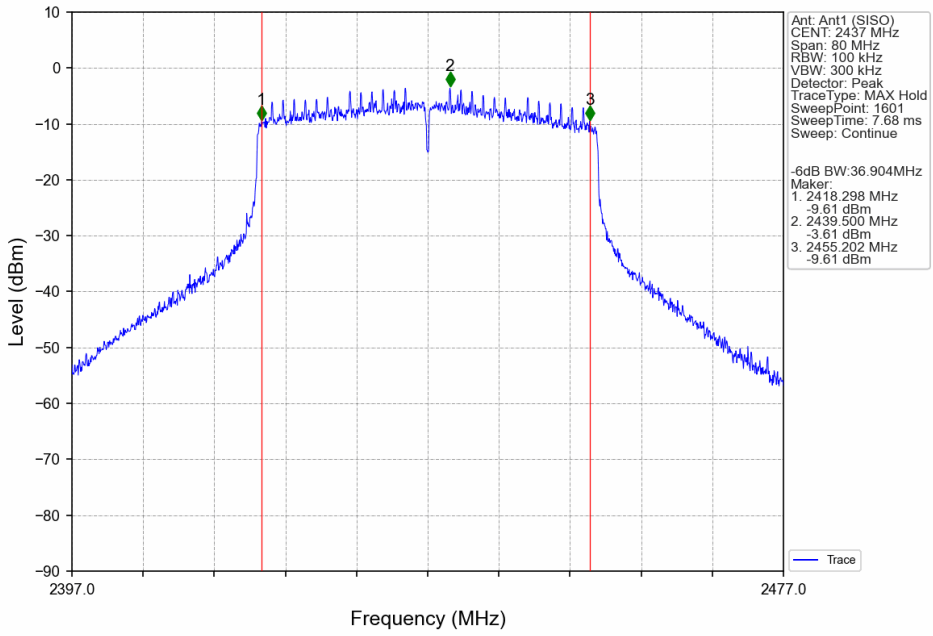
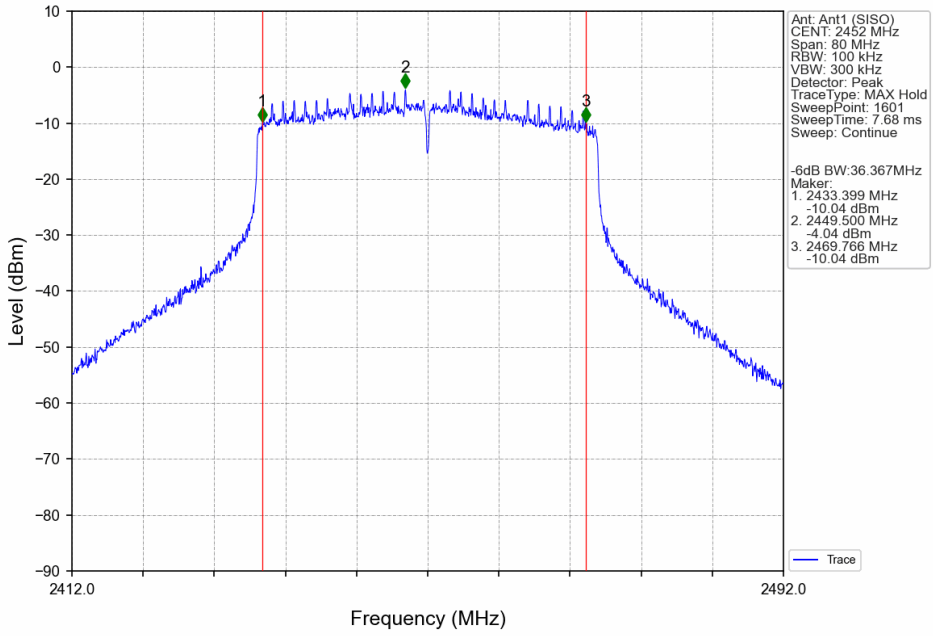
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

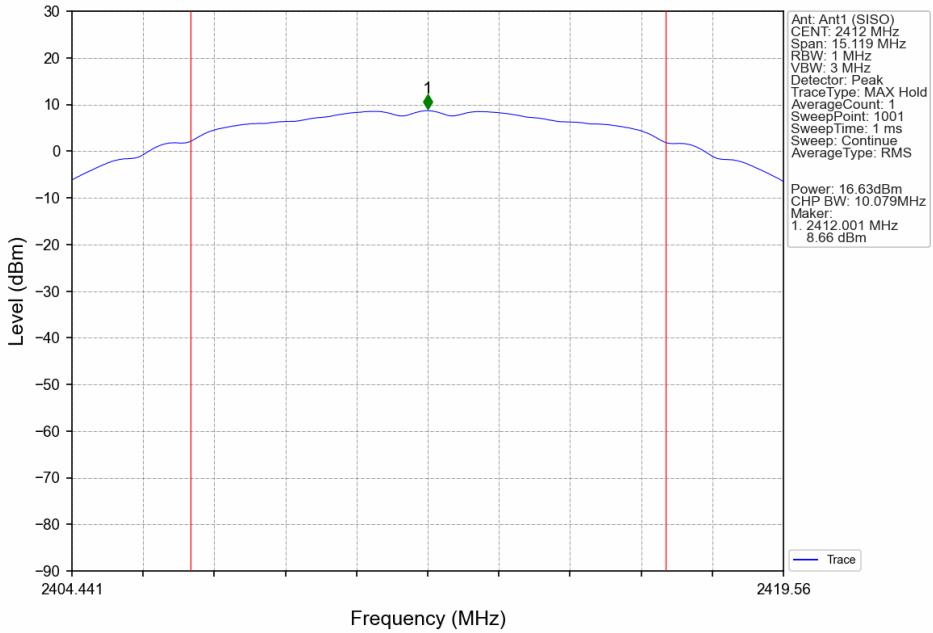
3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	16.63	<=30	Pass
		2437	/	/	16.31	<=30	Pass
		2462	/	/	16.76	<=30	Pass
802.11g	SISO	2412	/	/	18.49	<=30	Pass
		2437	/	/	18.80	<=30	Pass
		2462	/	/	19.46	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	18.01	<=30	Pass
		2437	/	/	17.45	<=30	Pass
		2462	/	/	17.62	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	18.10	<=30	Pass
		2437	/	/	18.77	<=30	Pass
		2452	/	/	18.25	<=30	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	19.23	<=30	Pass
		2437	RU242	Left	18.96	<=30	Pass
		2462	RU242	Left	19.04	<=30	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	19.14	<=30	Pass
		2437	RU484	Left	18.82	<=30	Pass
		2452	RU484	Left	18.27	<=30	Pass
Note1: Antenna Gain: Ant1: 1.17dBi;							

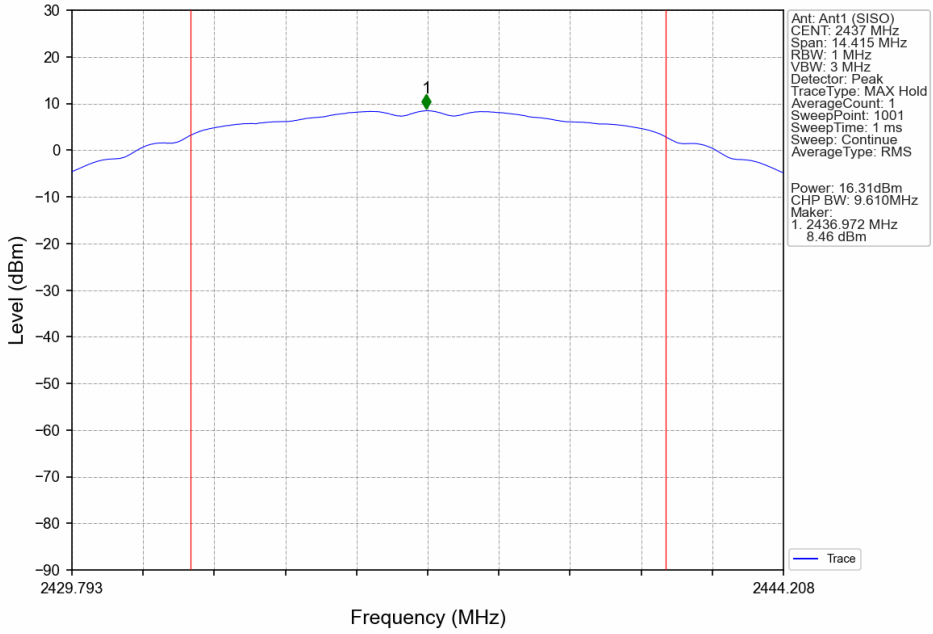
3.2 Test Graph

3.2.1 Power

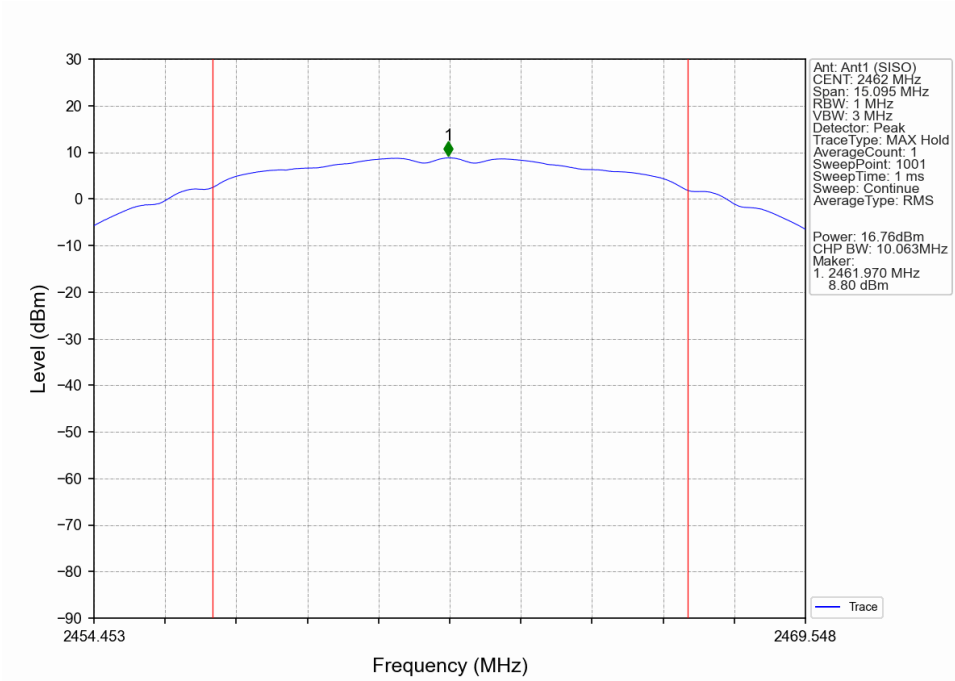
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



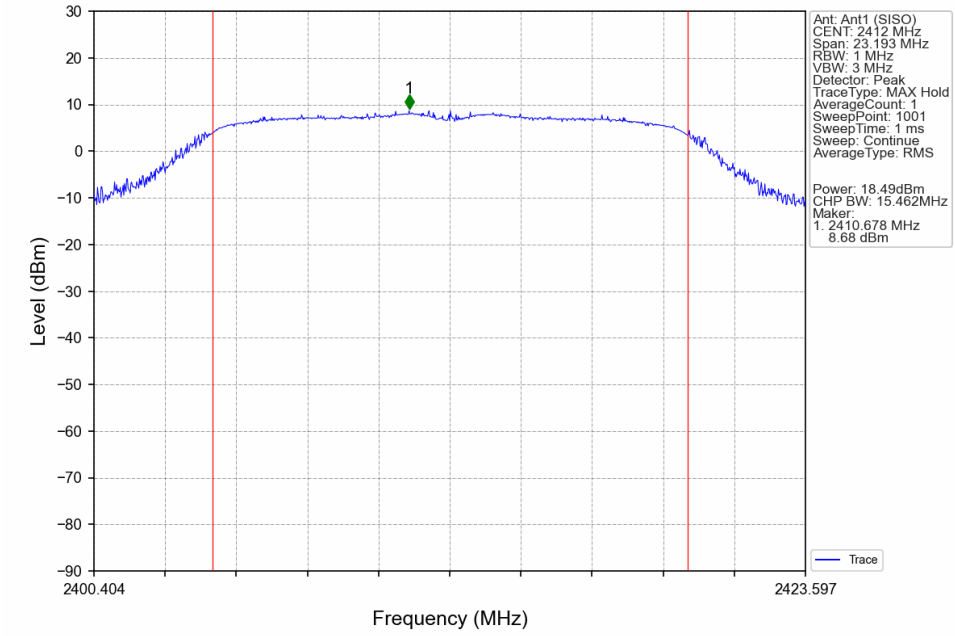
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



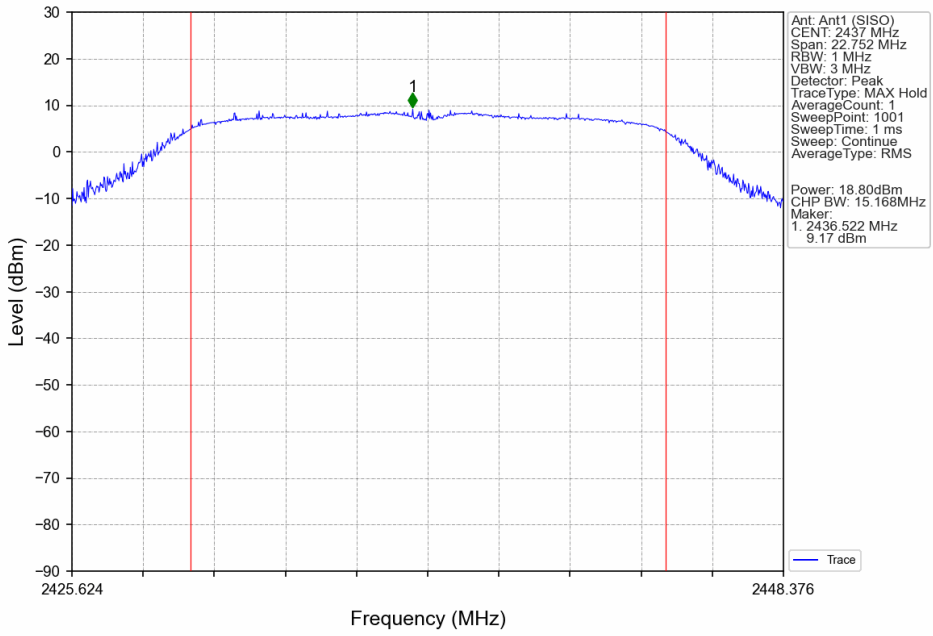
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



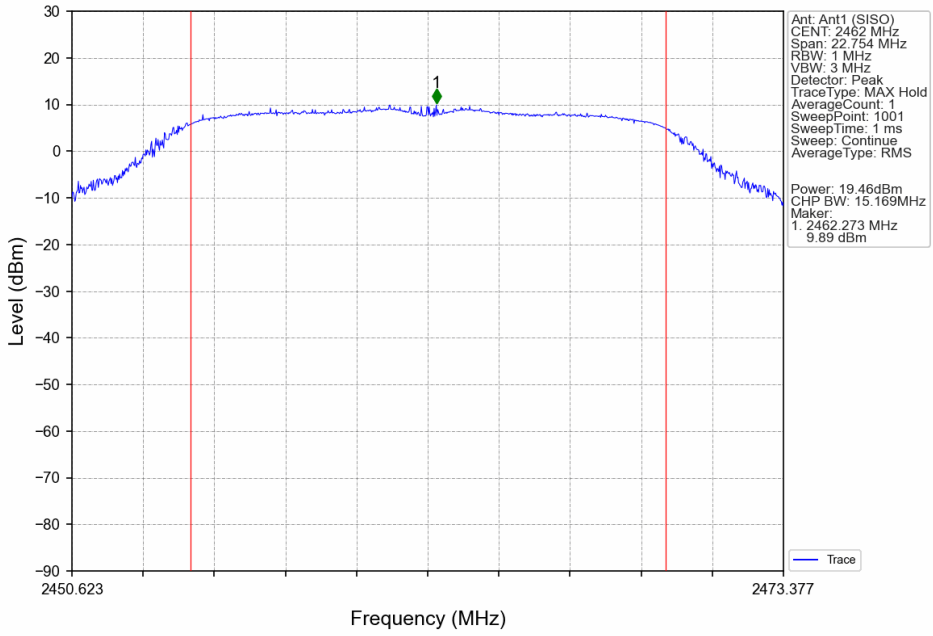
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



