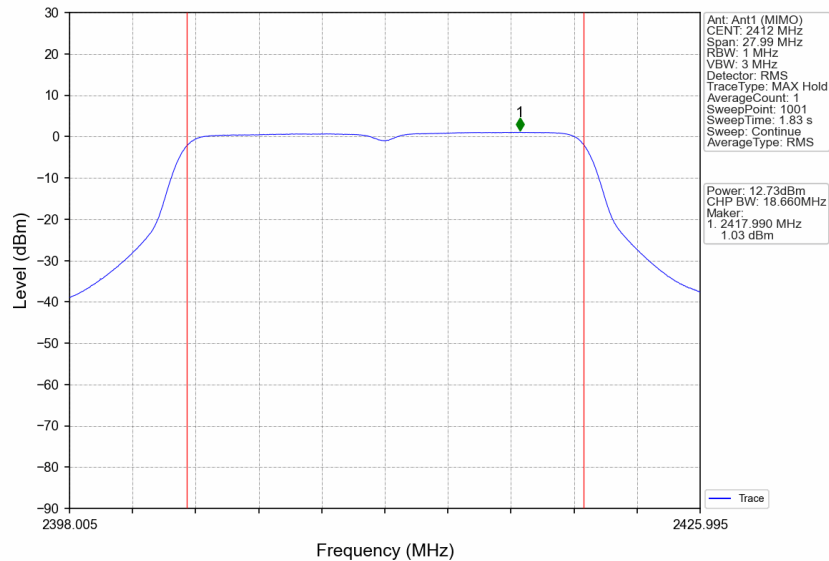
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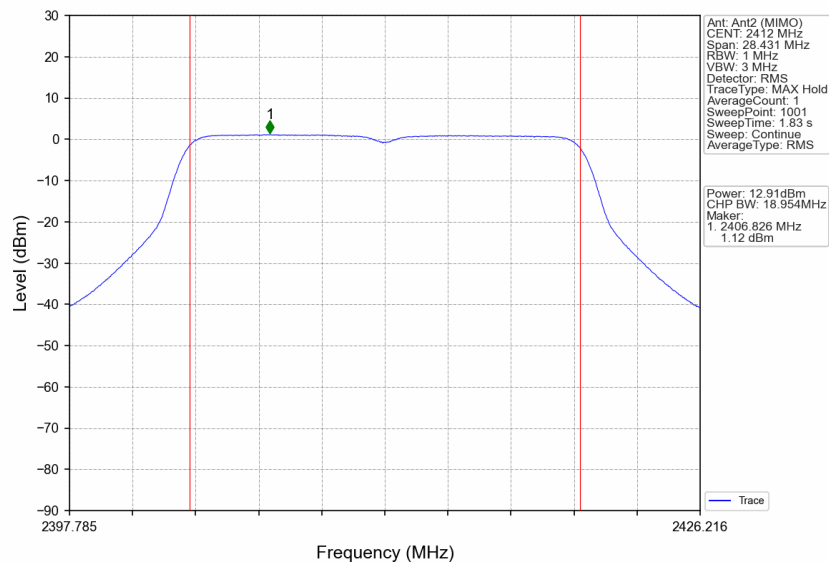
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802.11n(HT20) LCH 2412MHz Ant2 (MIMO) NTNv



802.11n(HT20) MCH 2437MHz Ant1 (MIMO) NTNv



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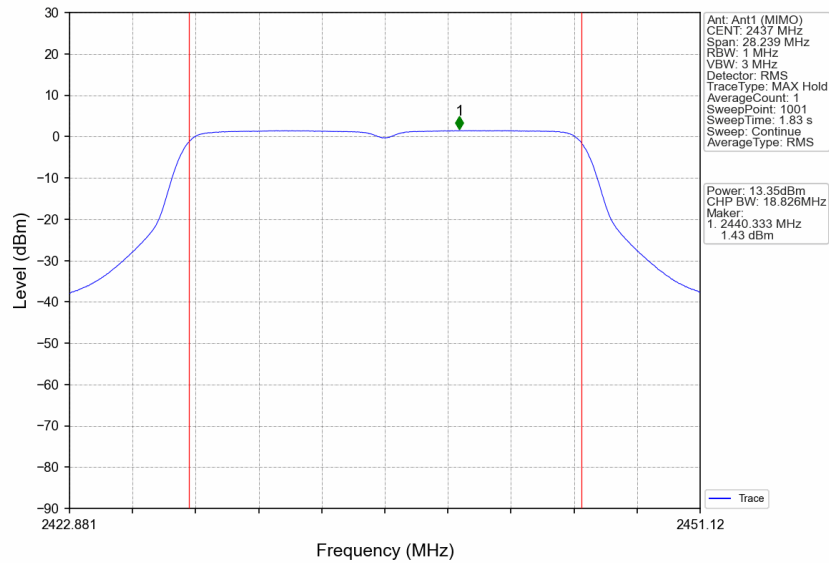
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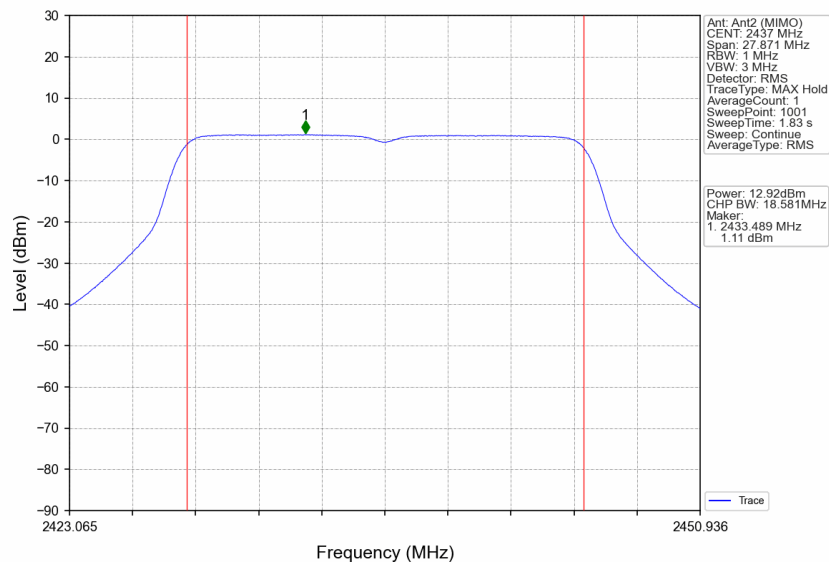
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802.11n(HT20) MCH_2437MHz_Ant2 (MIMO) NTNv



802.11n(HT20) HCH_2462MHz_Ant1 (MIMO) NTNv



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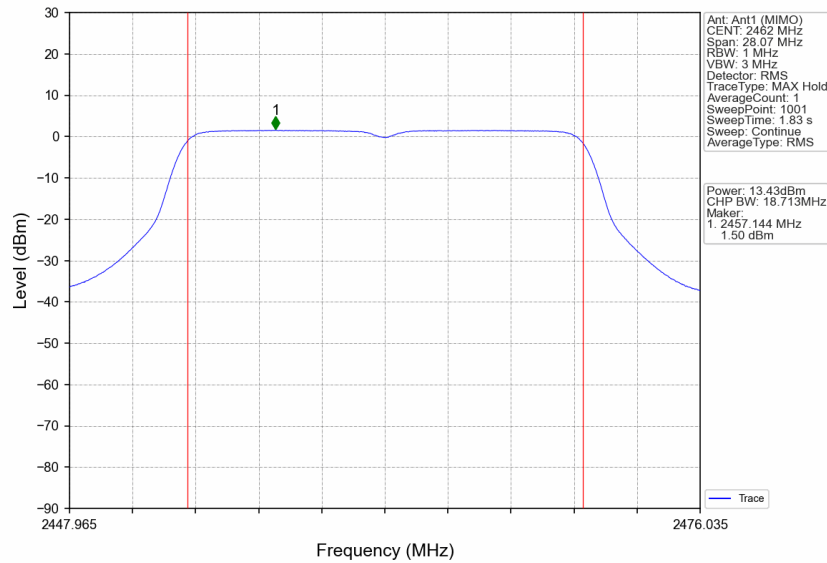
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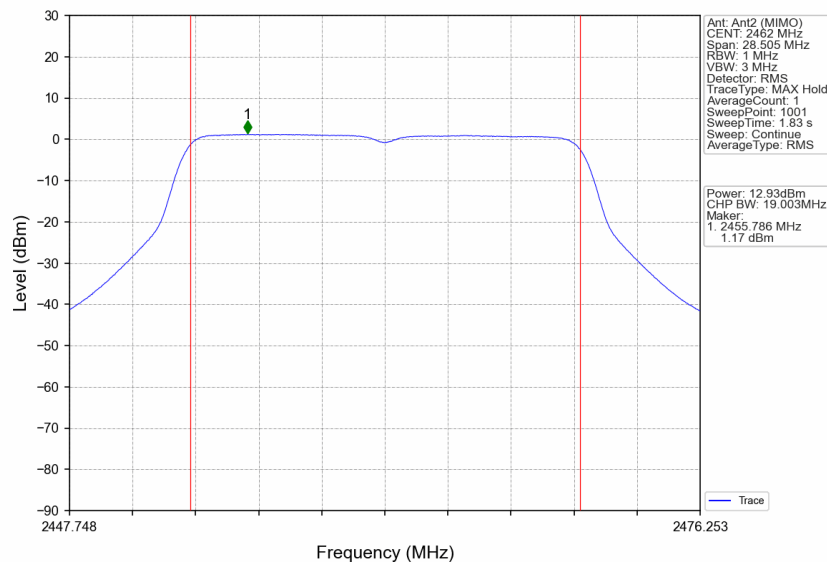
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802.11n(HT20) HCH_2462MHz_Ant2 (MIMO) NTNv



802.11n(HT40) LCH_2422MHz_Ant1 (MIMO) NTNv



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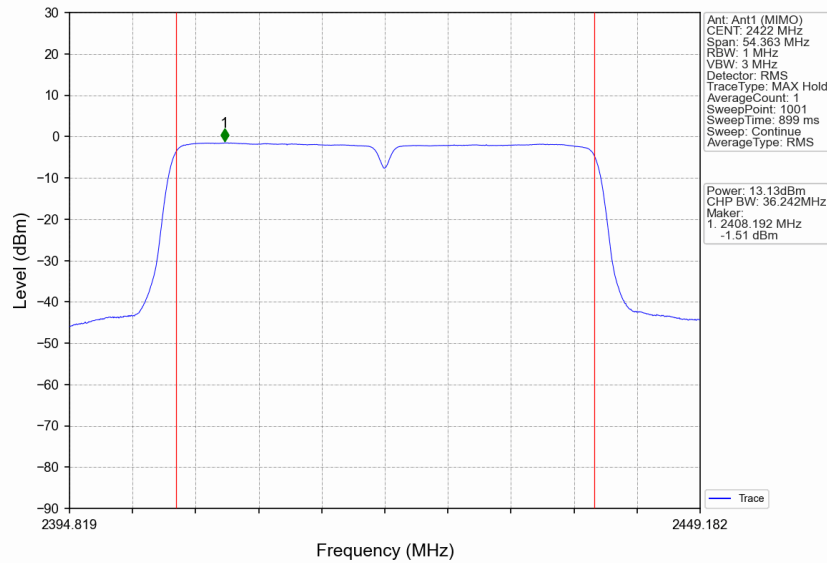
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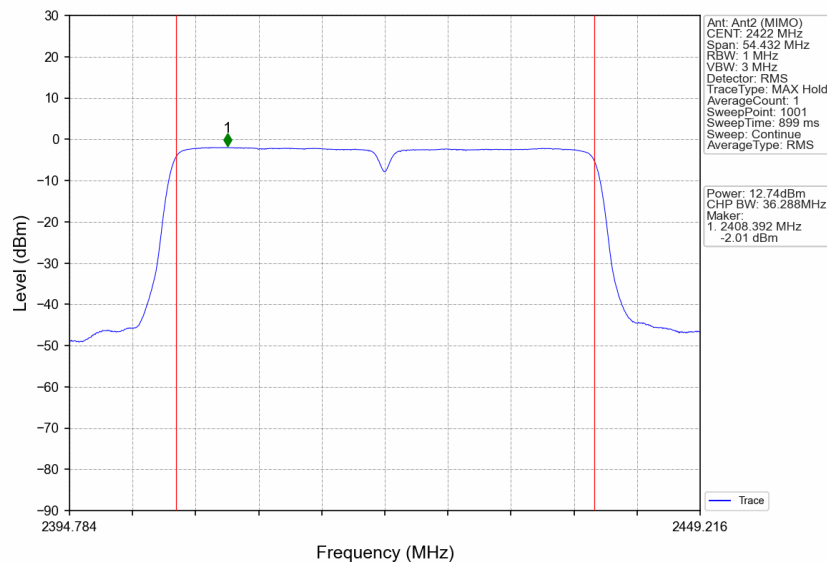
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802.11n(HT40) LCH 2422MHz Ant2 (MIMO) NTNv