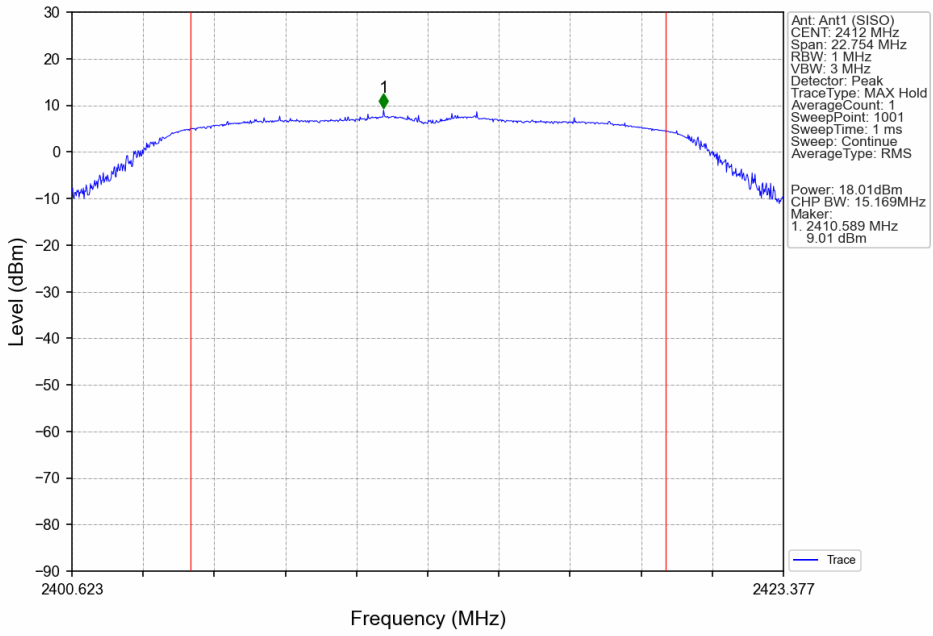
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



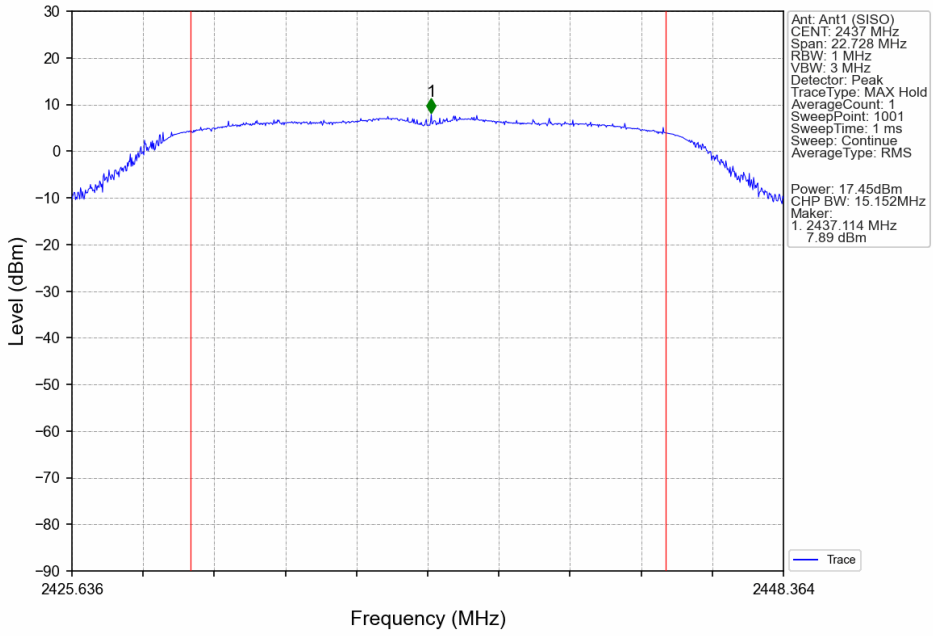
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



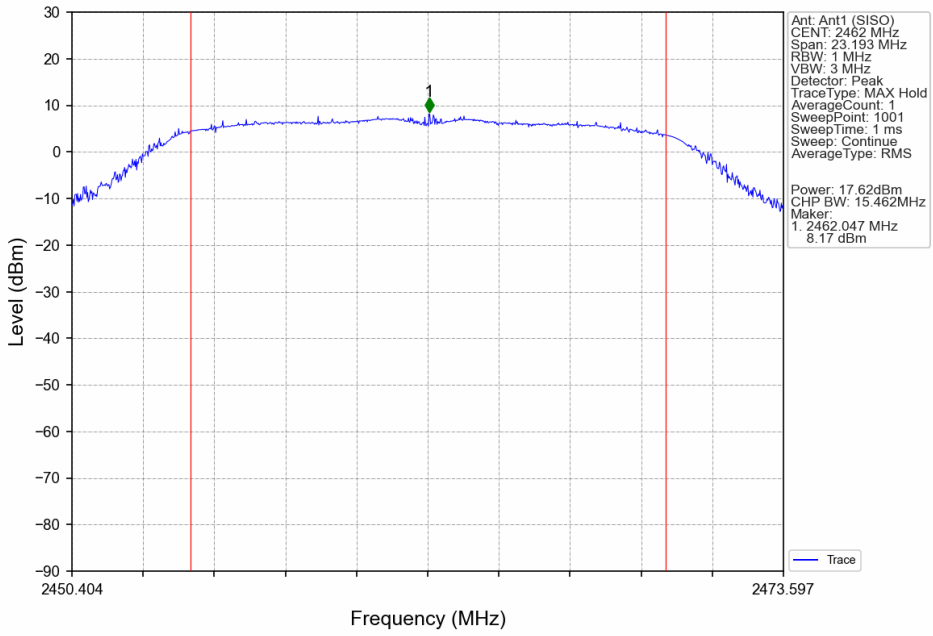
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



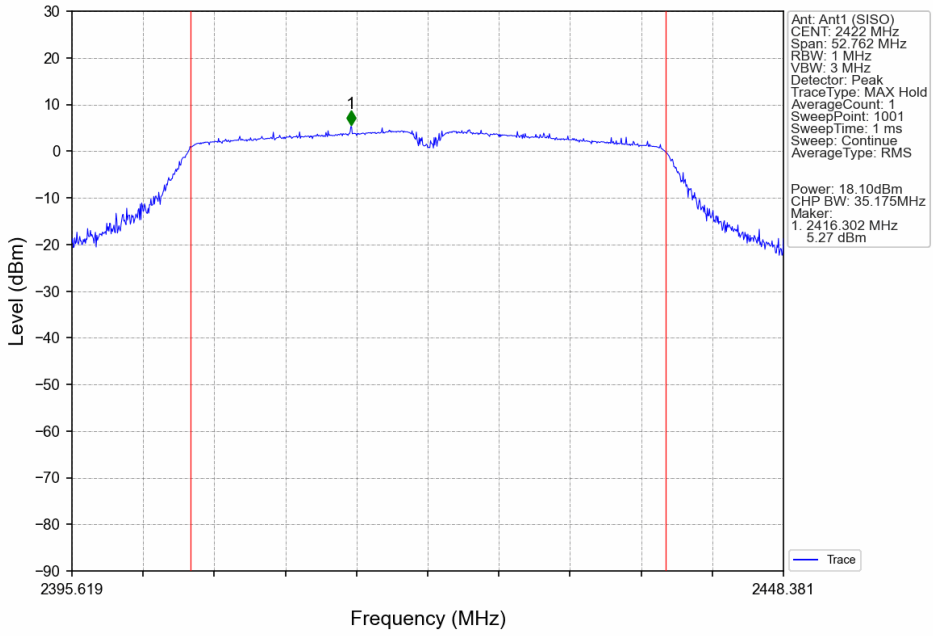
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



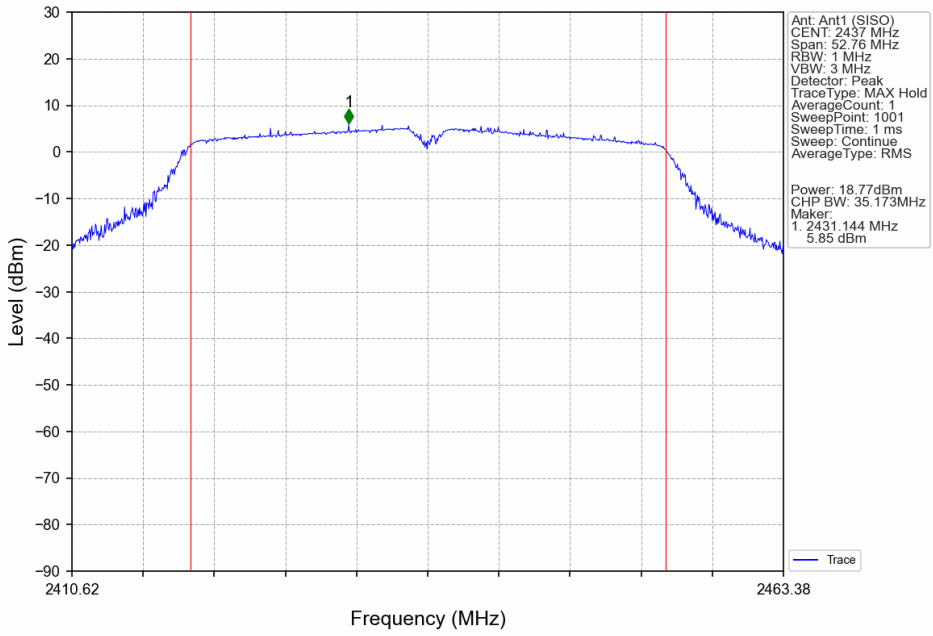
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



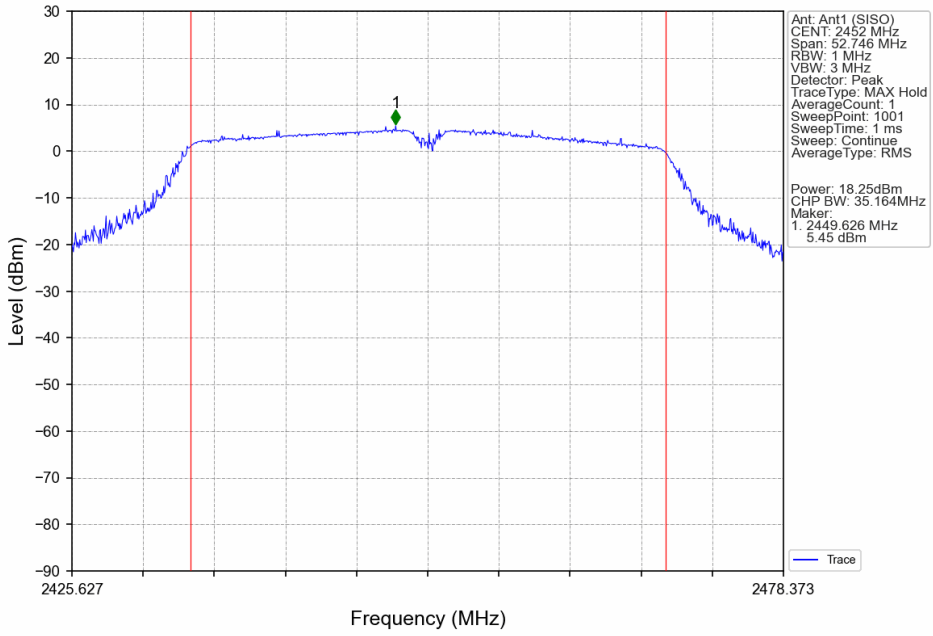
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



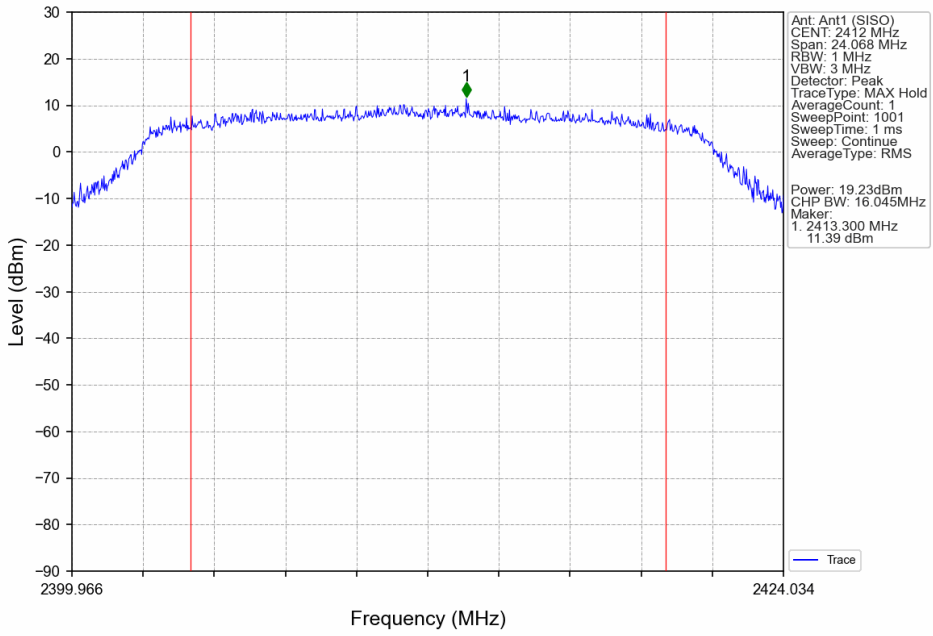
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



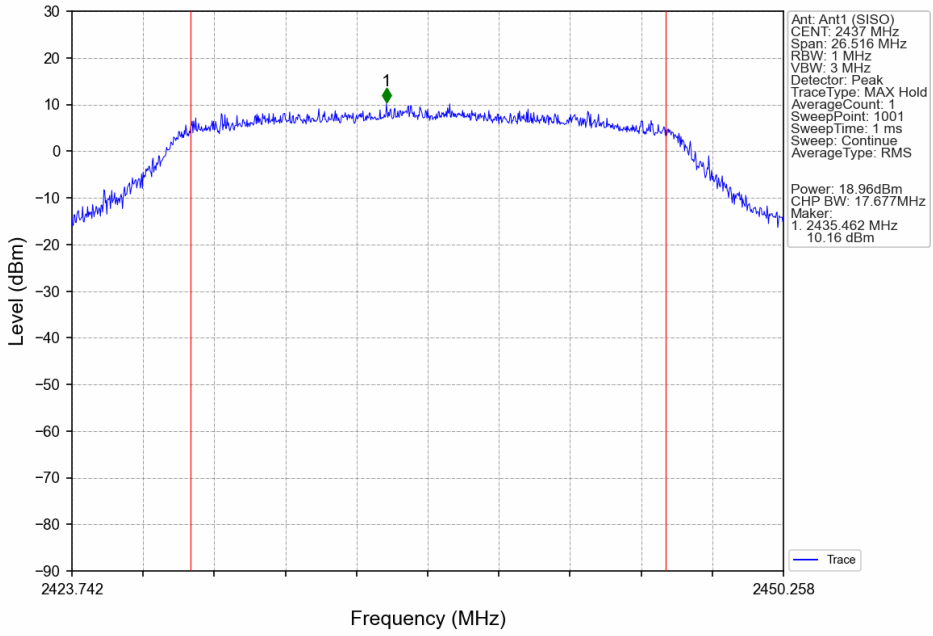
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



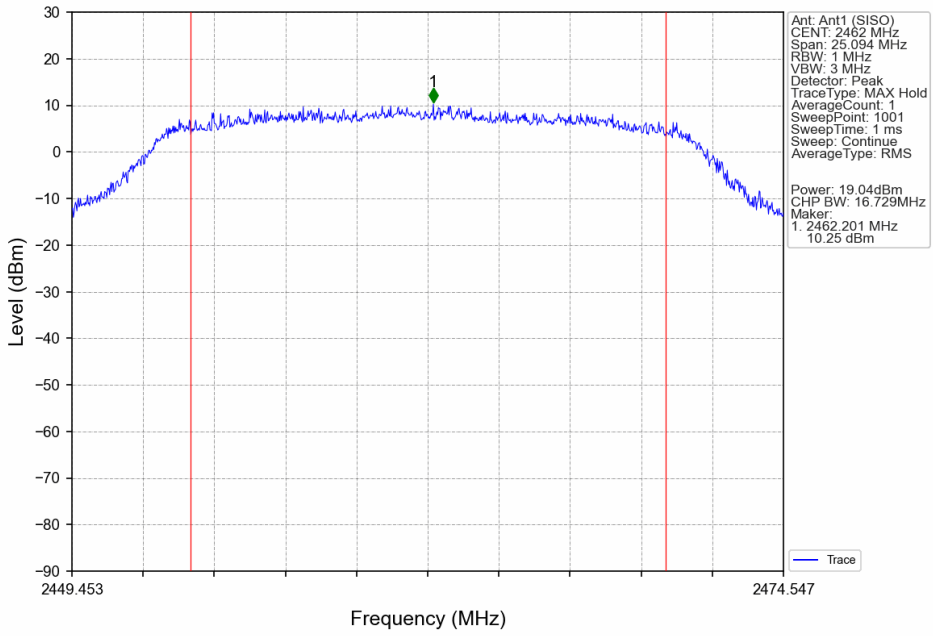
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



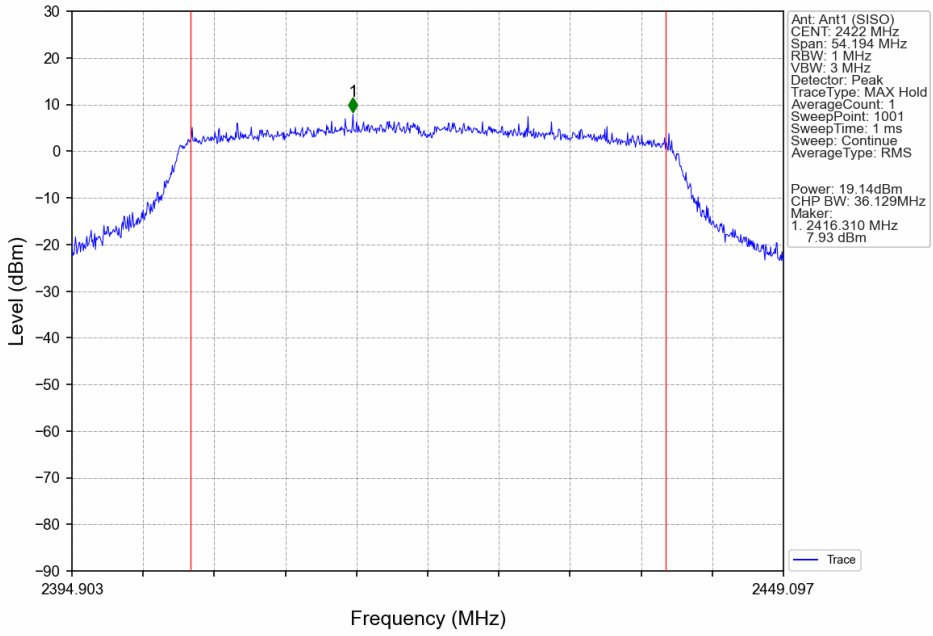
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



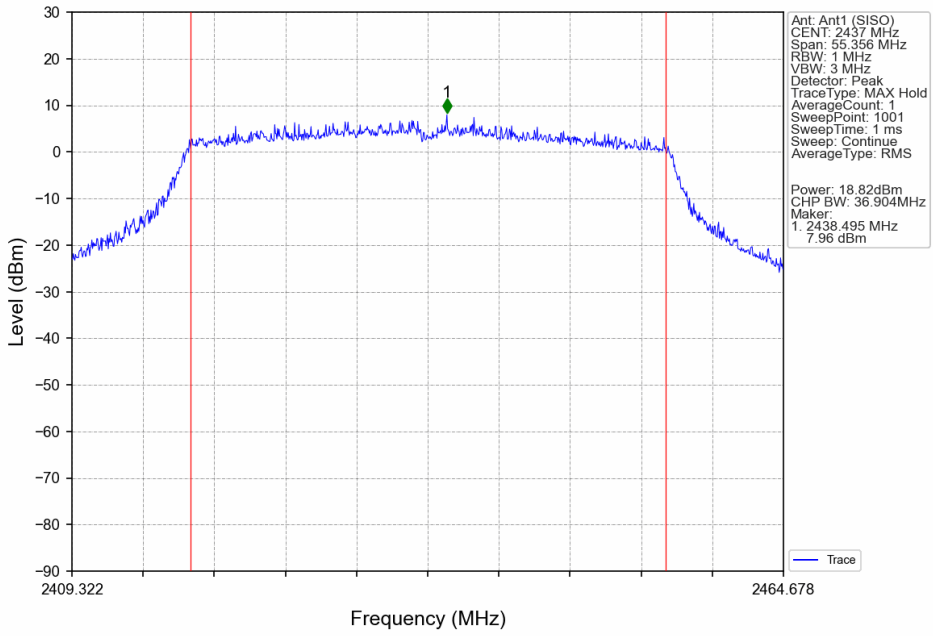
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



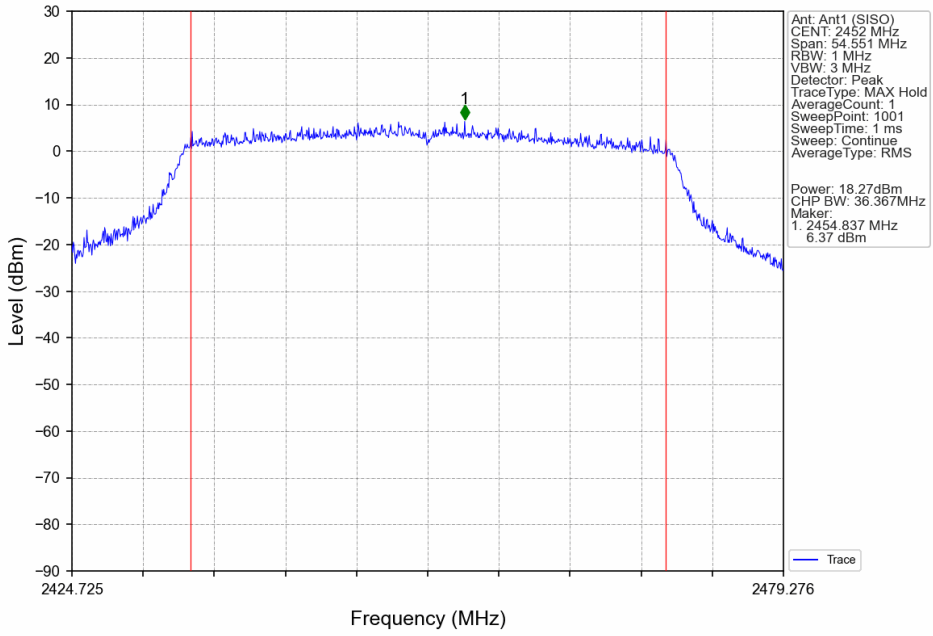
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

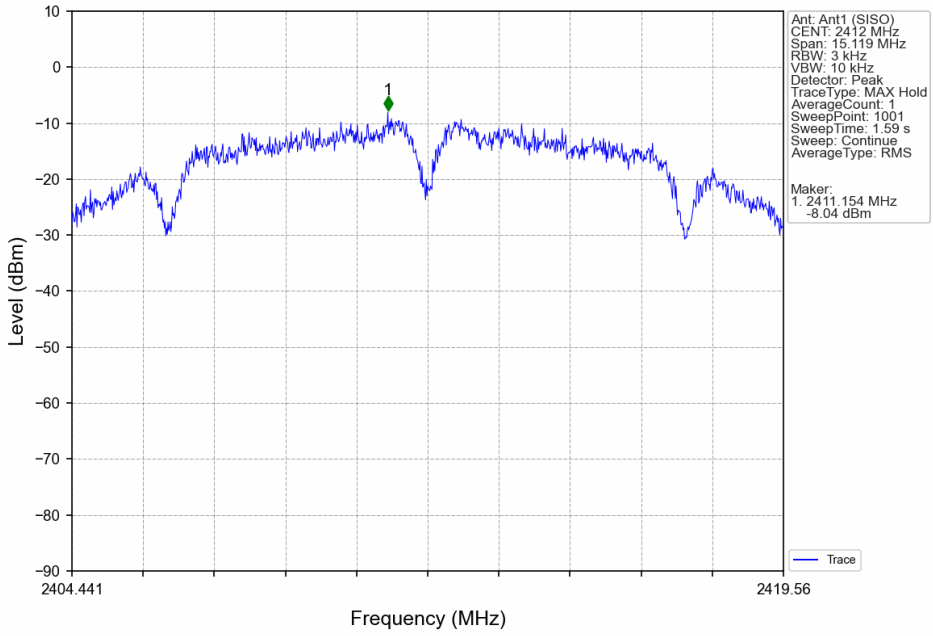
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-8.04	<=8	Pass
		2437	/	/	-9.19	<=8	Pass
		2462	/	/	-8.74	<=8	Pass
802.11g	SISO	2412	/	/	-13.36	<=8	Pass
		2437	/	/	-12.79	<=8	Pass
		2462	/	/	-12.50	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-14.88	<=8	Pass
		2437	/	/	-14.28	<=8	Pass
		2462	/	/	-15.56	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-17.30	<=8	Pass
		2437	/	/	-16.69	<=8	Pass
		2452	/	/	-16.25	<=8	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	-15.49	<=8	Pass
		2437	RU242	Left	-15.46	<=8	Pass
		2462	RU242	Left	-15.07	<=8	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	-17.84	<=8	Pass
		2437	RU484	Left	-19.23	<=8	Pass
		2452	RU484	Left	-17.06	<=8	Pass
Note1: Antenna Gain: Ant1: 1.17dBi;							

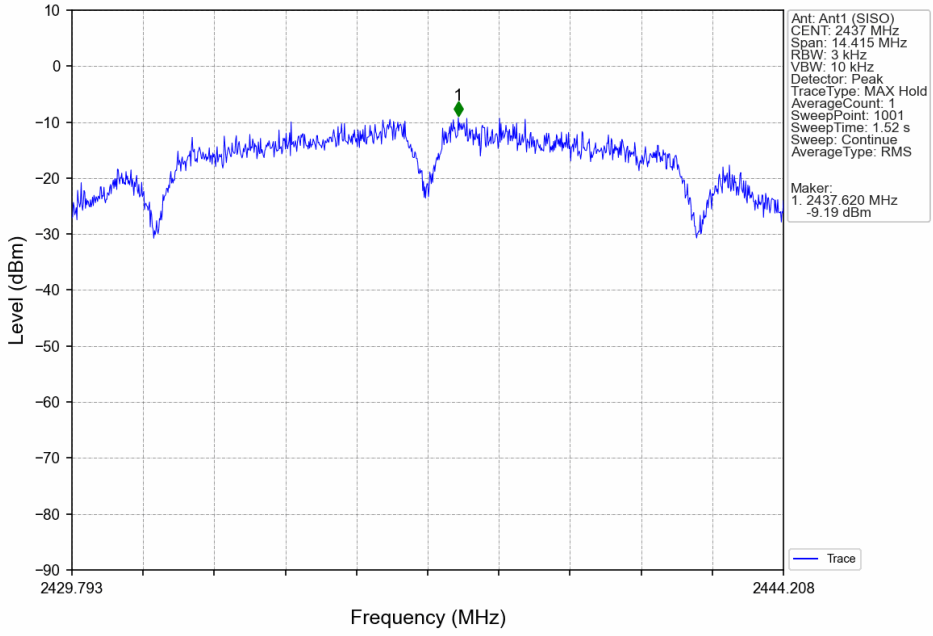
4.2 Test Graph

4.2.1 PSD

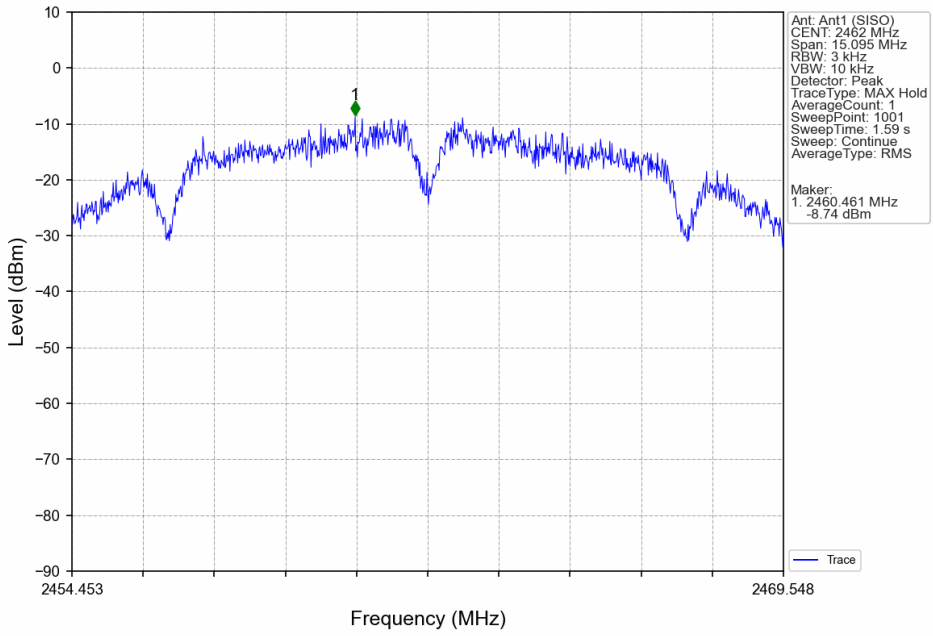
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



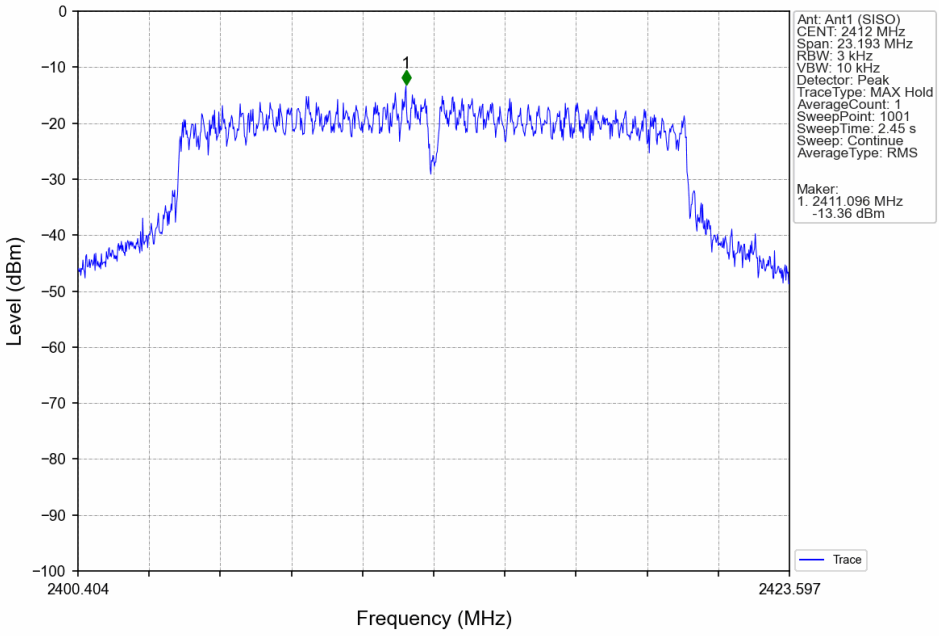
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