802.11n(HT40) MCH 2437MHz Ant1 (MIMO) NTNv

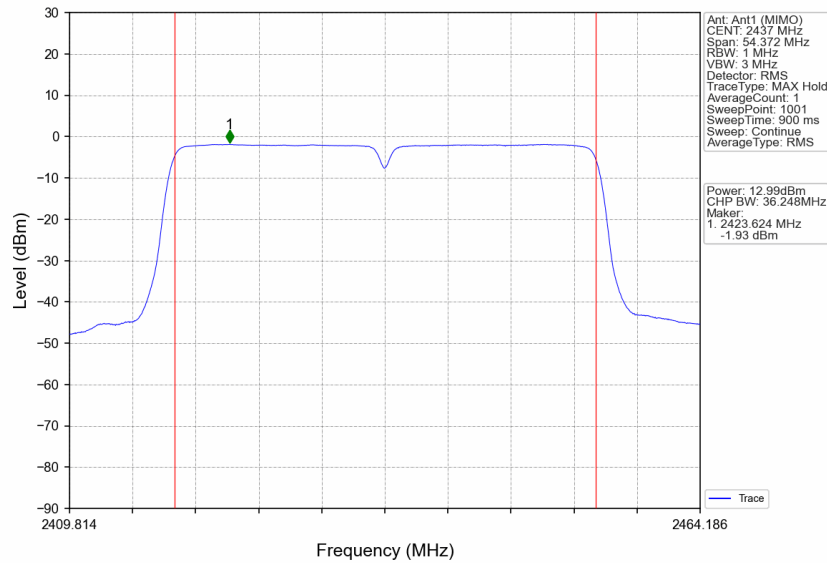


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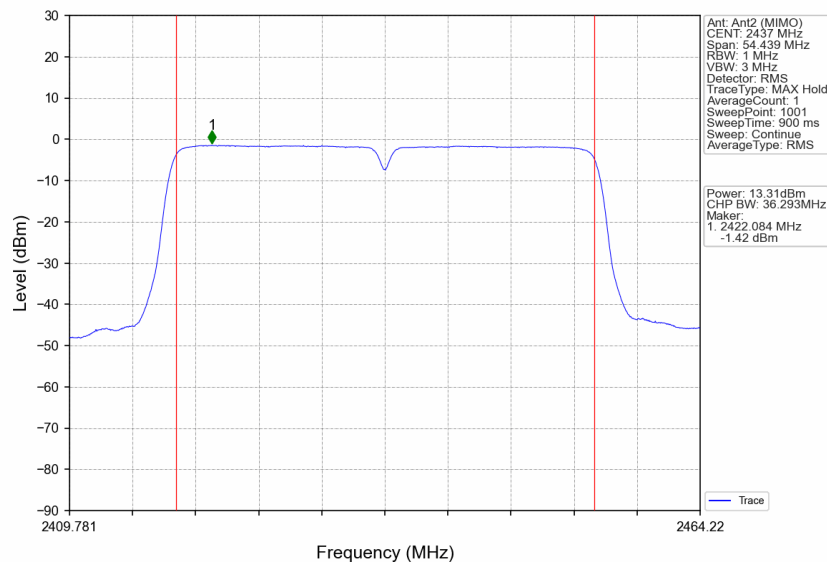
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802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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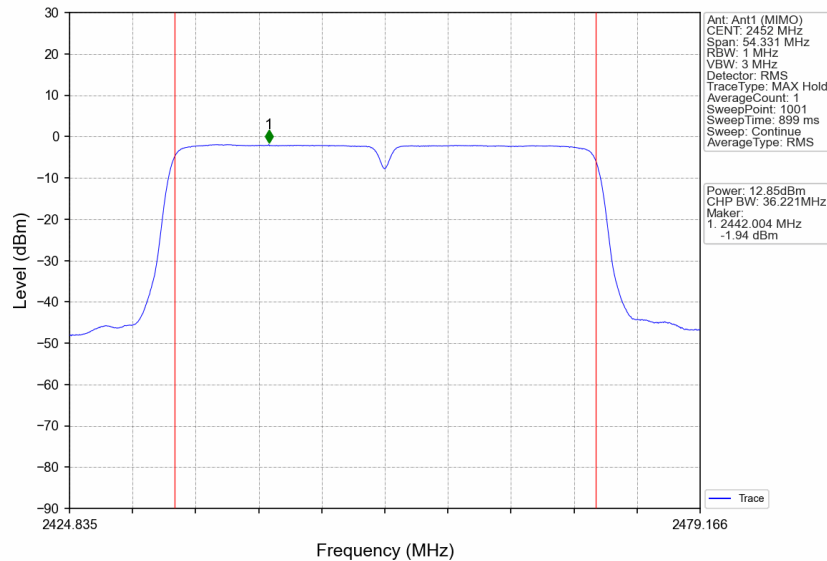
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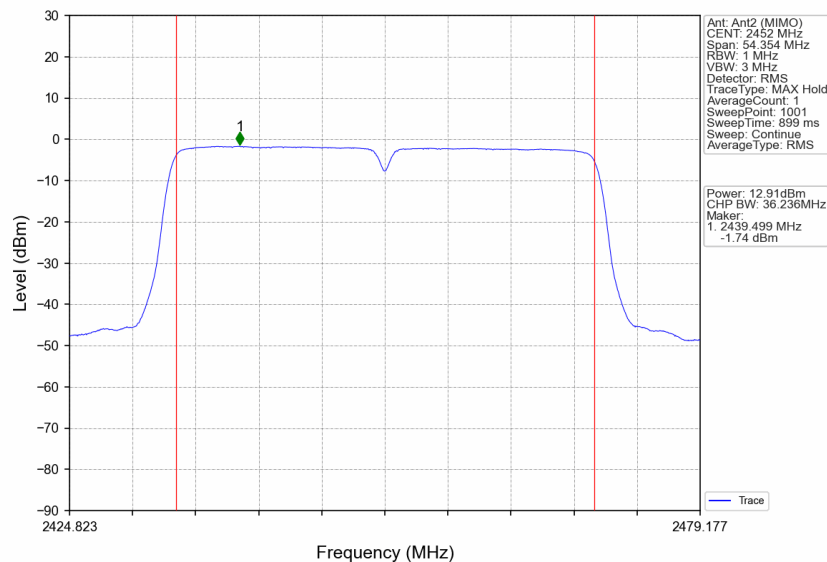
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802.11n(HT40) HCH 2452MHz Ant2 (MIMO) NTVN



4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result



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Report No.: KSCR221000192101

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Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-9.38	-9.58	/	<=8	Pass
		2437	-10.24	-9.21	/	<=8	Pass
		2462	-8.21	-8.32	/	<=8	Pass
802.11g	SISO	2412	-12.07	-12.63	/	<=8	Pass
		2437	-11.07	-13.14	/	<=8	Pass
		2462	-13.63	-11.20	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-13.58	-13.57	-11.56	<=7.18	Pass
		2437	-12.25	-12.93	-10.43	<=7.18	Pass
		2462	-12.60	-12.22	-10.81	<=7.18	Pass
802.11n (HT40)	MIMO	2422	-15.97	-15.75	-13.57	<=7.18	Pass
		2437	-16.69	-14.86	-13.72	<=7.18	Pass
		2452	-16.66	-15.35	-13.57	<=7.18	Pass

Note1: Antenna Gain: Ant1: 3.81dBi; Ant2: 3.81dBi;
Note2: Directional Gain: 6.82dBi