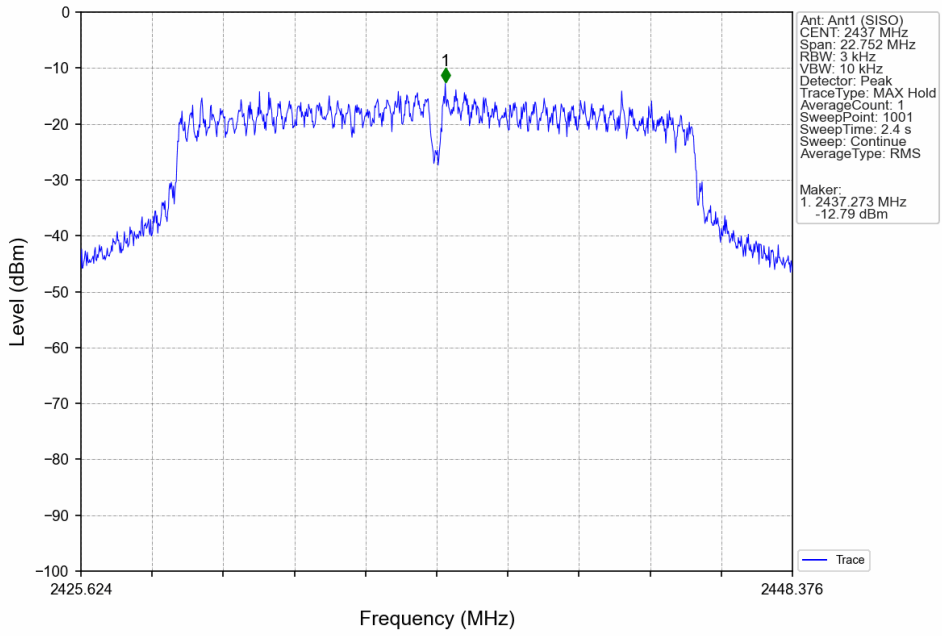
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



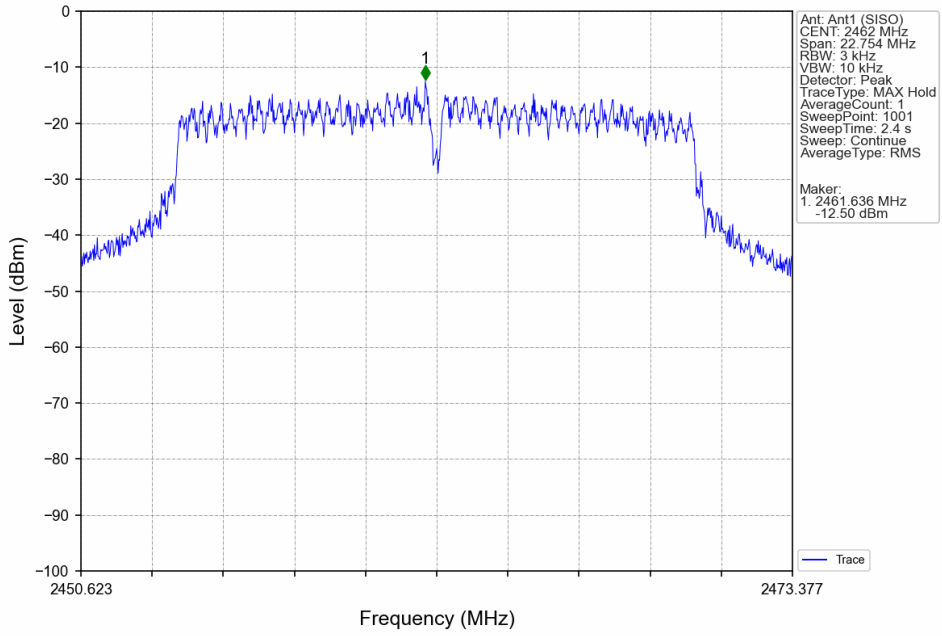
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



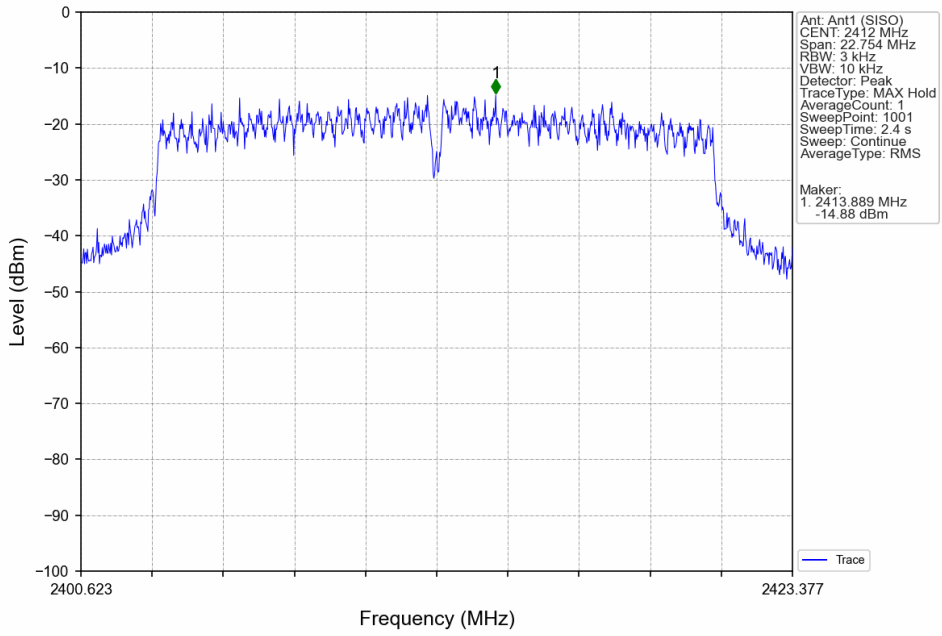
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



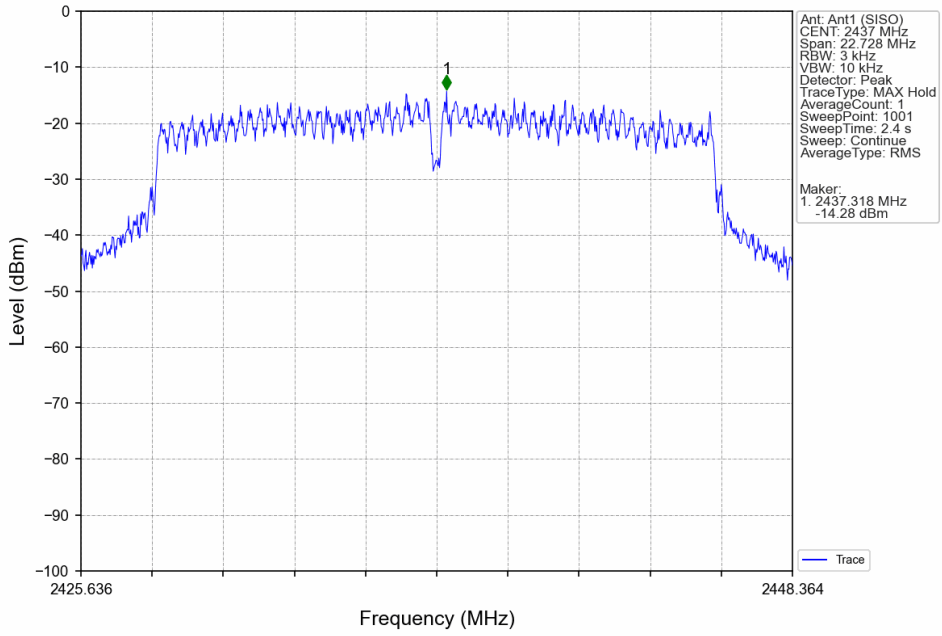
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



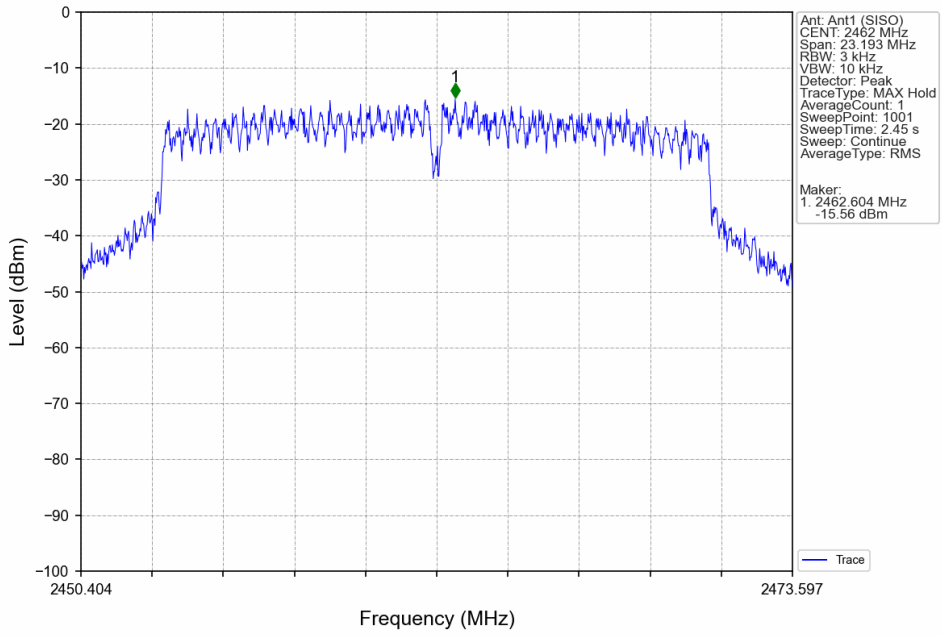
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



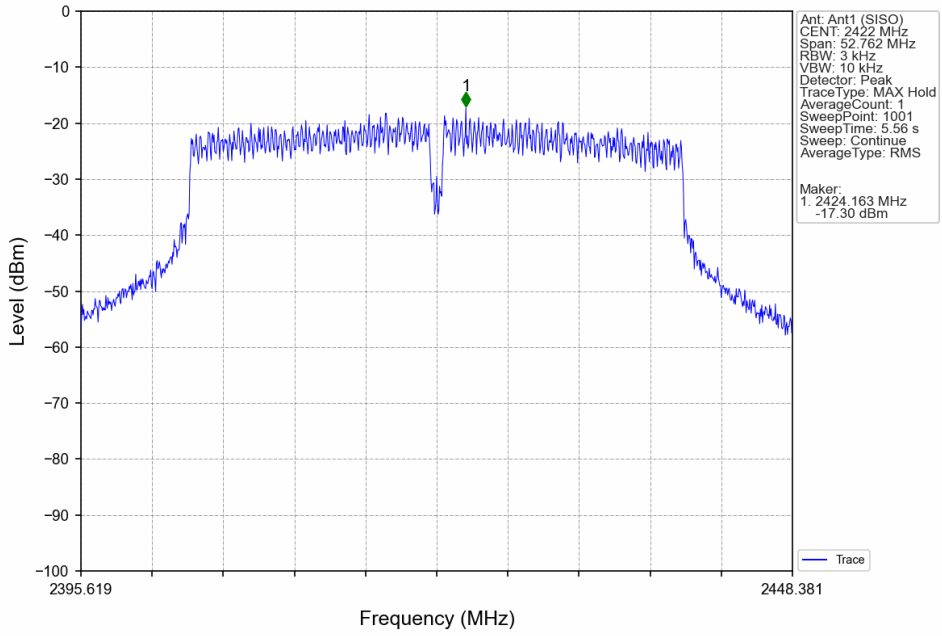
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



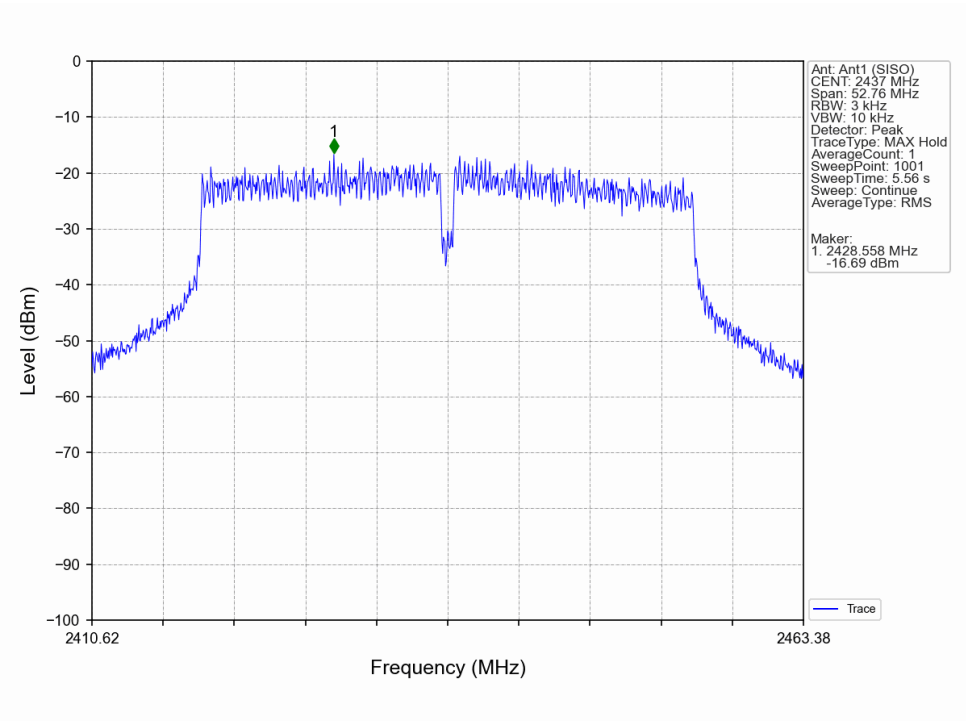
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



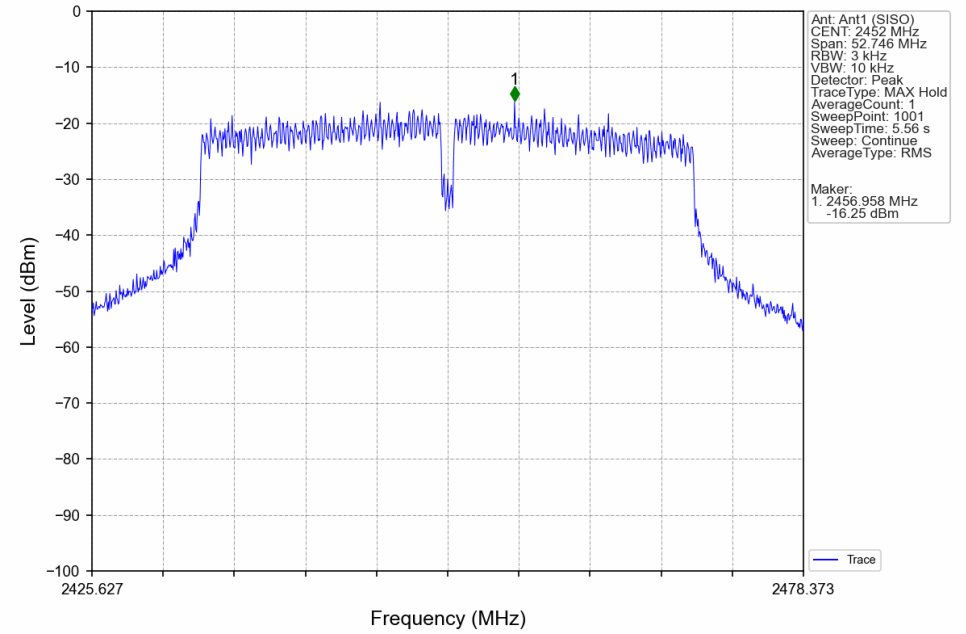
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



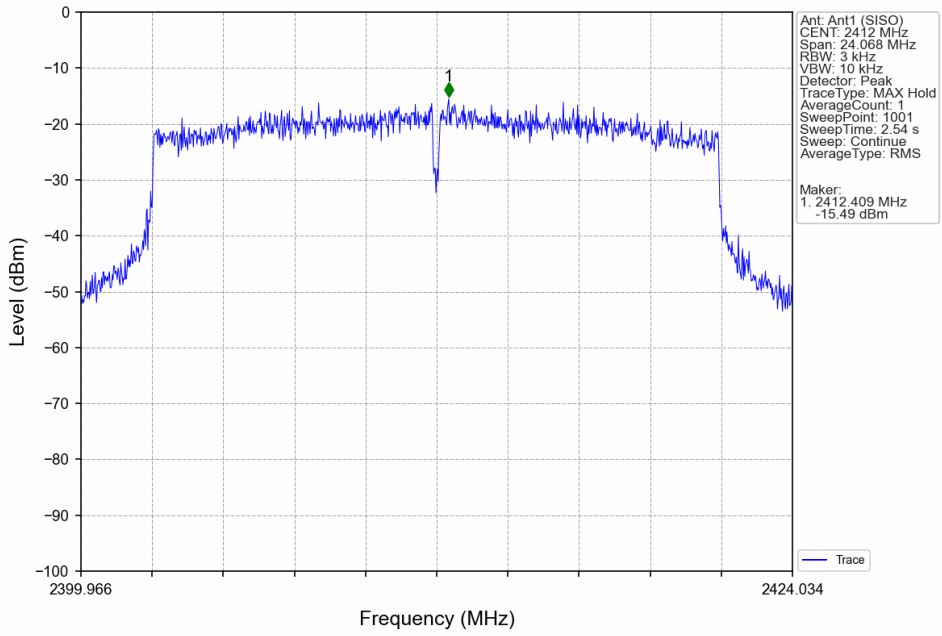
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



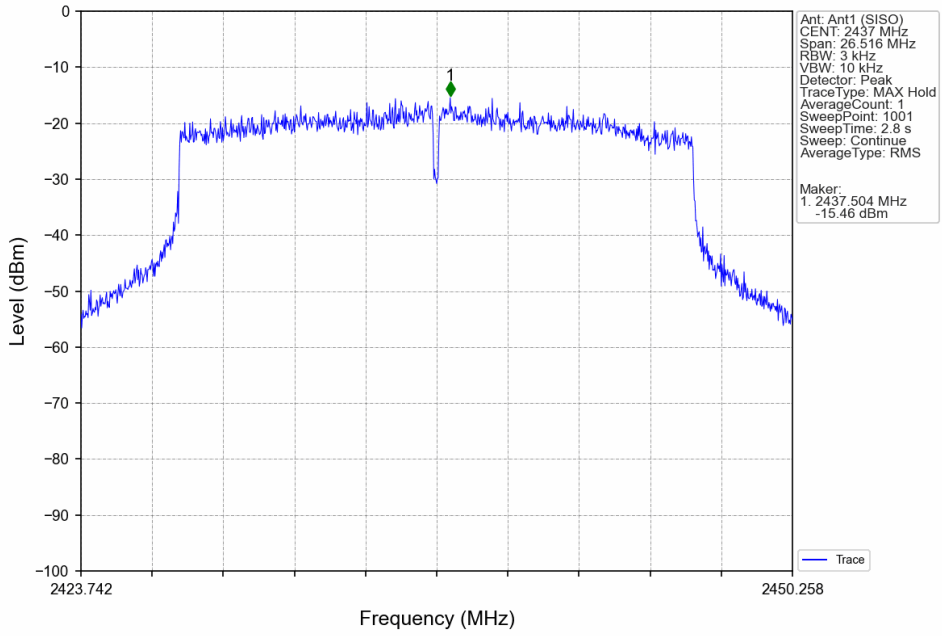
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



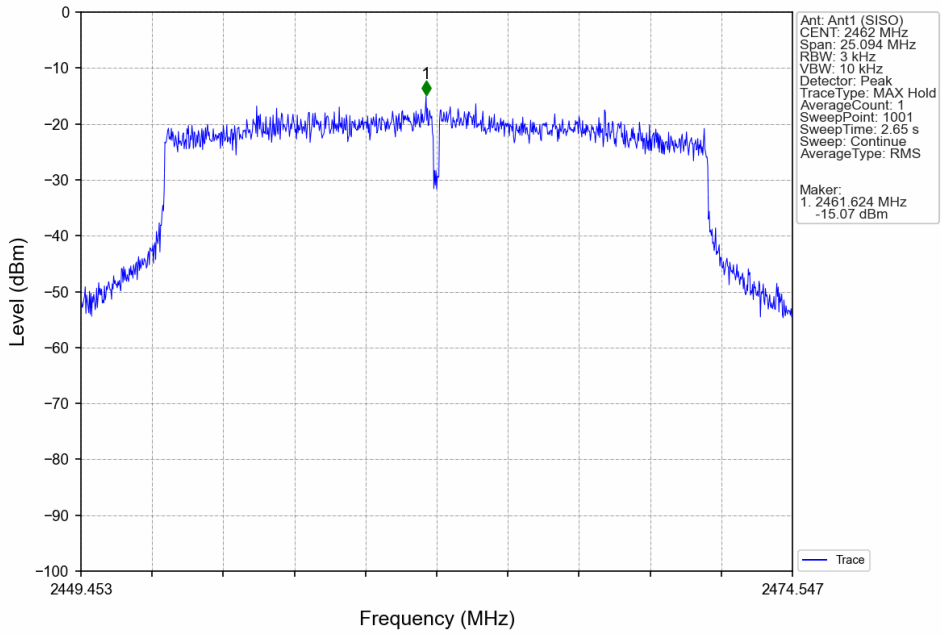
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



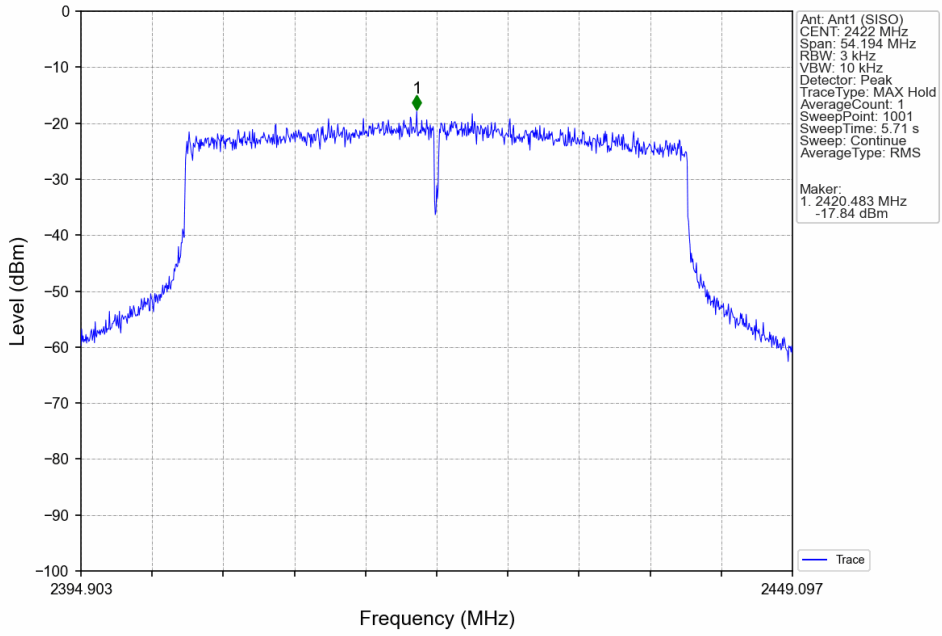
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



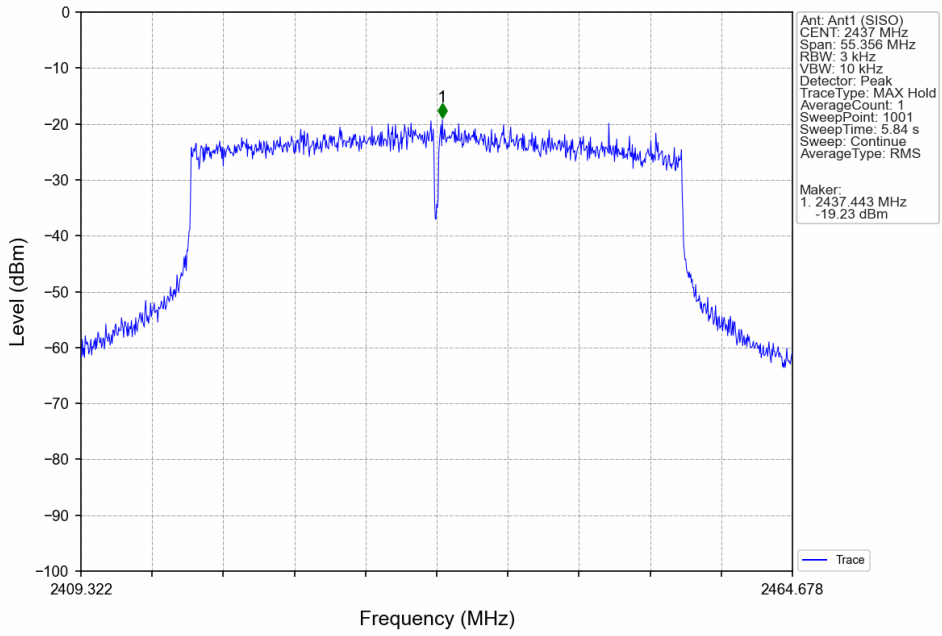
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



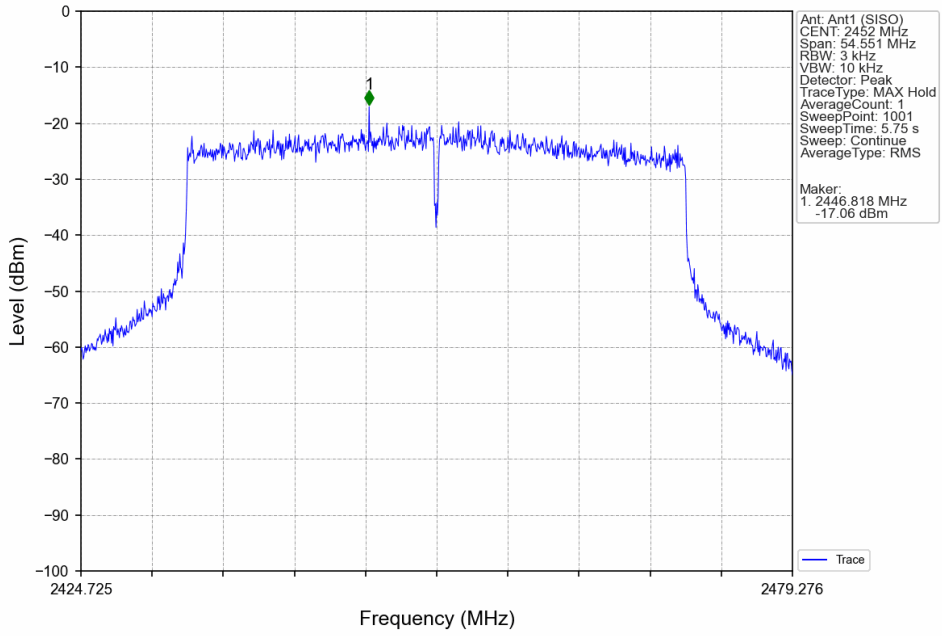
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	5.69
		2437	/	/	1	5.60
		2462	/	/	1	5.45
802.11g	SISO	2412	/	/	1	0.57
		2437	/	/	1	0.39
		2462	/	/	1	1.12
802.11n (HT20)	SISO	2412	/	/	1	0.37
		2437	/	/	1	-0.09
		2462	/	/	1	-0.01
802.11n (HT40)	SISO	2422	/	/	1	-3.10
		2437	/	/	1	-2.35
		2452	/	/	1	-2.83
802.11ax (HEW20)	SISO	2412	RU242	Left	1	0.42
		2437	RU242	Left	1	-0.22
		2462	RU242	Left	1	-0.02
802.11ax (HEW40)	SISO	2422	RU484	Left	1	-3.08
		2437	RU484	Left	1	-3.51
		2452	RU484	Left	1	-4.05
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 CSE

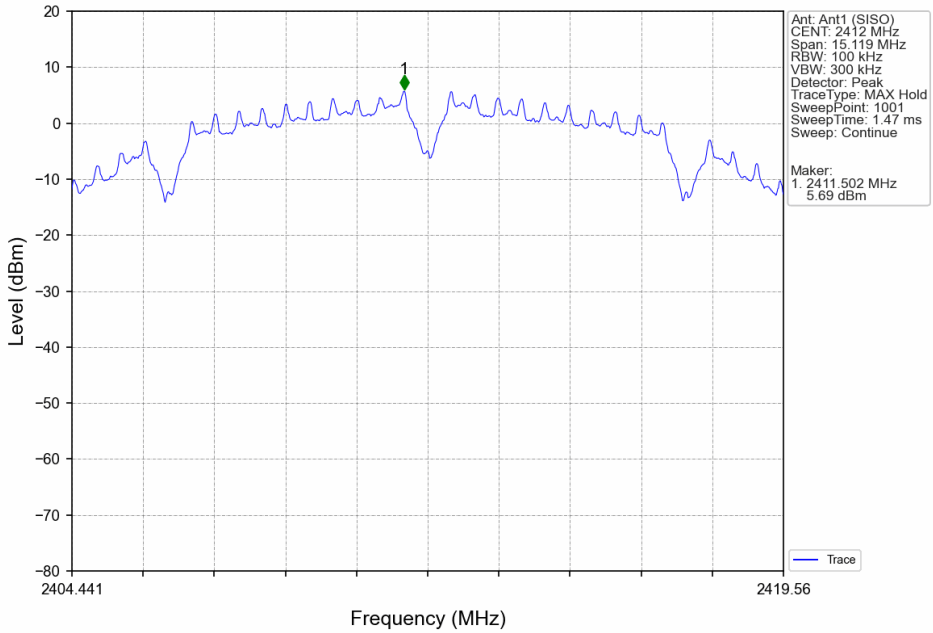
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	5.69	-14.31	Pass
		2437	/	/	1	5.69	-14.31	Pass
		2462	/	/	1	5.69	-14.31	Pass
802.11g	SISO	2412	/	/	1	1.12	-18.88	Pass
		2437	/	/	1	1.12	-18.88	Pass
		2462	/	/	1	1.12	-18.88	Pass

802.11n (HT20)	SISO	2412	/	/	1	0.37	-19.63	Pass
		2437	/	/	1	0.37	-19.63	Pass
		2462	/	/	1	0.37	-19.63	Pass
802.11n (HT40)	SISO	2422	/	/	1	-2.35	-22.35	Pass
		2437	/	/	1	-2.35	-22.35	Pass
		2452	/	/	1	-2.35	-22.35	Pass
802.11ax (HEW20)	SISO	2412	RU242	Left	1	0.42	-19.58	Pass
		2437	RU242	Left	1	0.42	-19.58	Pass
		2462	RU242	Left	1	0.42	-19.58	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	1	-3.08	-23.08	Pass
		2437	RU484	Left	1	-3.08	-23.08	Pass
		2452	RU484	Left	1	-3.08	-23.08	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.								