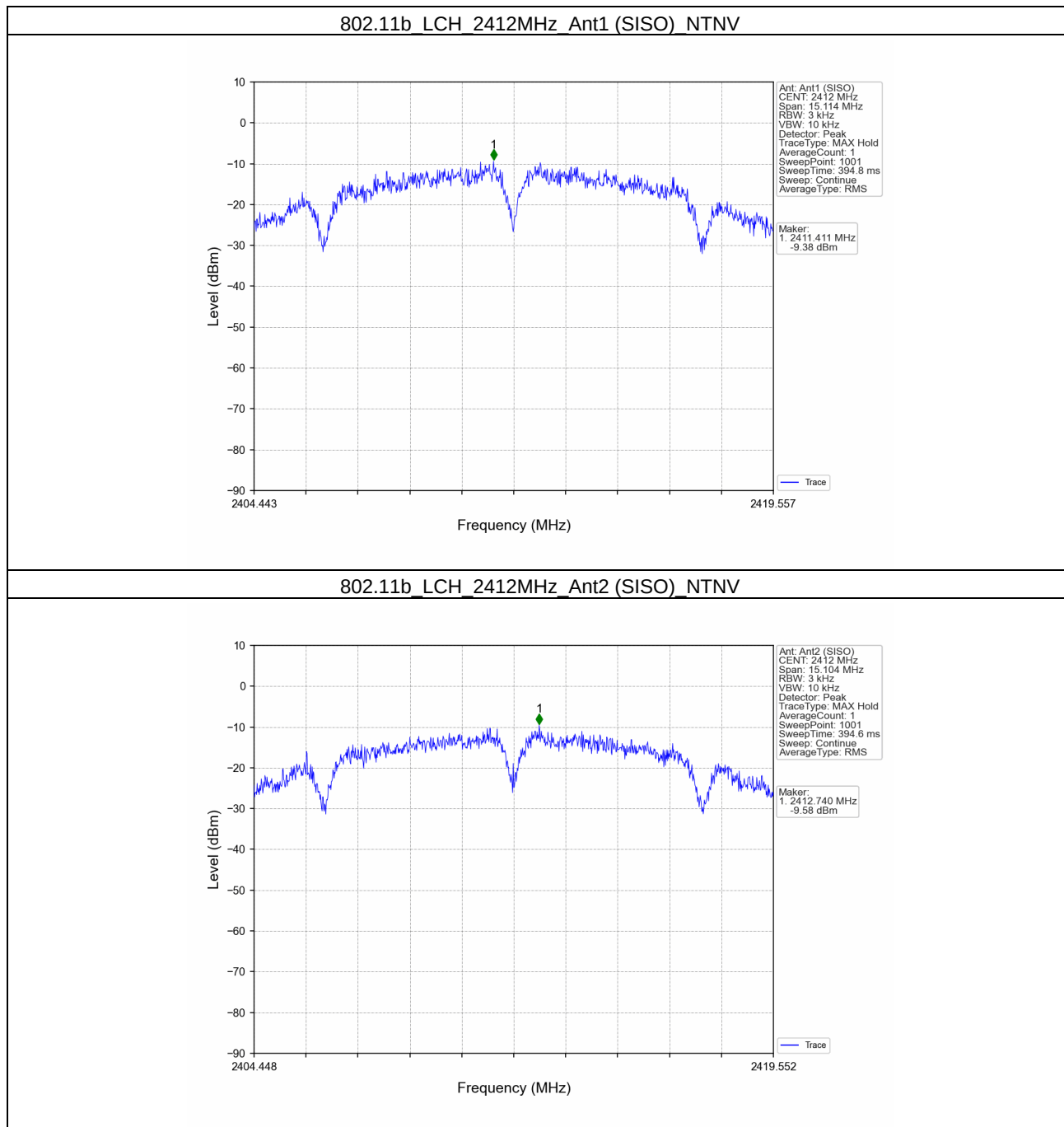


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4.1.2 Test Graph



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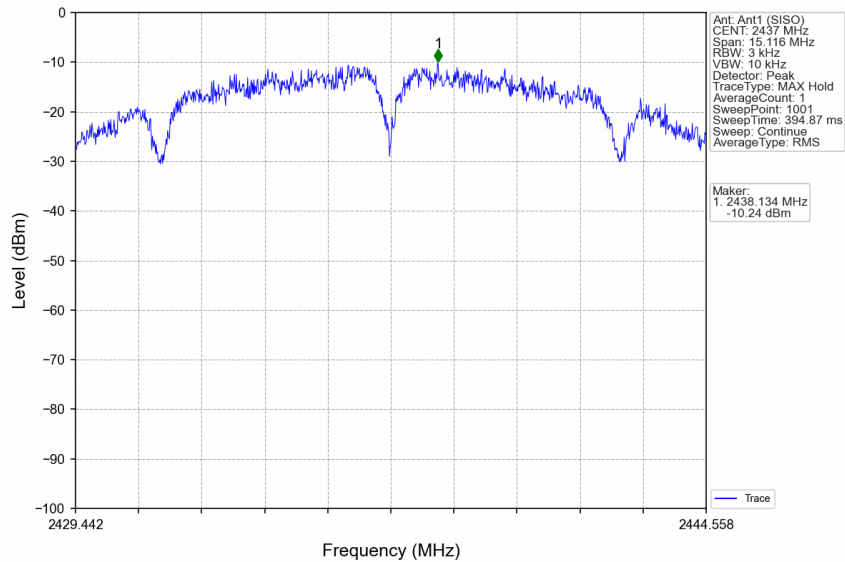
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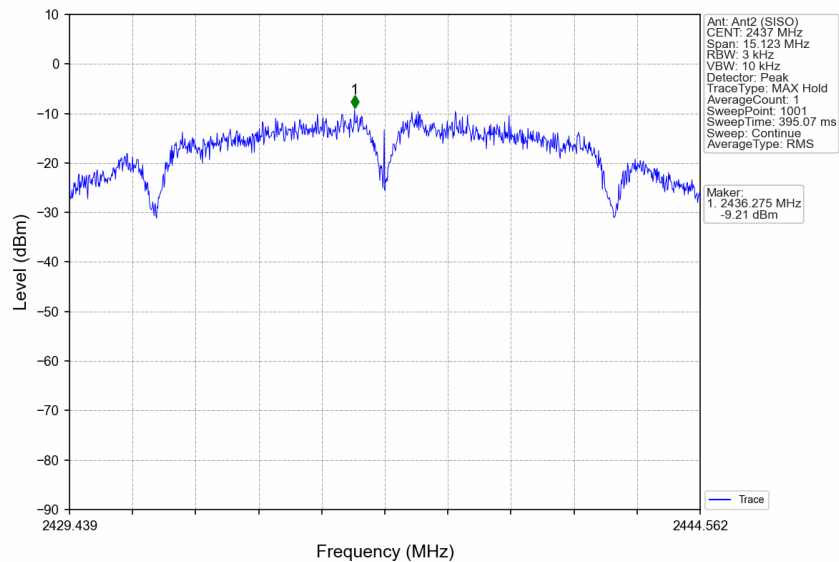
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802.11b MCH 2437MHz Ant1 (SISO) NTN



802.11b MCH 2437MHz Ant2 (SISO) NTN



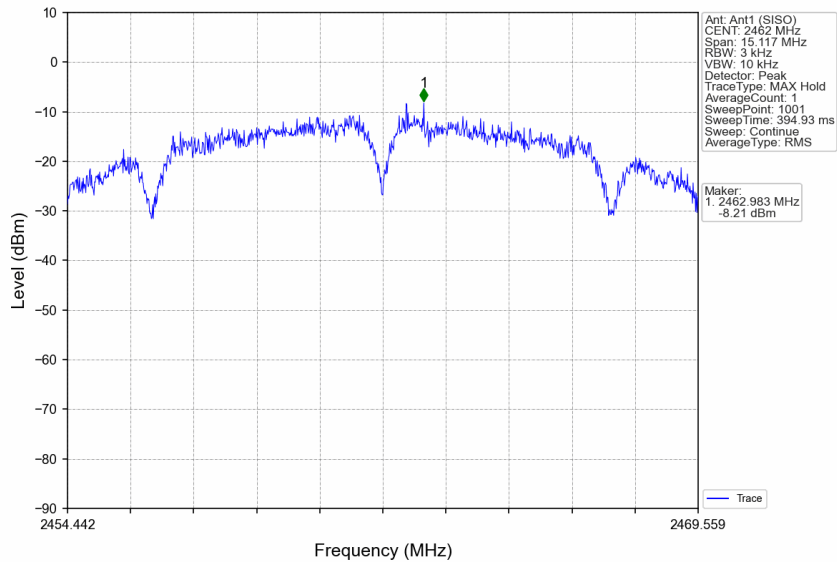
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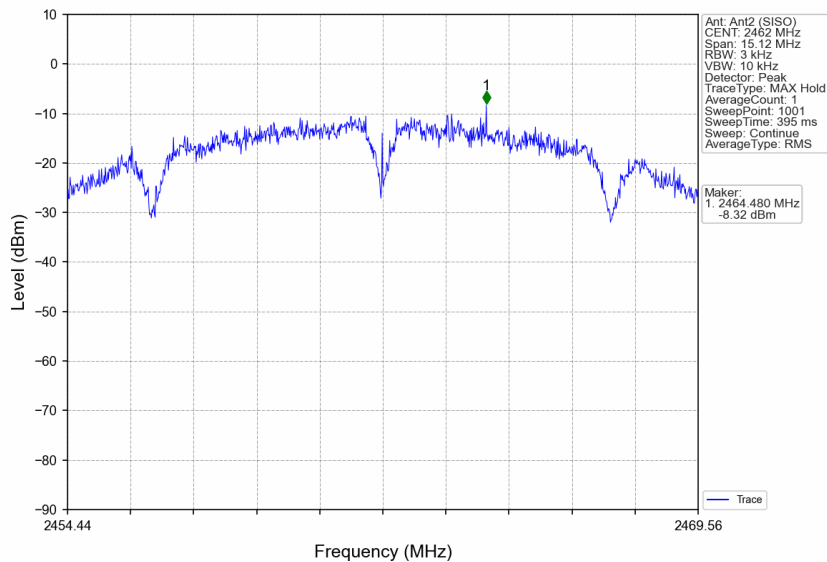
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802.11b HCH 2462MHz Ant1 (SISO) NTN



802.11b HCH 2462MHz Ant2 (SISO) NTN



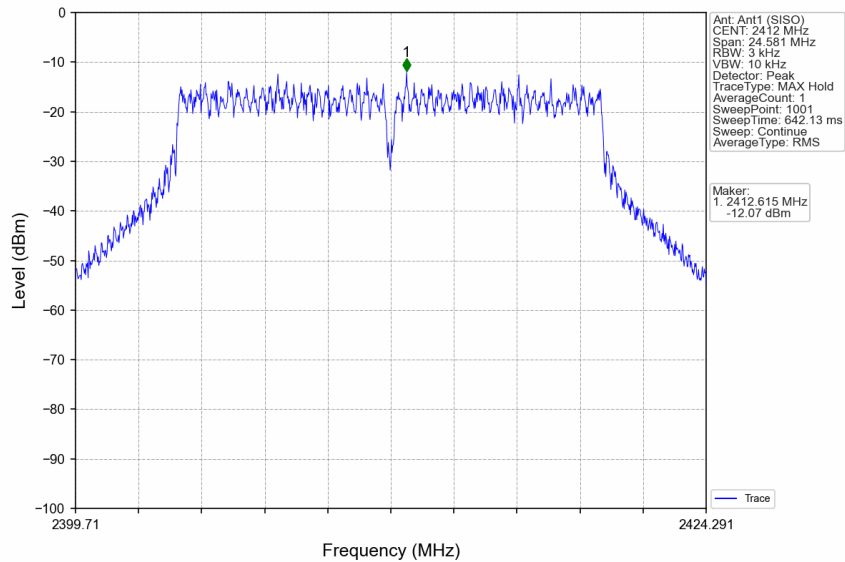
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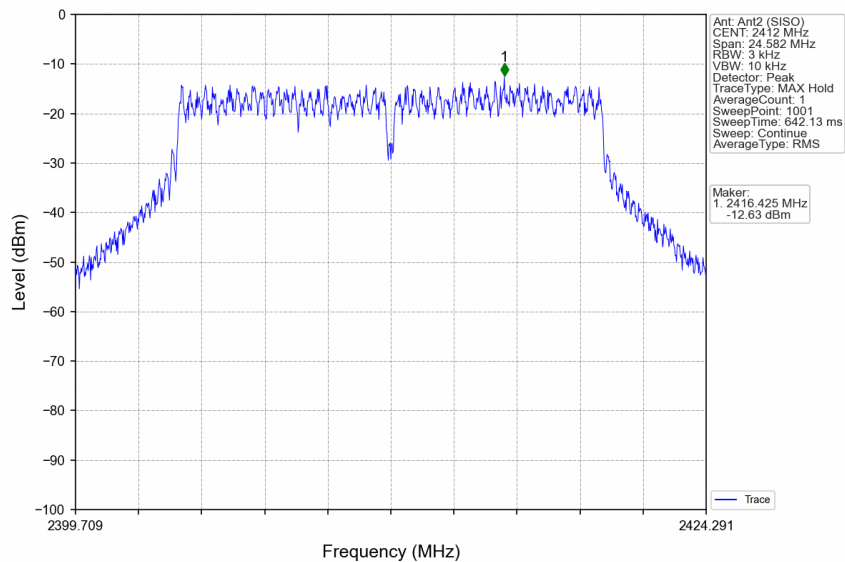
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802.11g LCH 2412MHz Ant1 (SISO) NTNV



802.11g LCH 2412MHz Ant2 (SISO) NTNV



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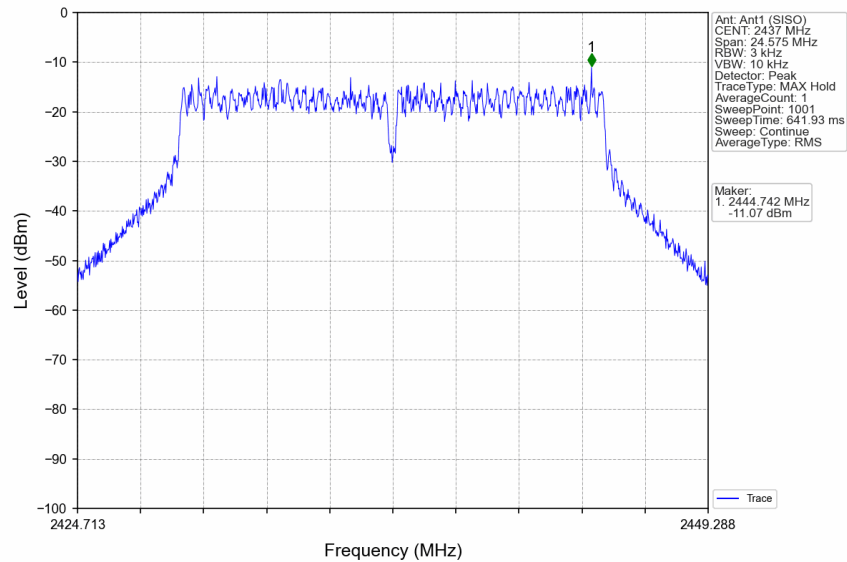
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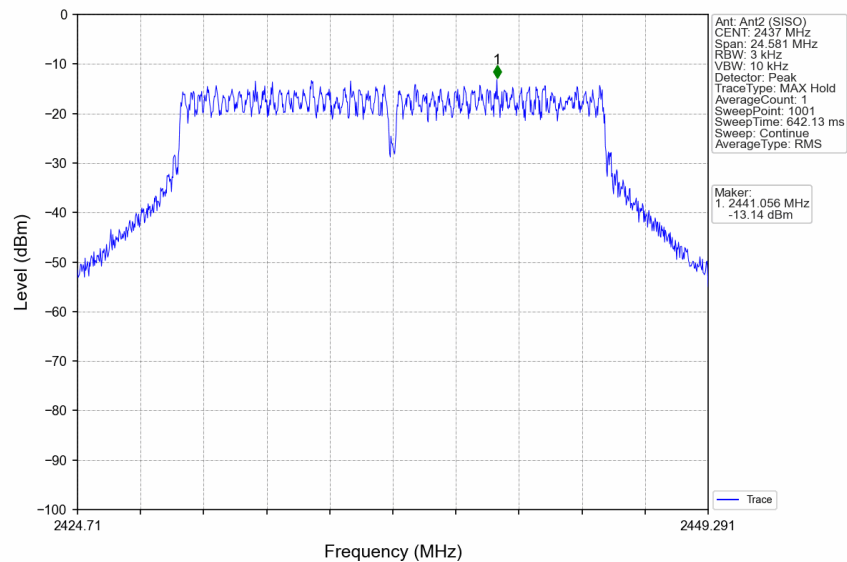
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802.11g MCH 2437MHz Ant1 (SISO) NTNV



802.11g MCH 2437MHz Ant2 (SISO) NTNV



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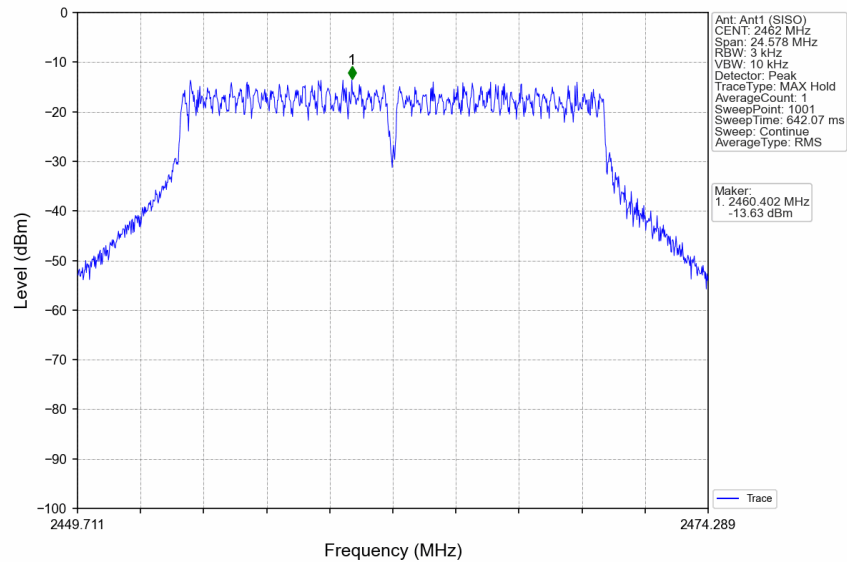
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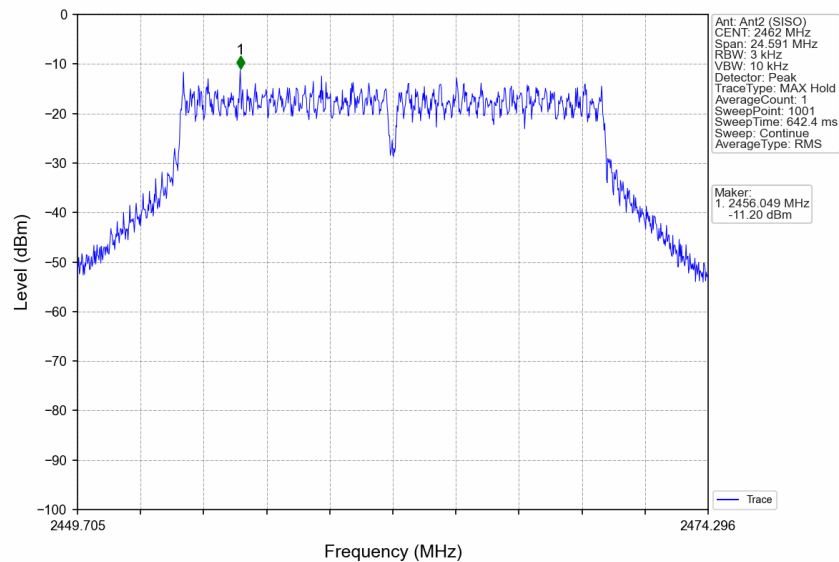
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802.11g HCH 2462MHz Ant1 (SISO) NTN



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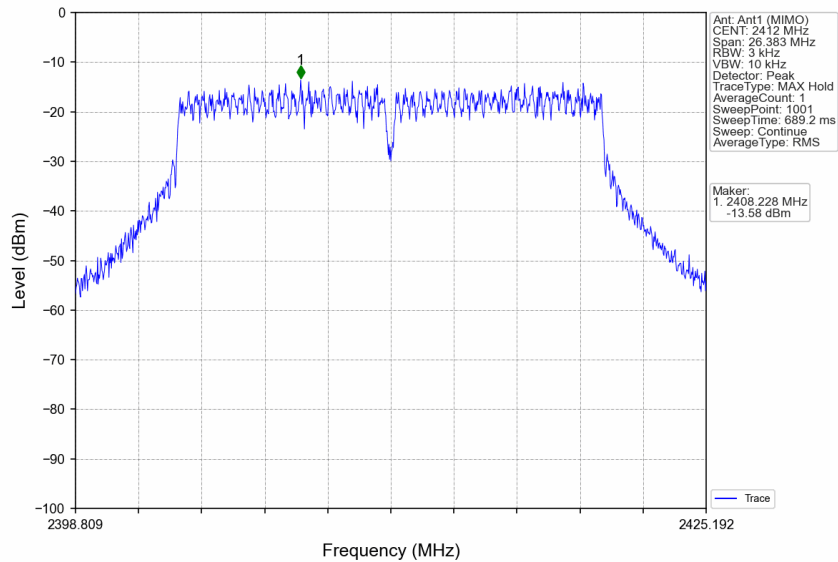
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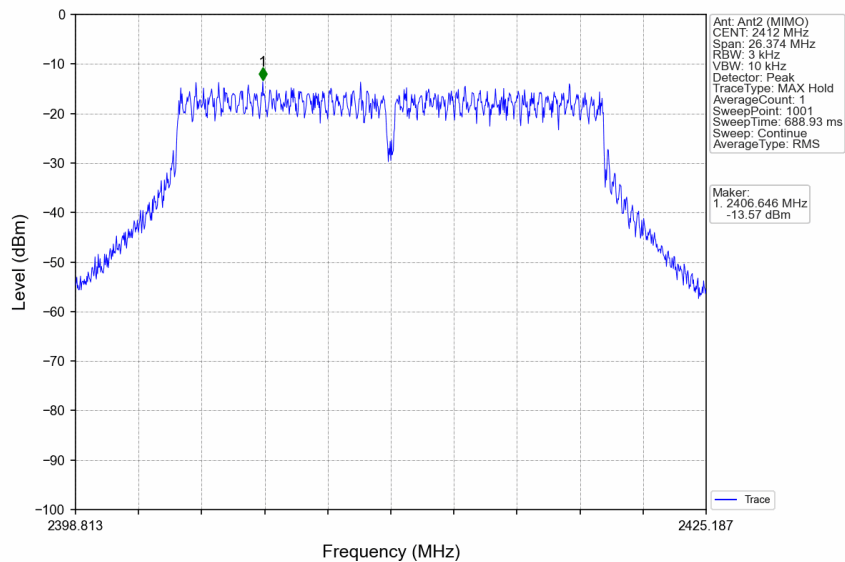
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802.11n(HT20) LCH 2412MHz Ant1 (MIMO) NTNV



802.11n(HT20) LCH 2412MHz Ant2 (MIMO) NTNV



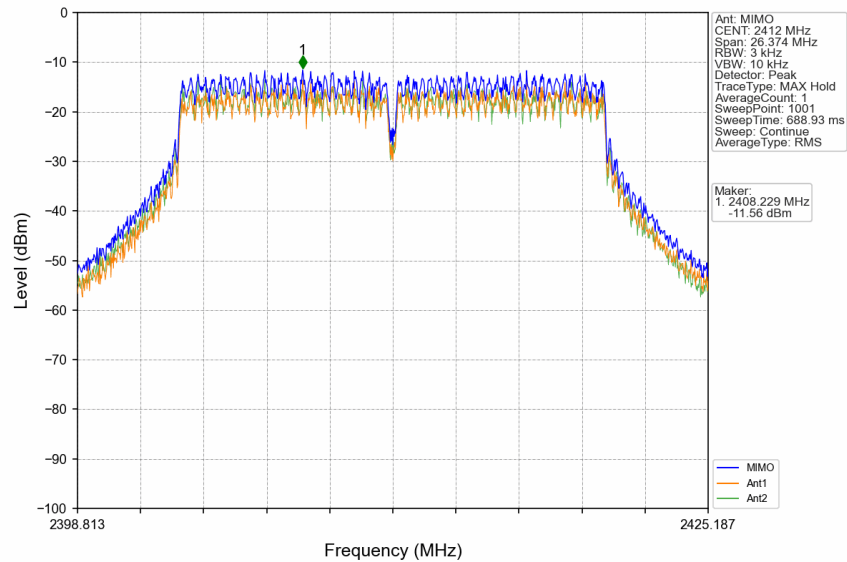
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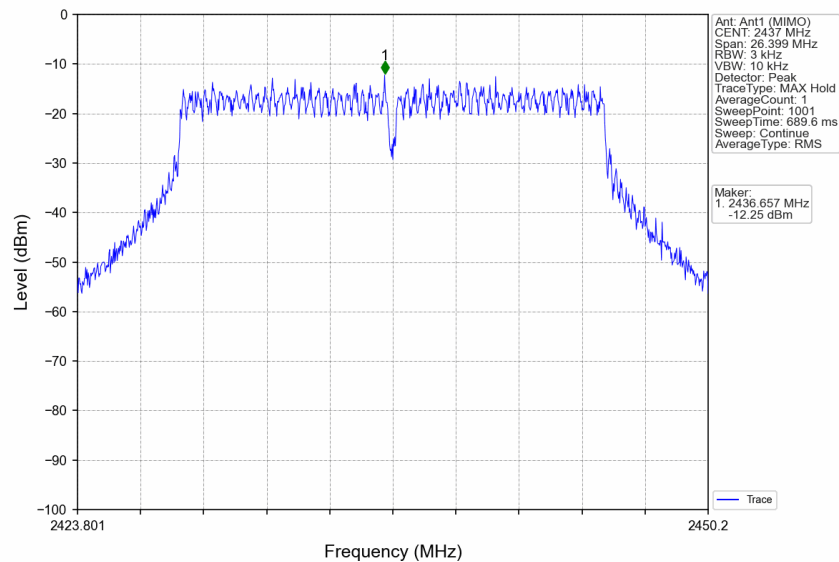
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802.11n(HT20) LCH 2412MHz MIMO NTN