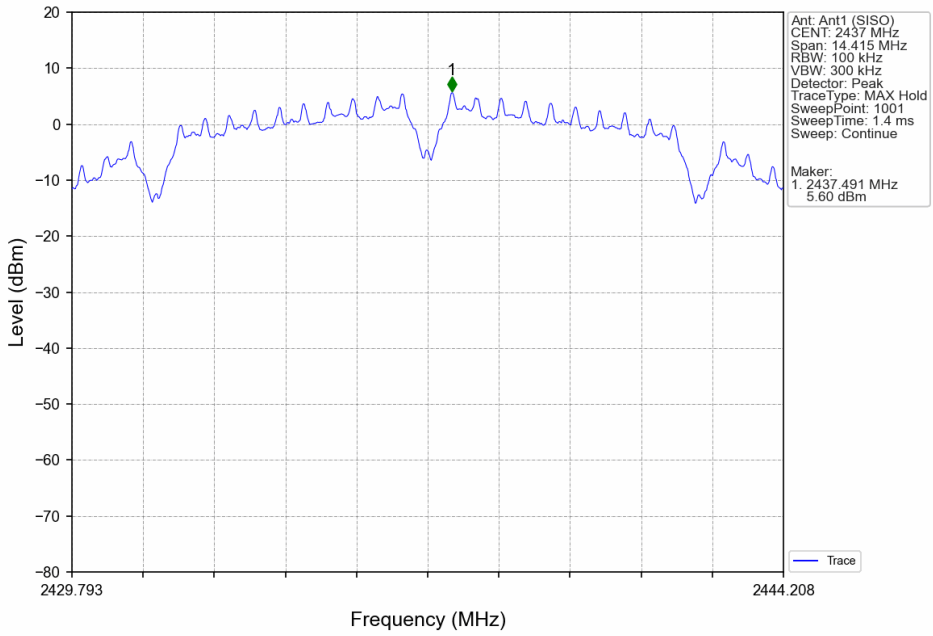
5.2 Test Graph

5.2.1 Ref

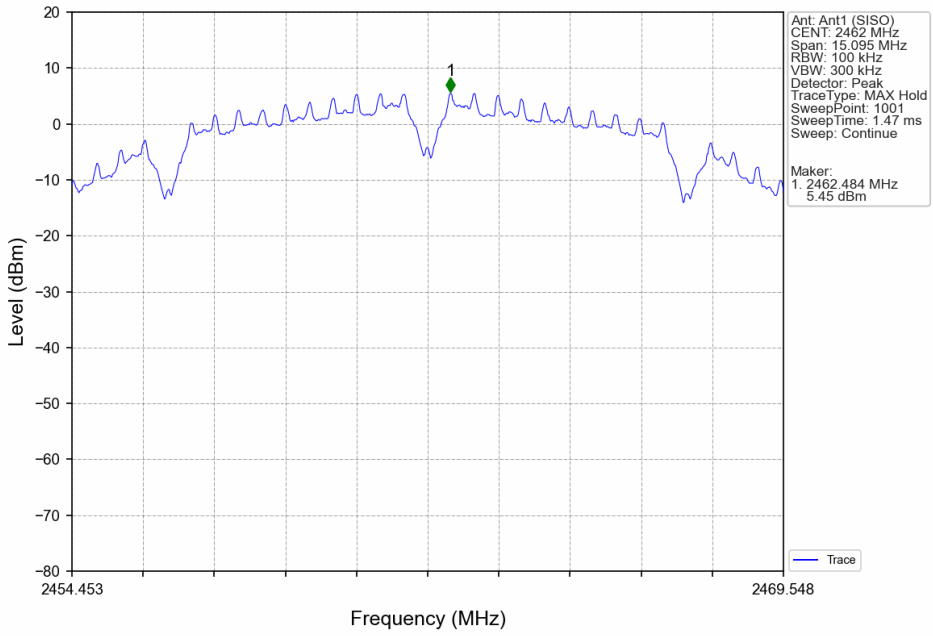
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



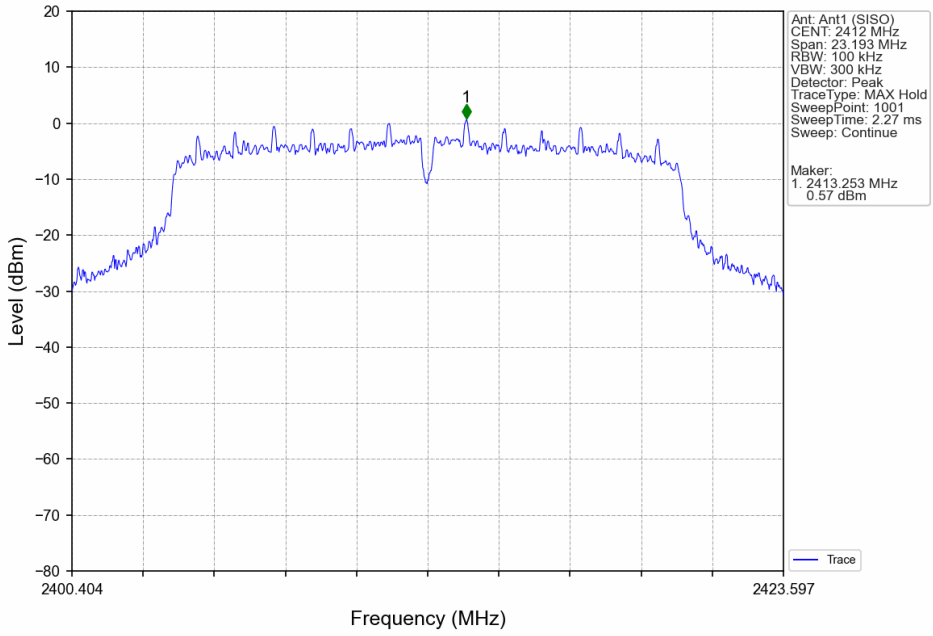
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



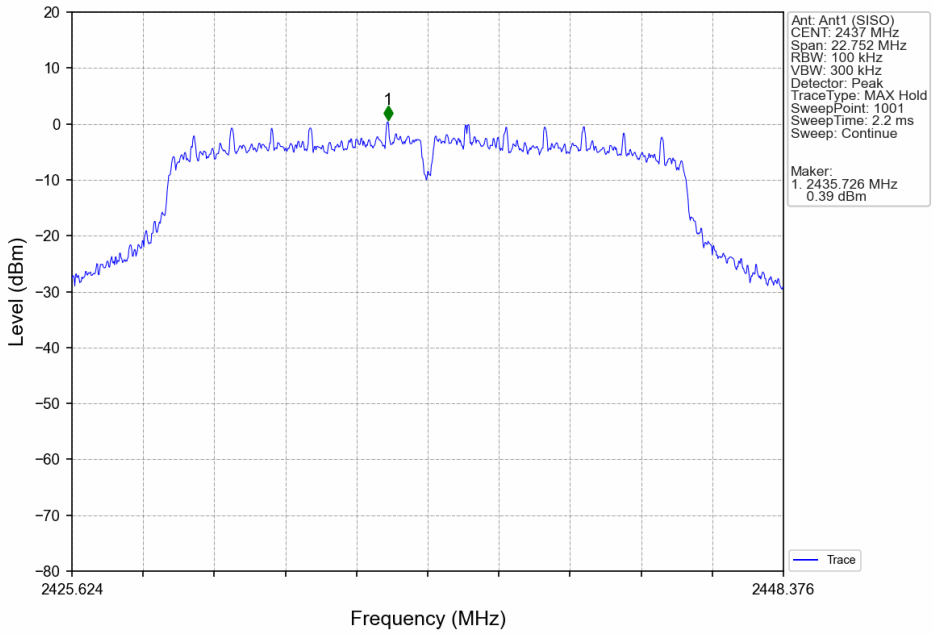
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



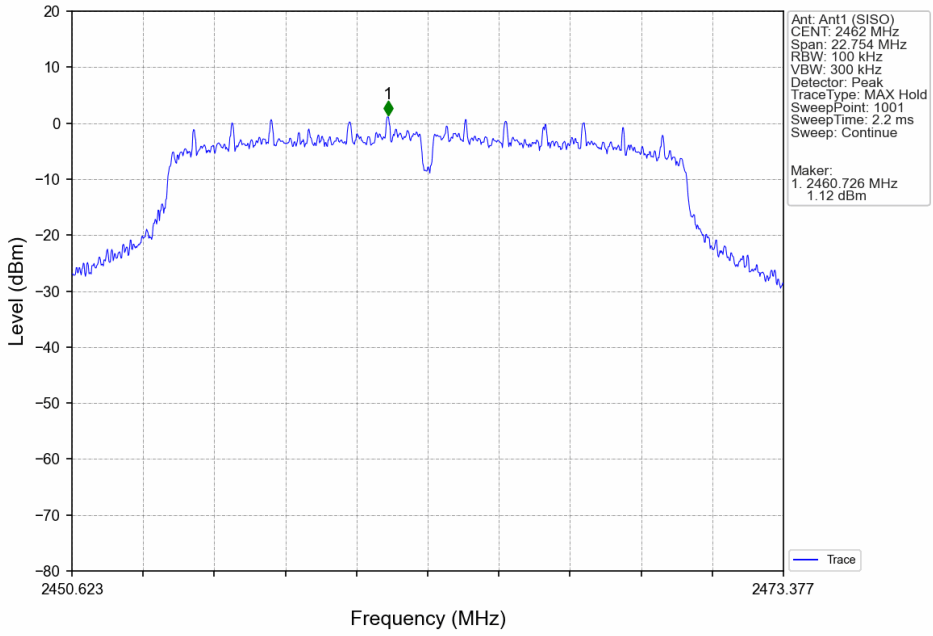
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



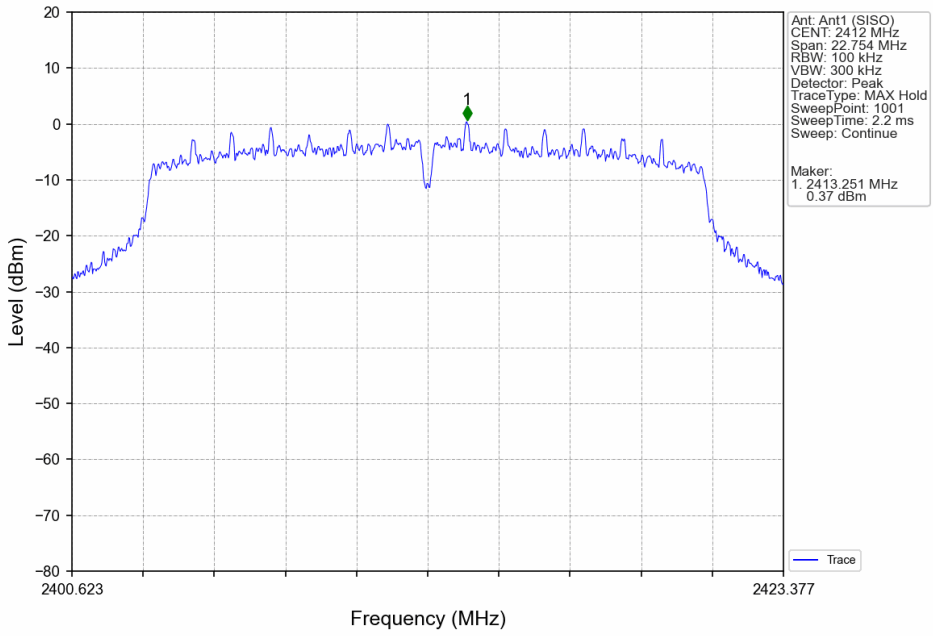
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



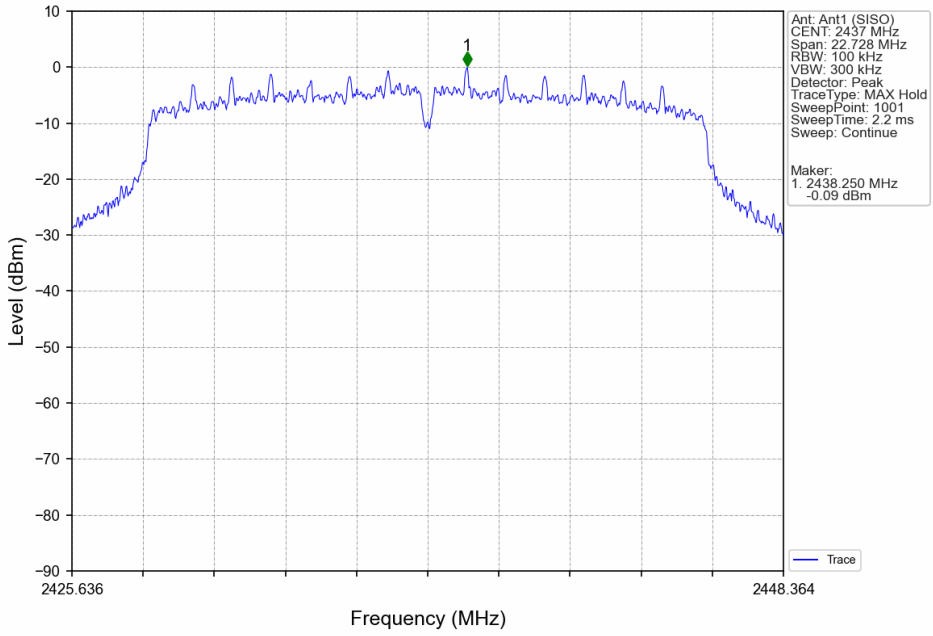
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



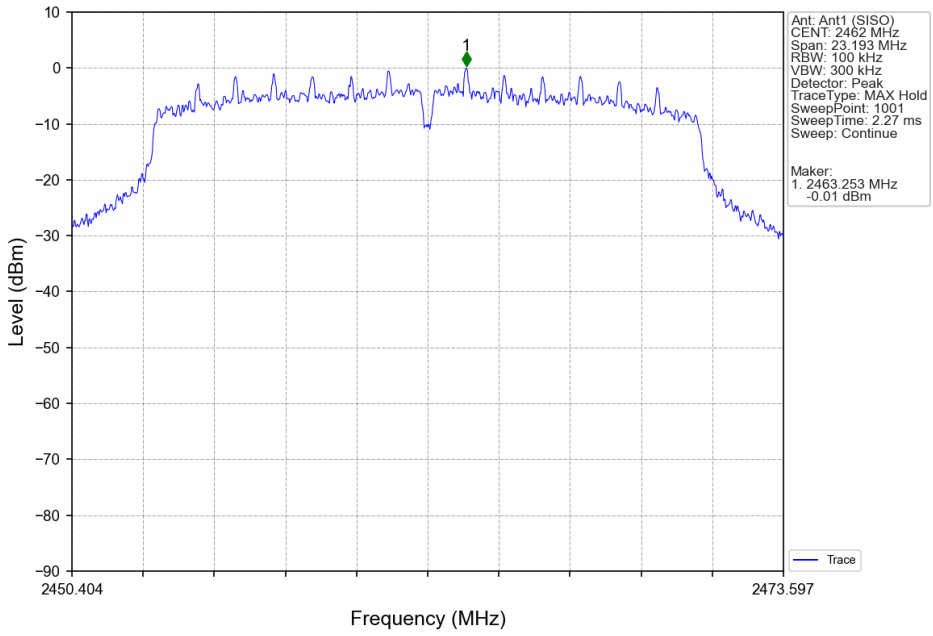
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



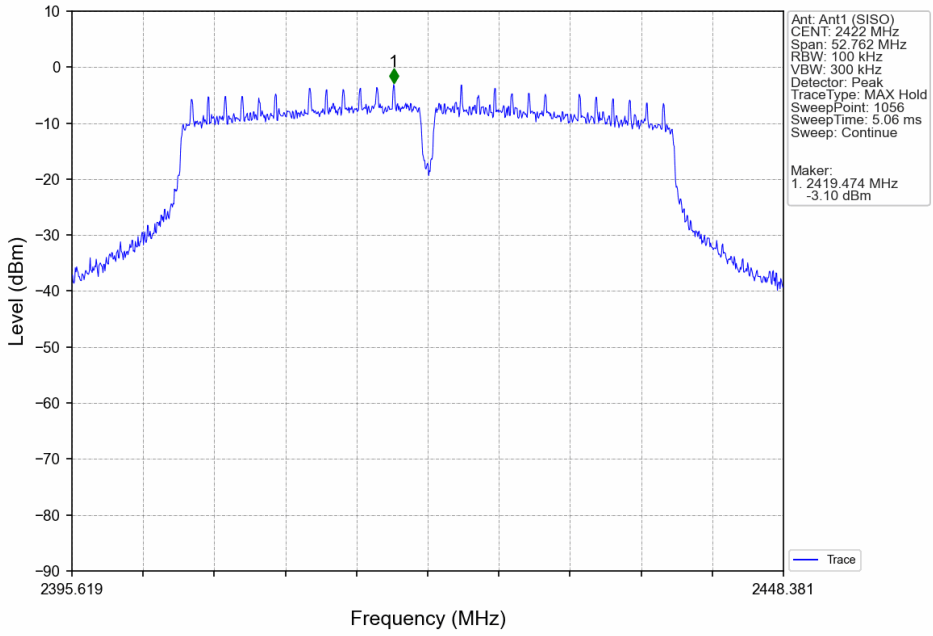
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