802.11n(HT20) MCH 2437MHz Ant1 (MIMO) NTN



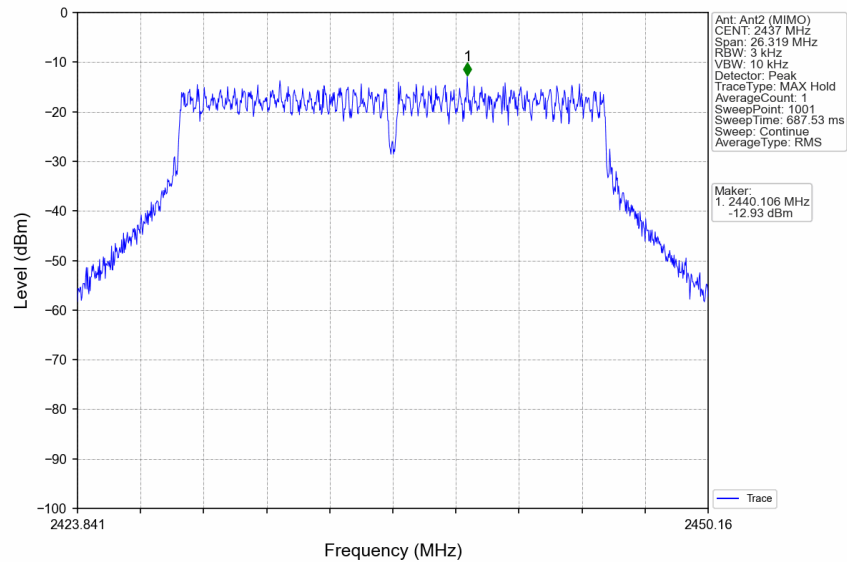
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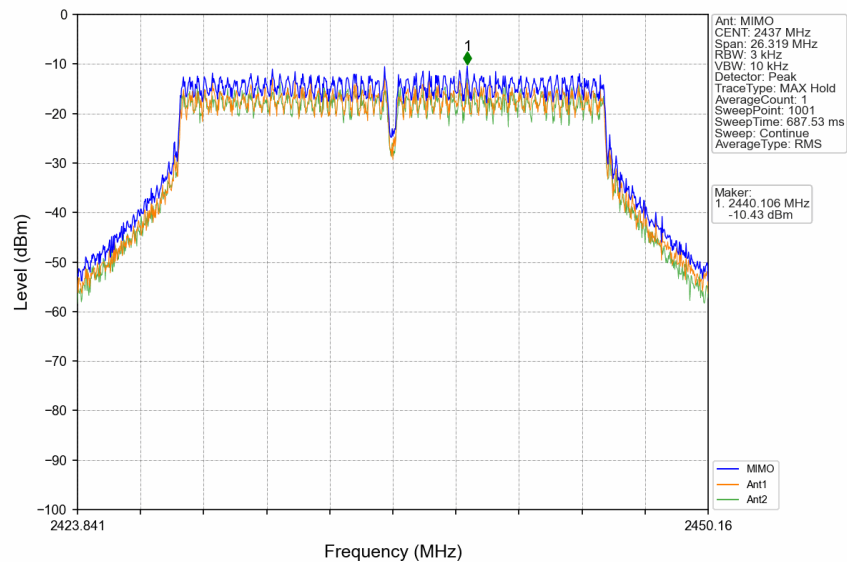
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802.11n(HT20) MCH 2437MHz Ant2 (MIMO) NTN



802.11n(HT20) MCH 2437MHz MIMO NTN



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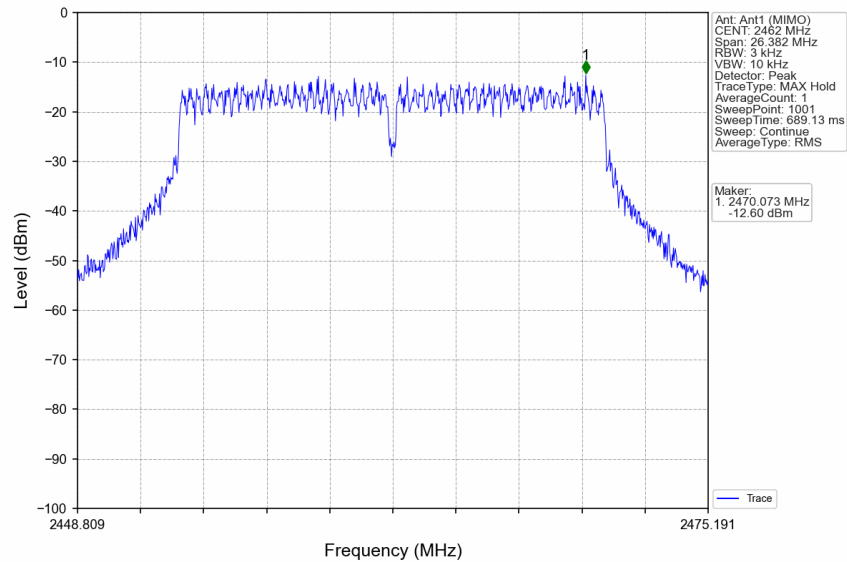
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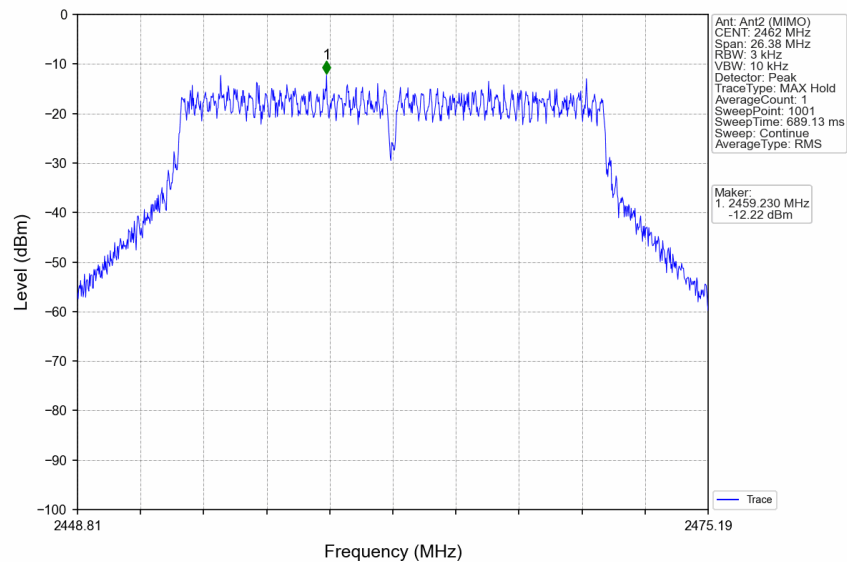
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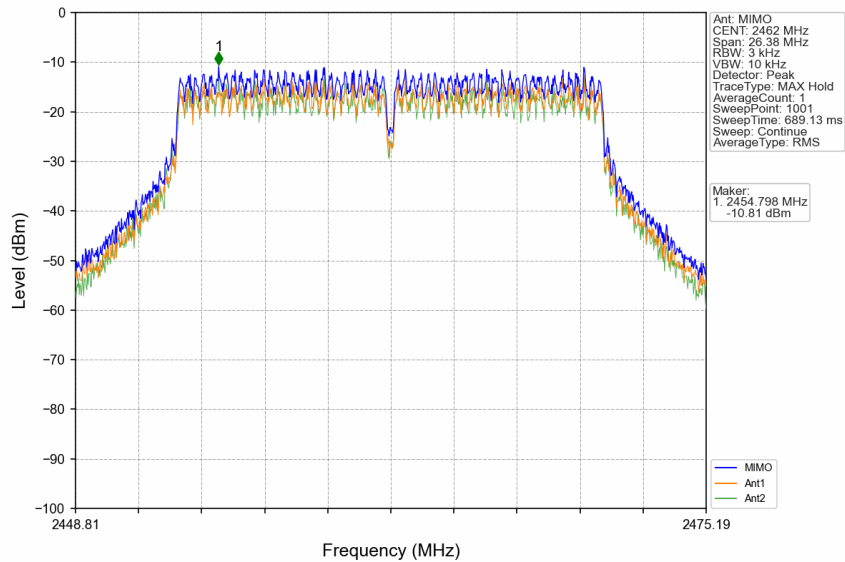
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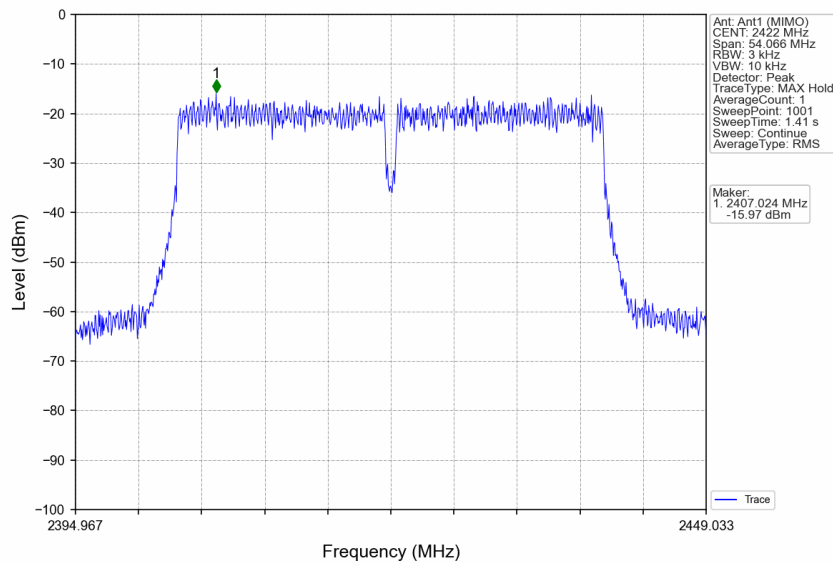
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802.11n(HT20) HCH 2462MHz MIMO NTN



802.11n(HT40) LCH 2422MHz_Ant1 (MIMO) NTN



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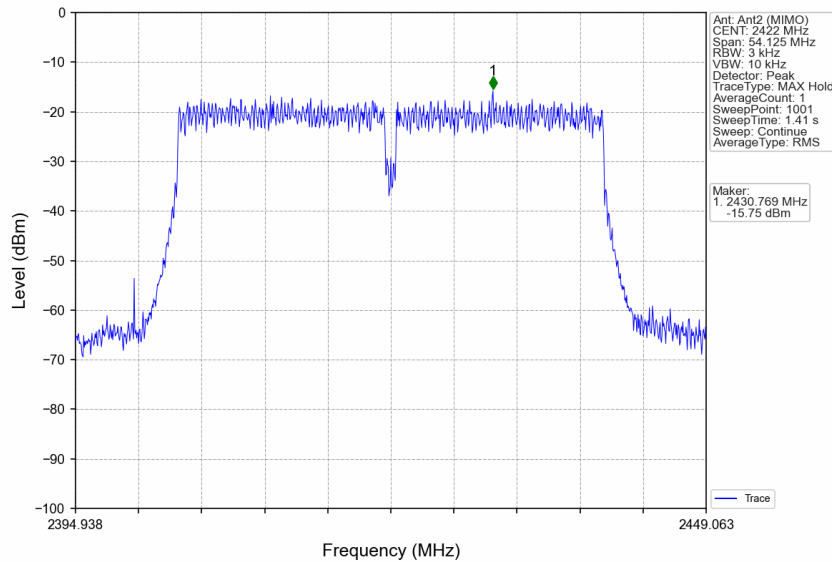
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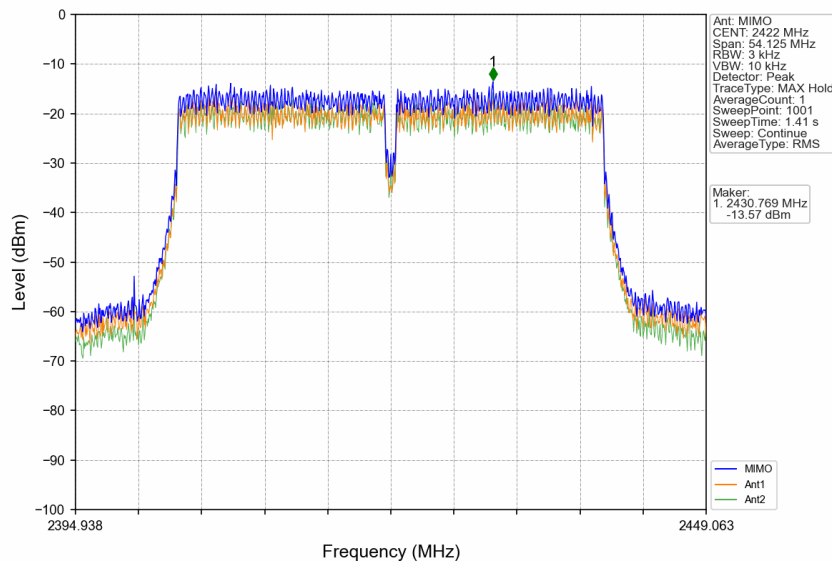
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802.11n(HT40) LCH 2422MHz Ant2 (MIMO) NTN



802.11n(HT40) LCH 2422MHz MIMO NTN



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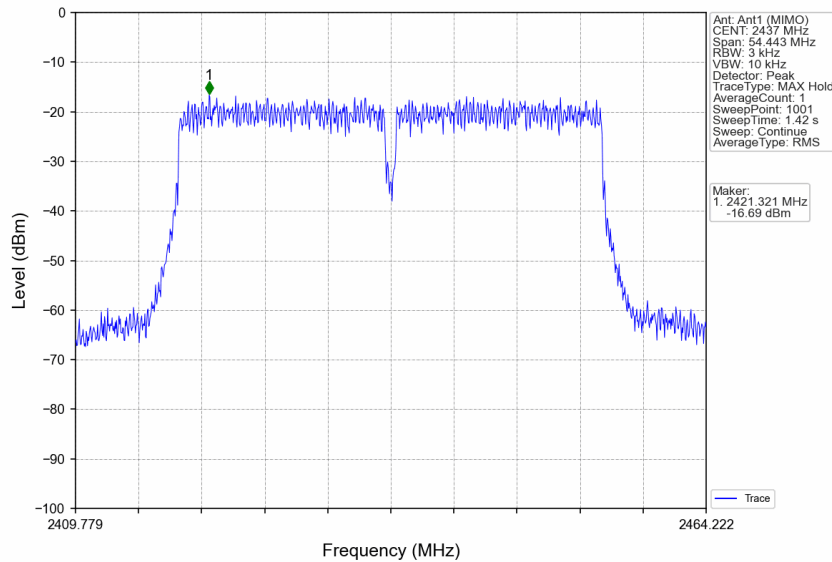
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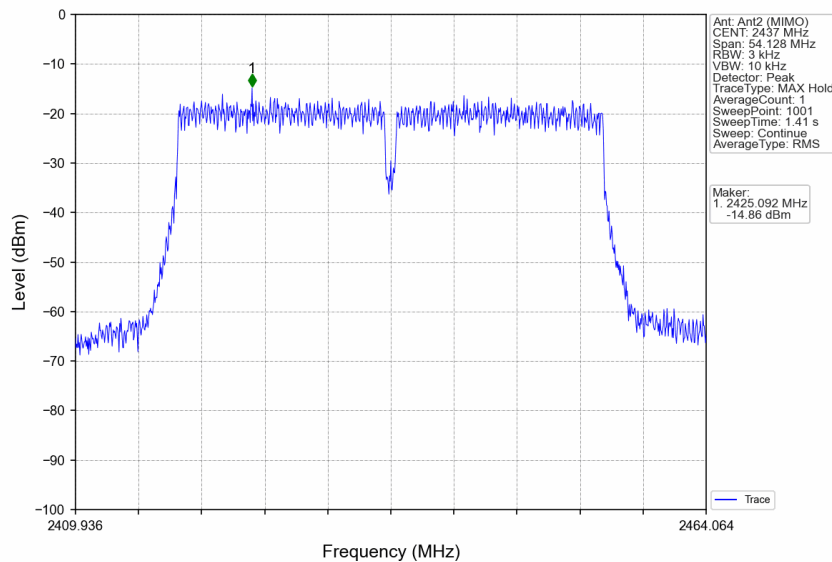
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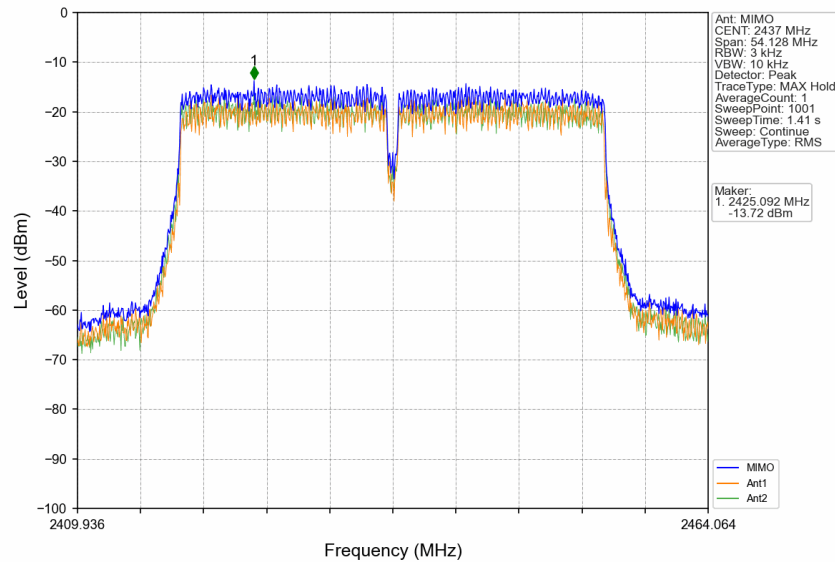
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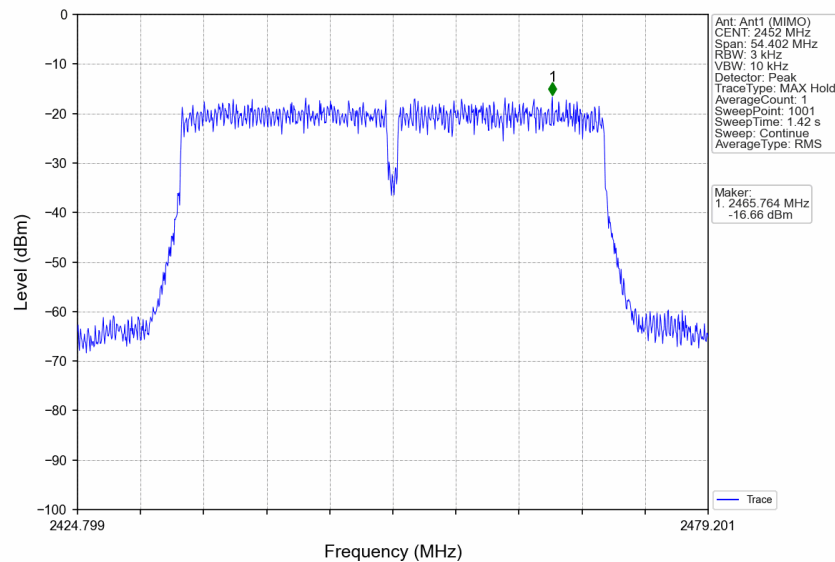
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802.11n(HT40) MCH 2437MHz MIMO NTN



802.11n(HT40) HCH 2452MHz Ant1 (MIMO) NTN



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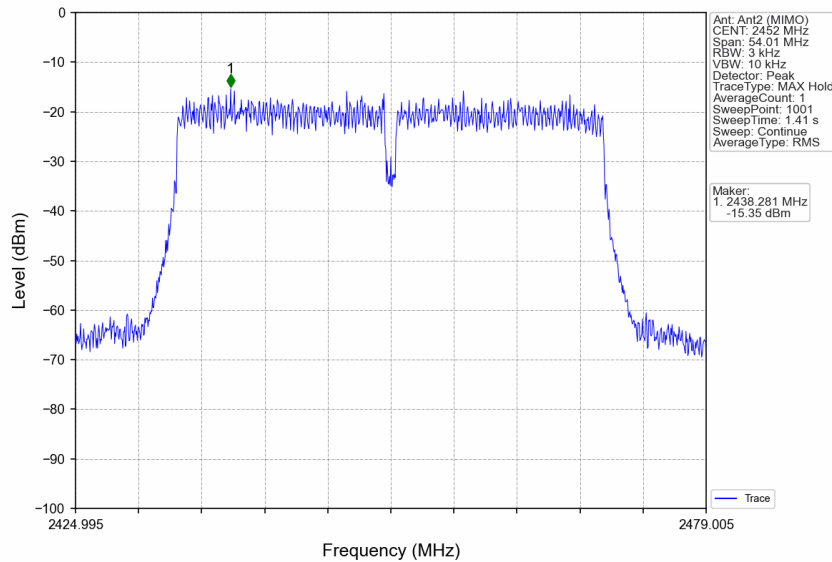
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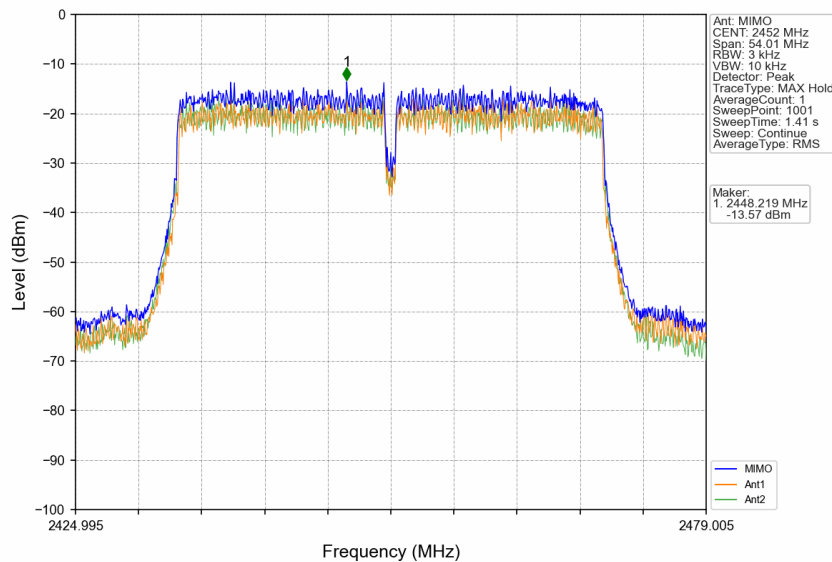
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	5.07
			2	5.36
		2437	1	4.77
			2	5.16
		2462	1	4.82
			2	5.62
802.11g	SISO	2412	1	1.80
			2	1.85
		2437	1	1.70
			2	1.77
		2462	1	1.62
			2	1.86
802.11n (HT20)	MIMO	2412	1	1.57
			2	1.53
		2437	1	2.13
			2	1.85
		2462	1	2.16
			2	1.09
802.11n (HT40)	MIMO	2422	1	-1.21
			2	-1.36
		2437	1	-1.37
			2	-0.72
		2452	1	-1.34
			2	-1.04

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.



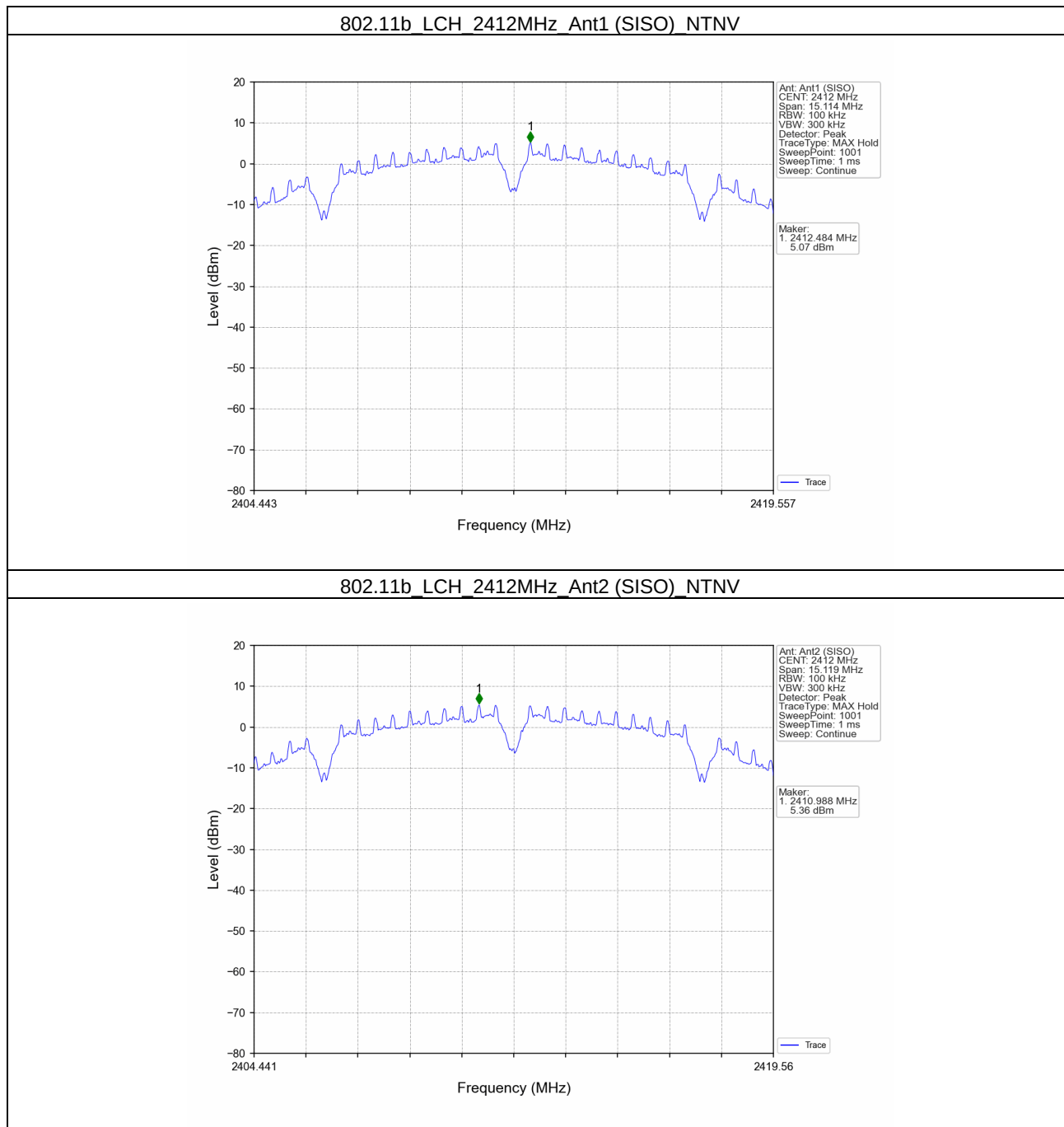
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5.1.2 Test Graph



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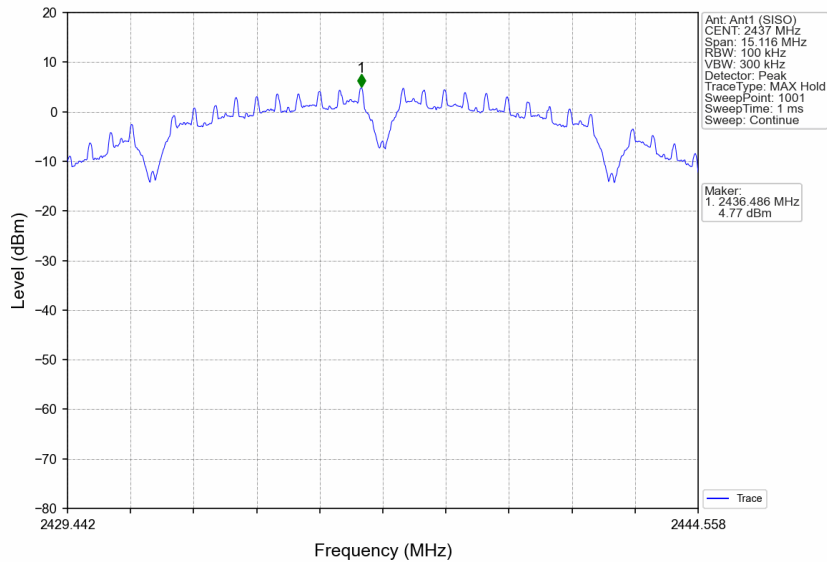
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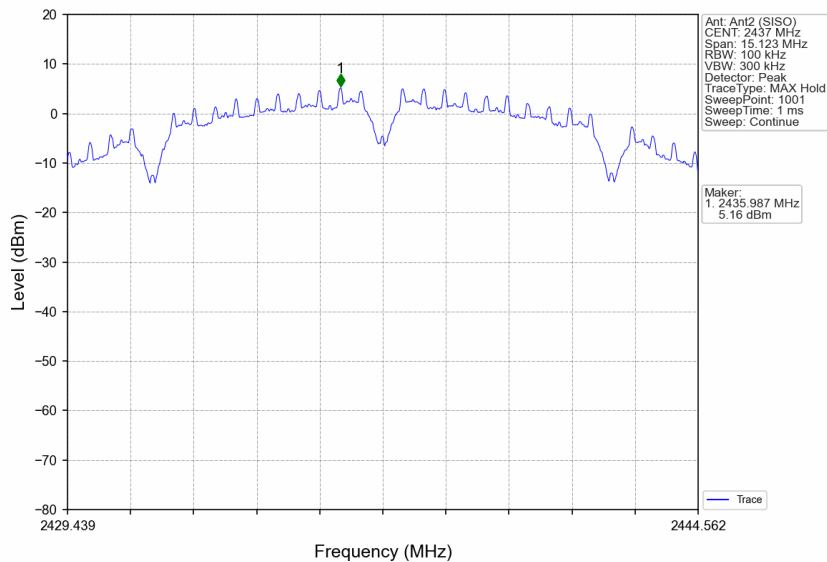
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802.11b MCH 2437MHz Ant1 (SISO) NTNV



802.11b MCH 2437MHz Ant2 (SISO) NTNV



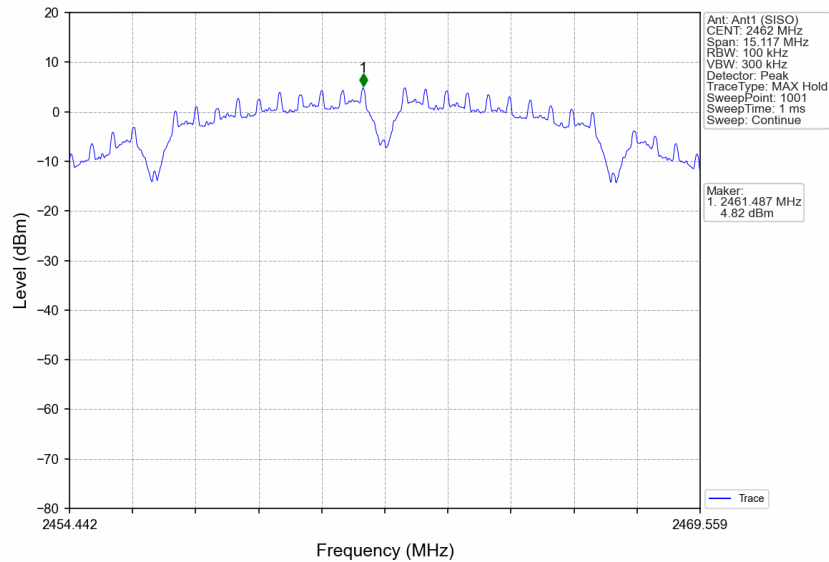
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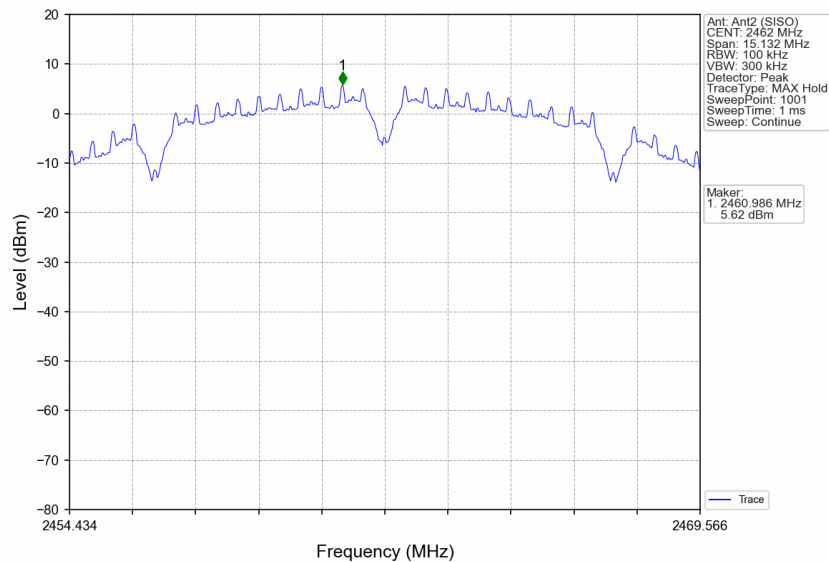
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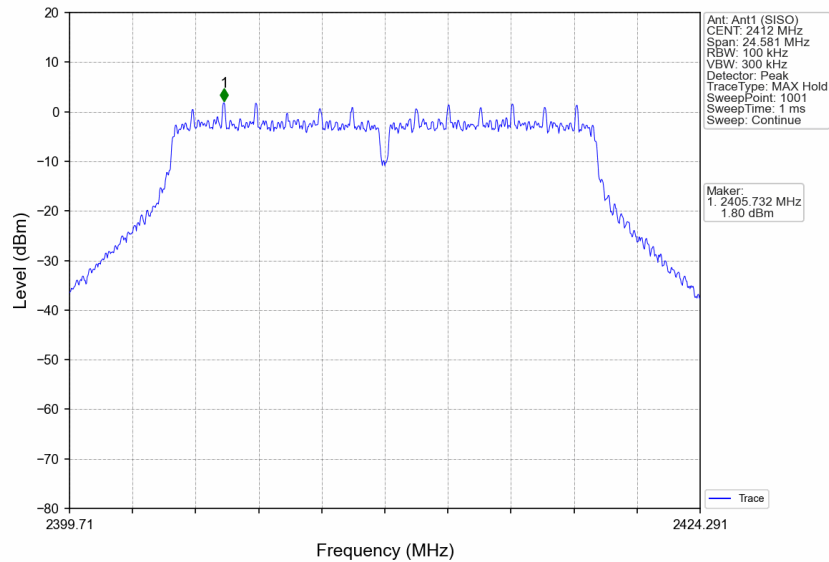
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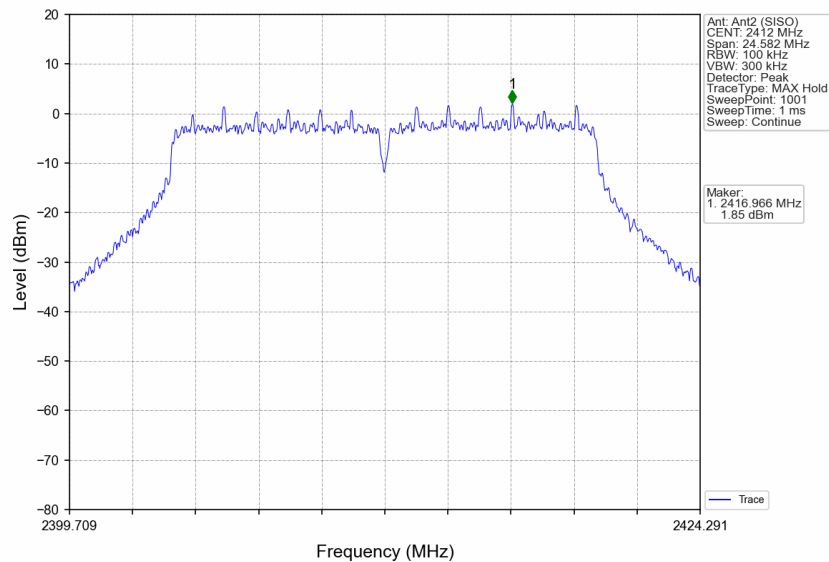
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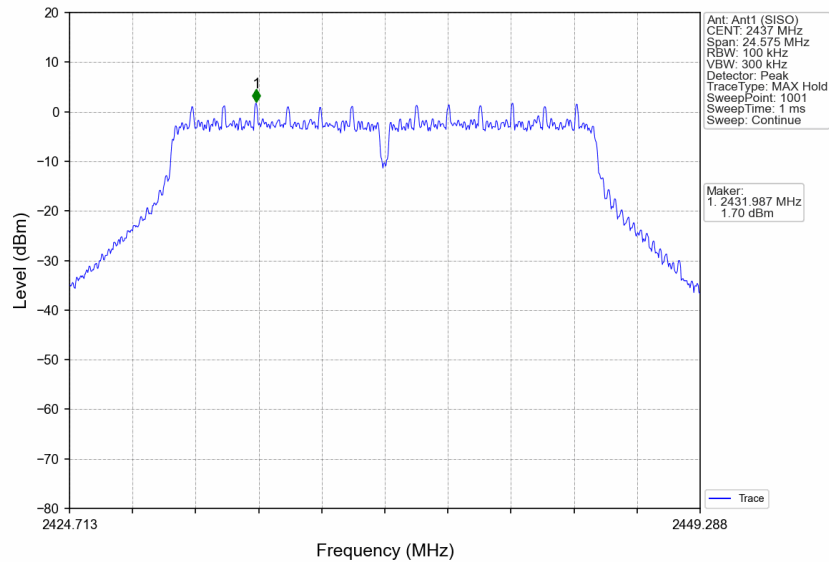
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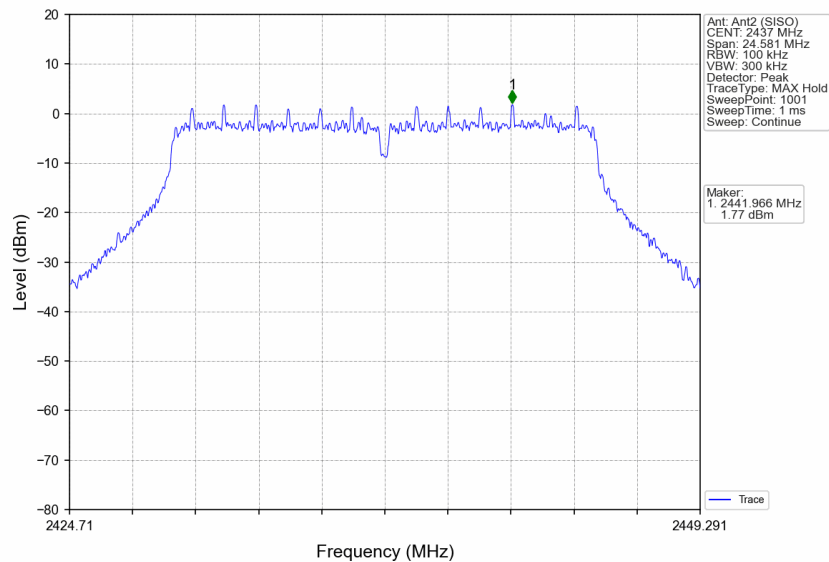
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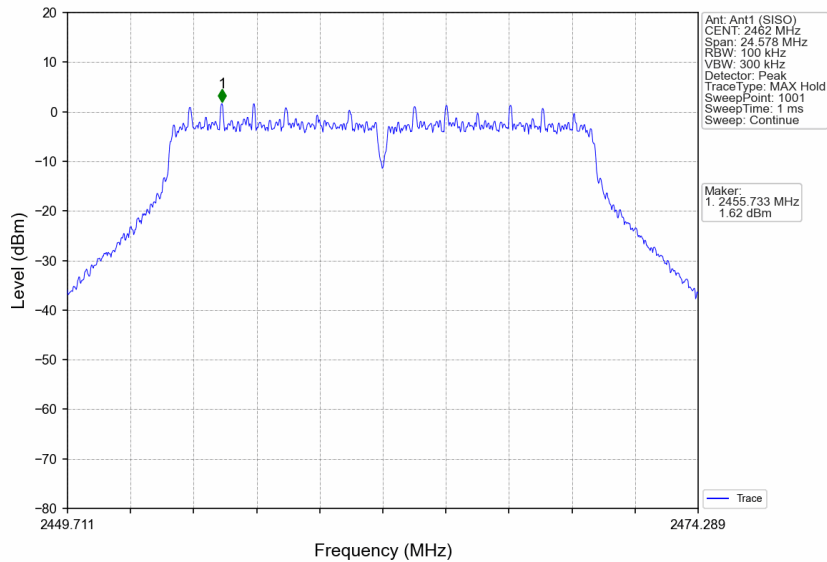
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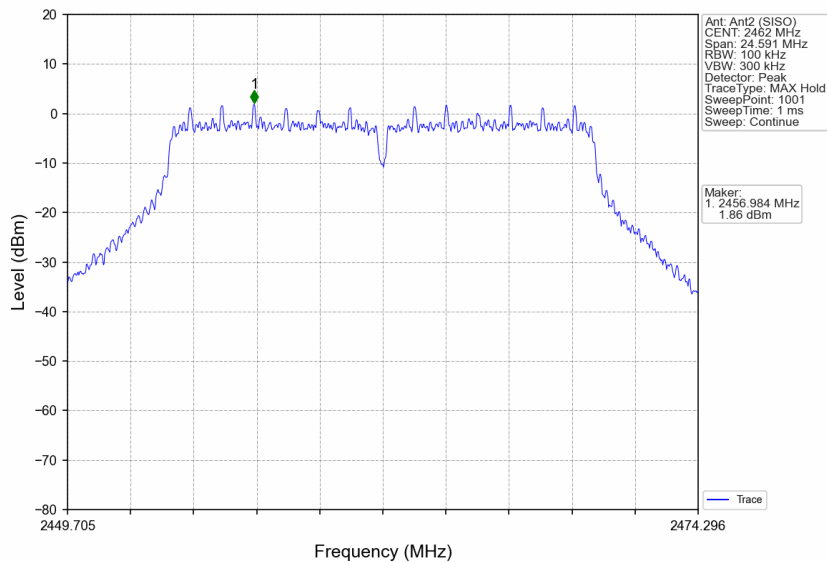
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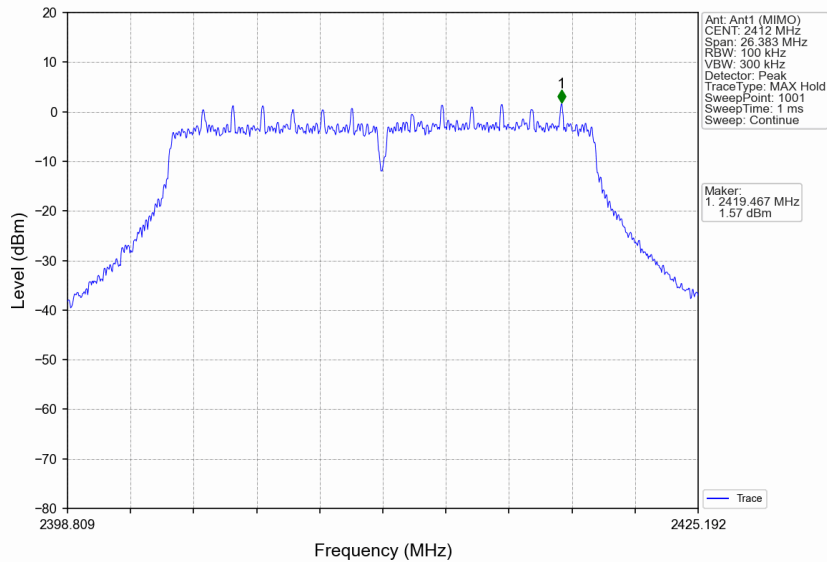
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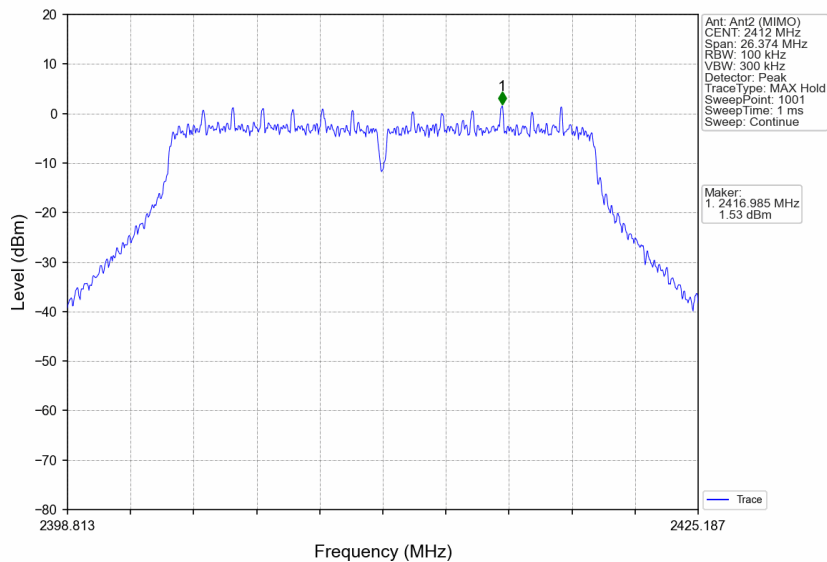
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802.11n(HT20) LCH 2412MHz Ant1 (MIMO) NTNV



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