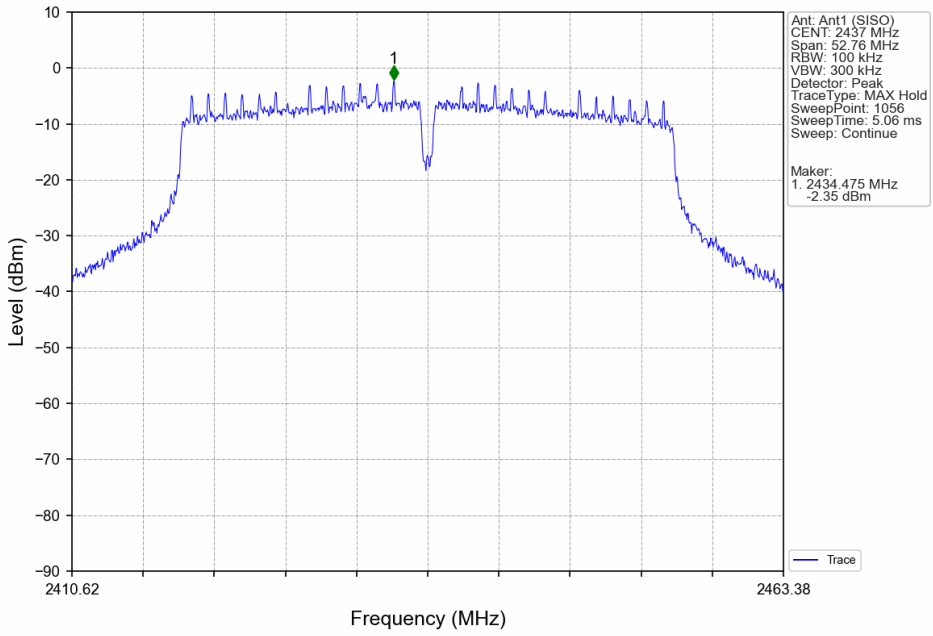
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



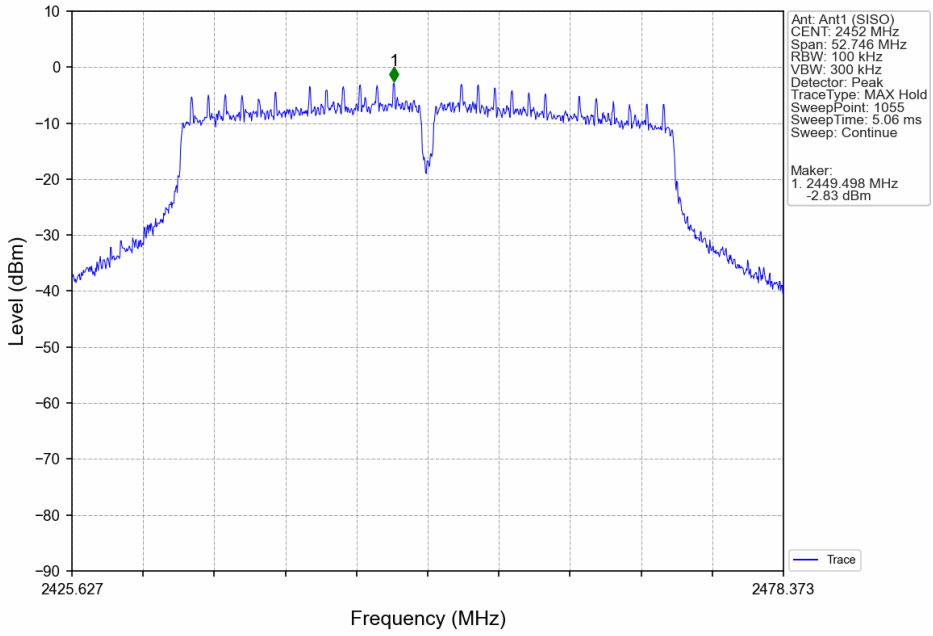
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



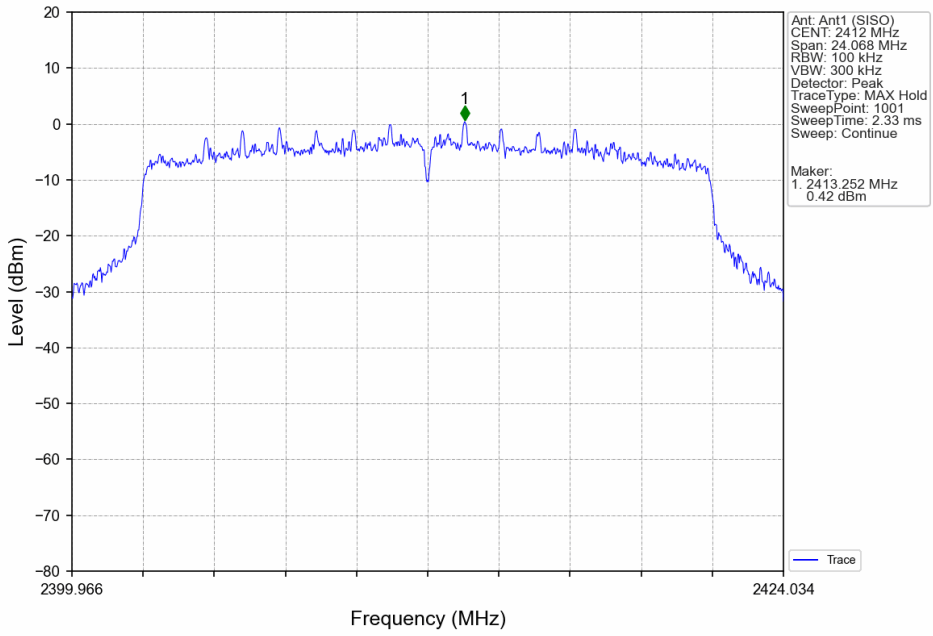
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



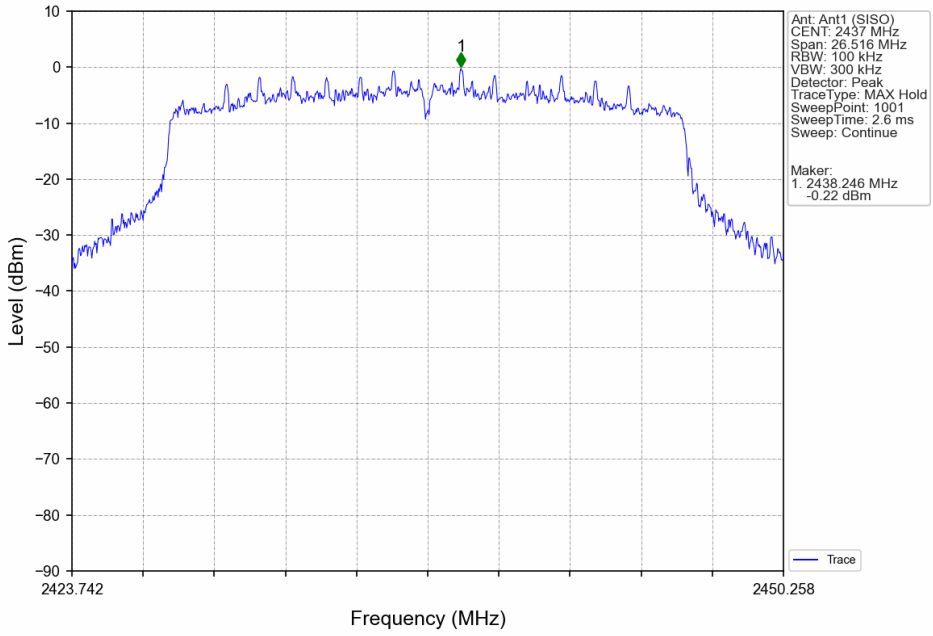
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



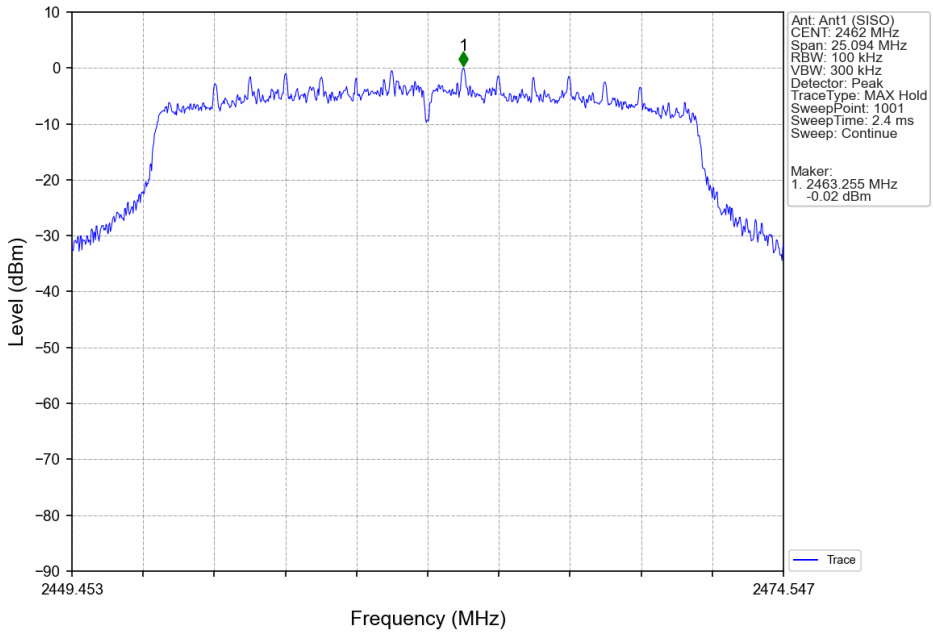
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



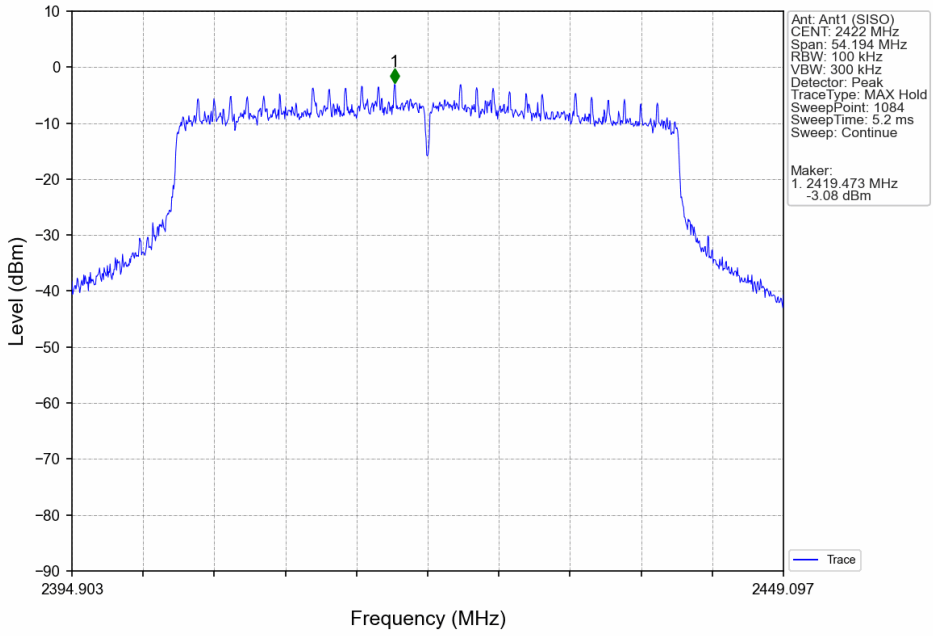
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



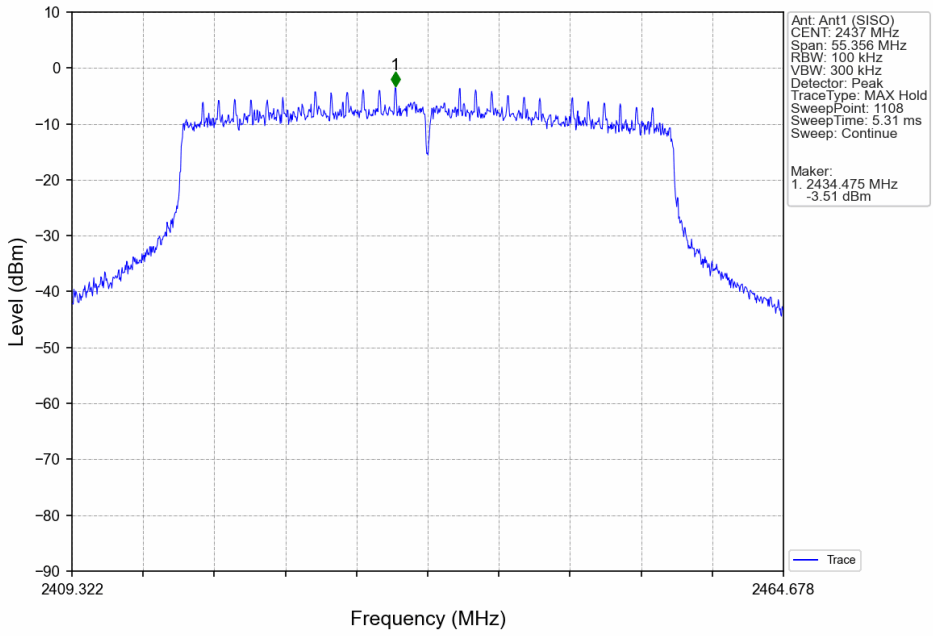
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



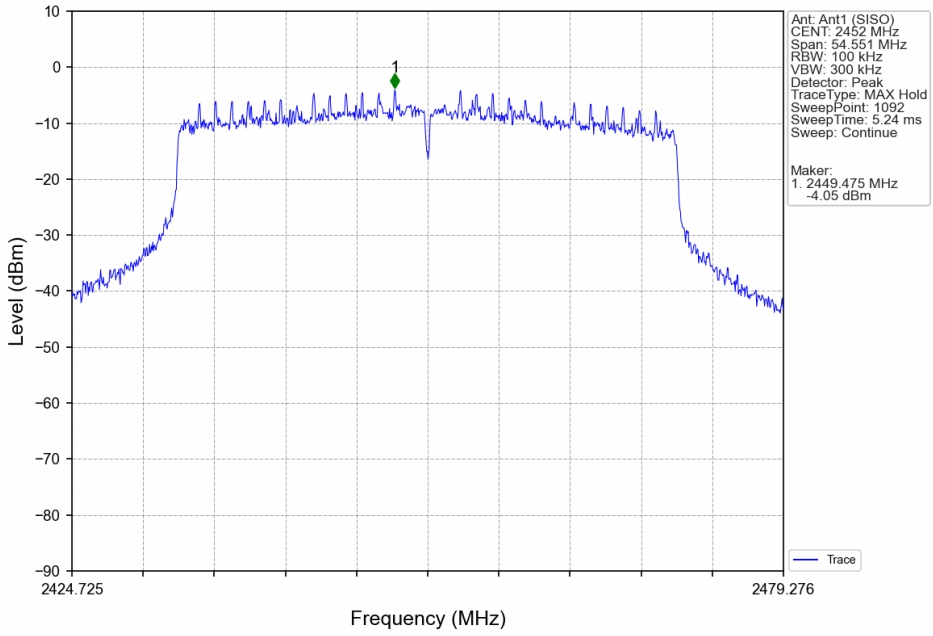
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV

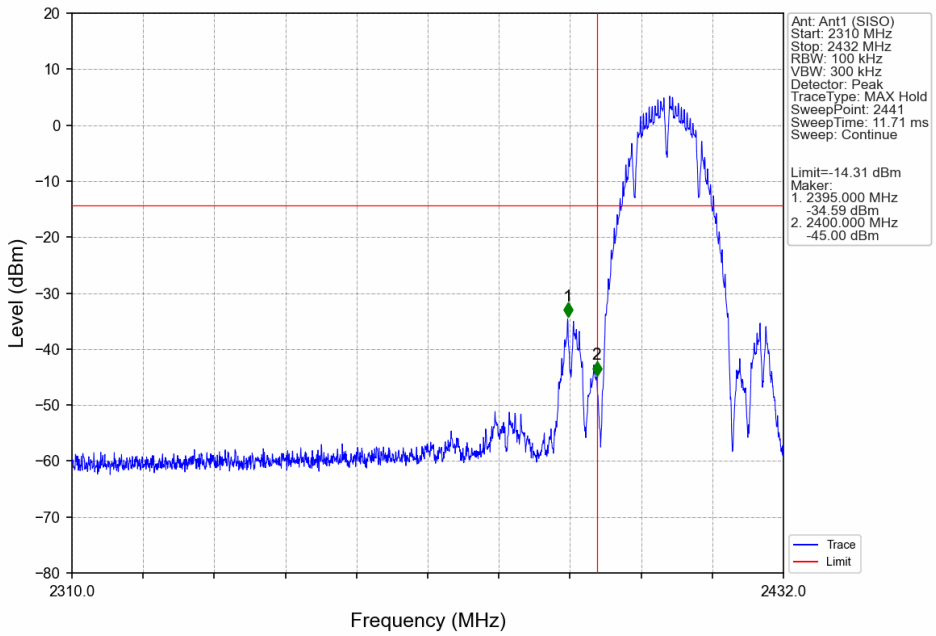


802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV

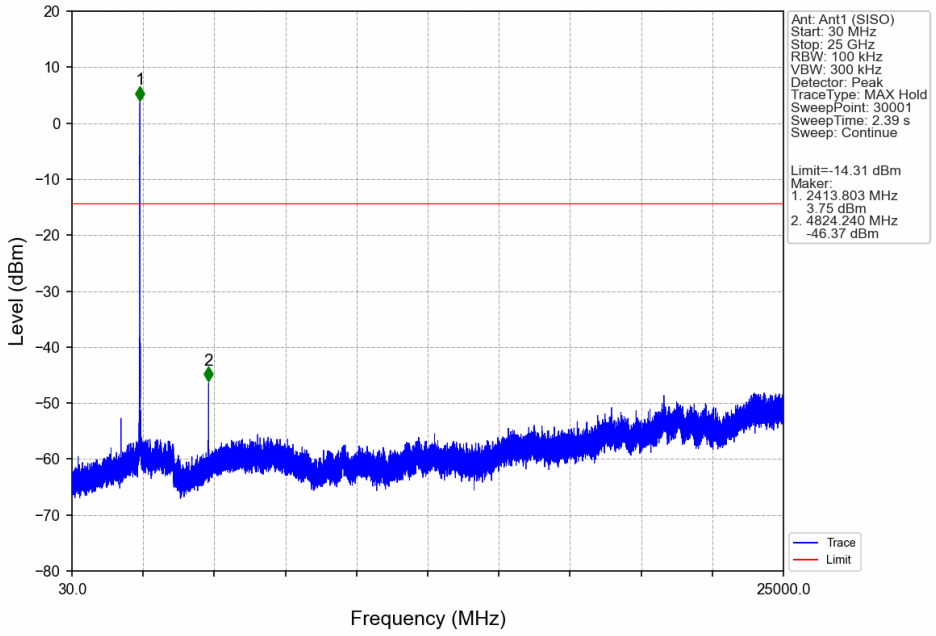


5.2.2 CSE

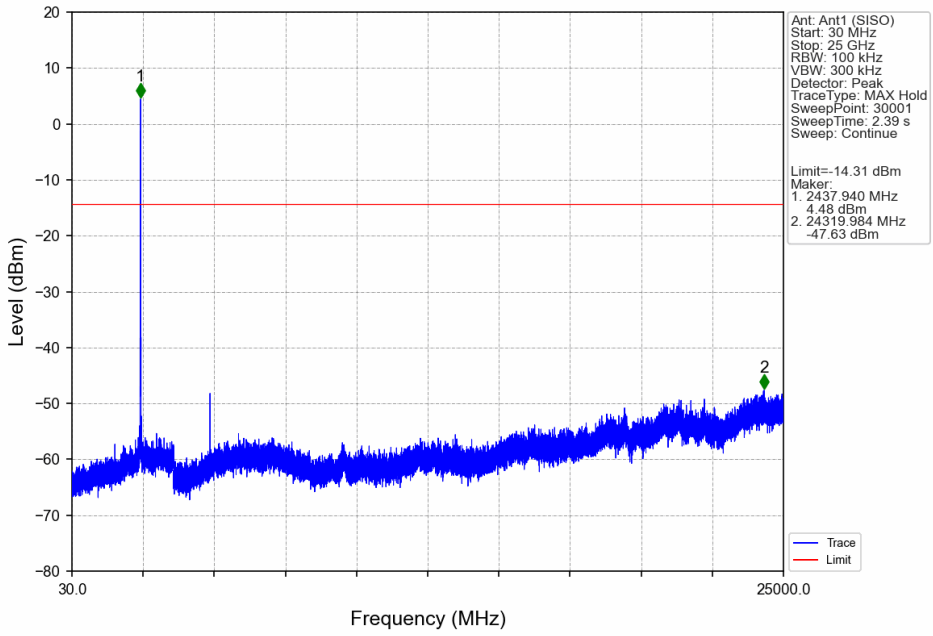
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



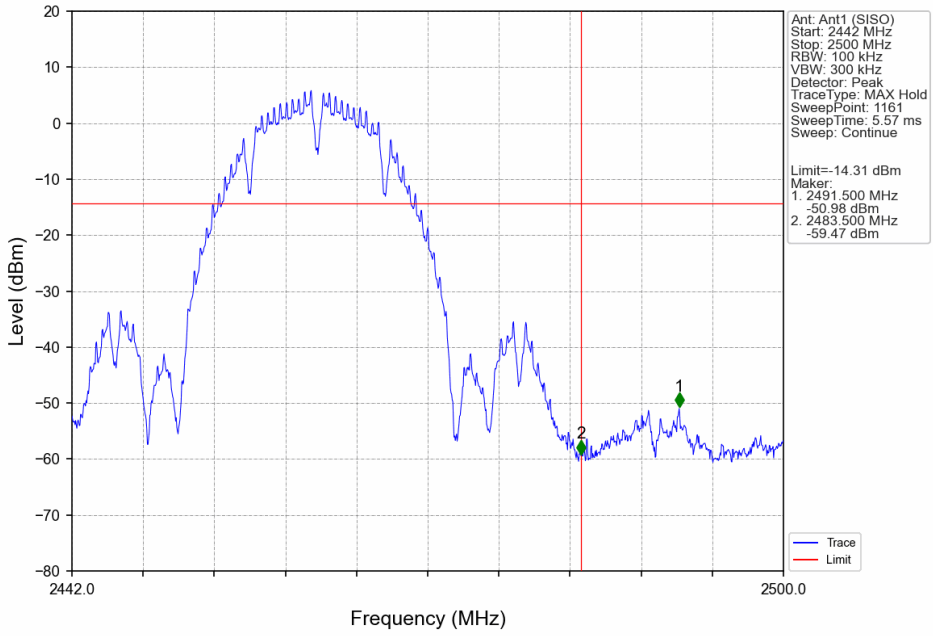
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



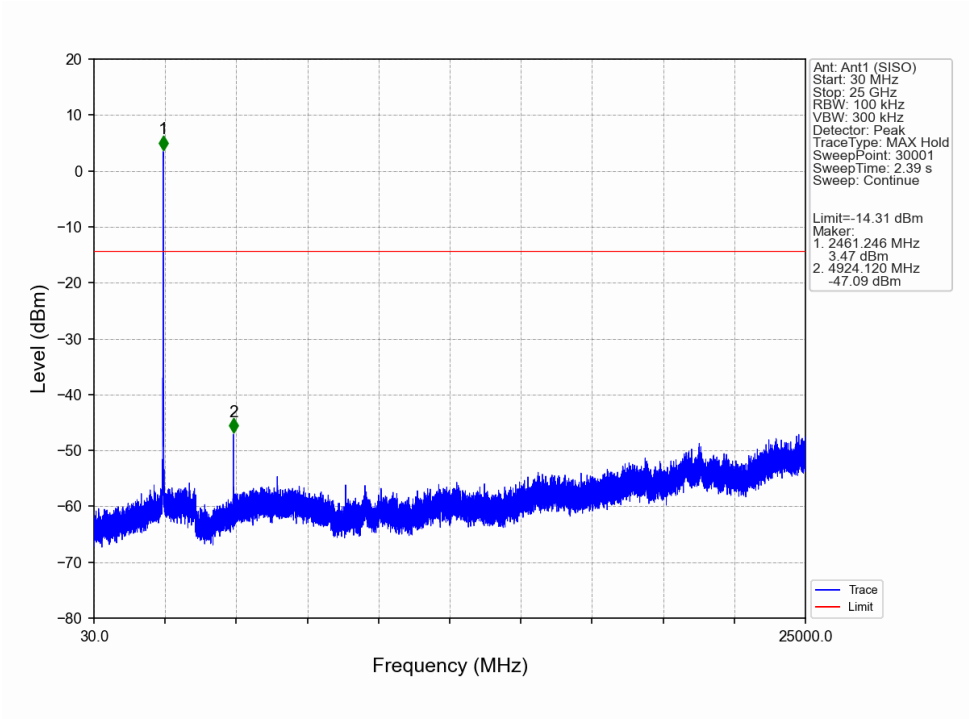
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



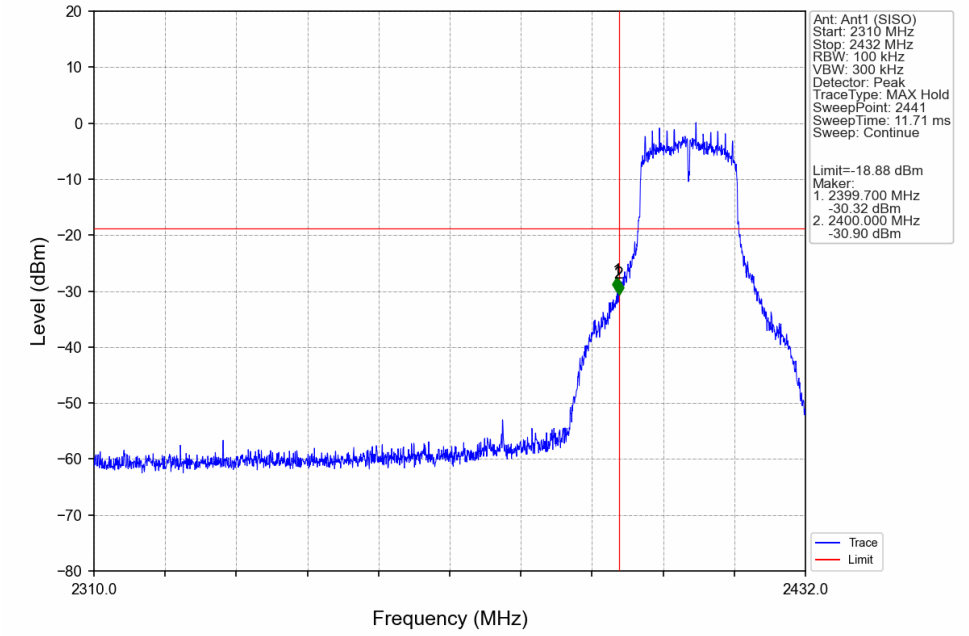
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



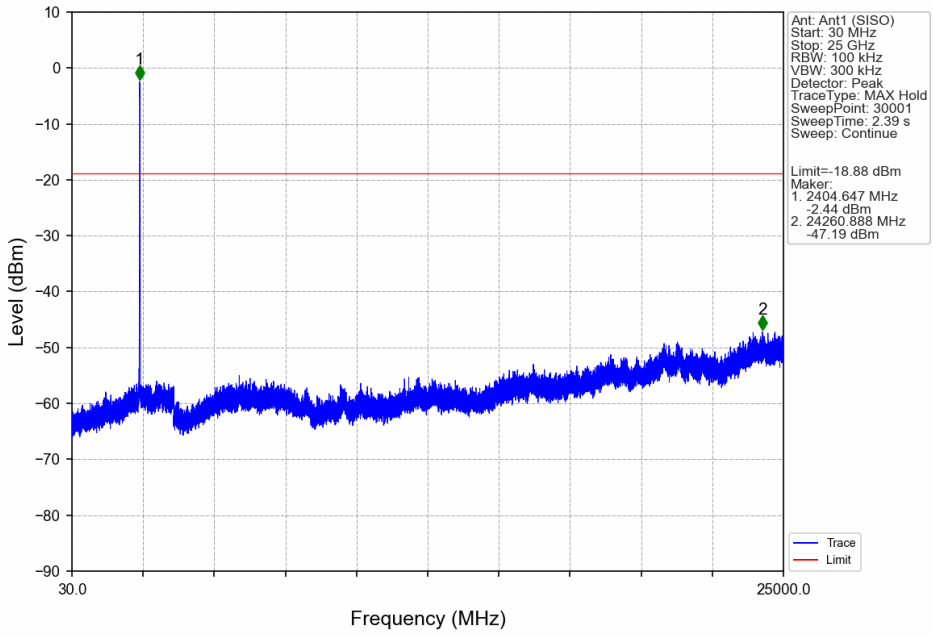
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



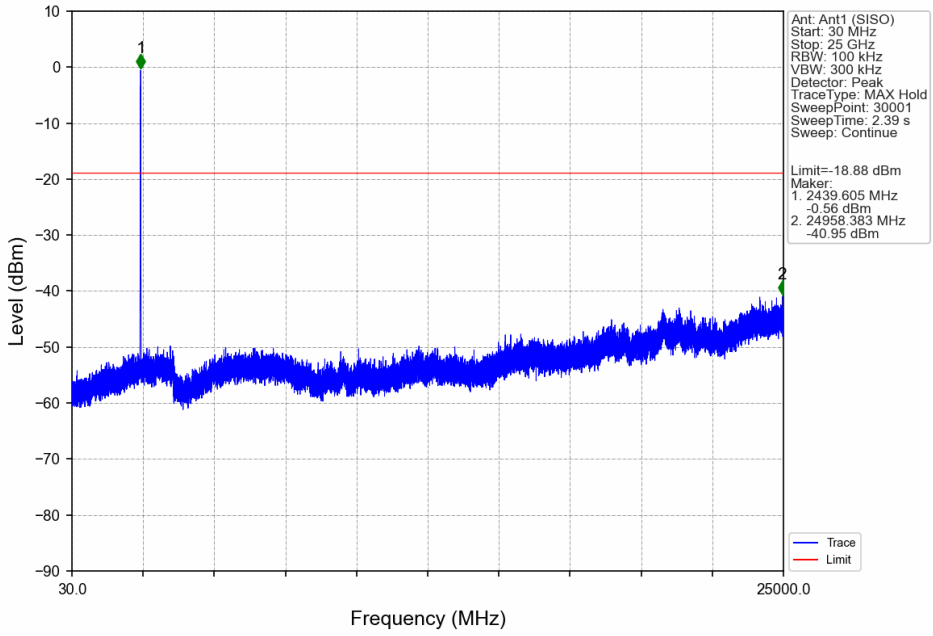
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



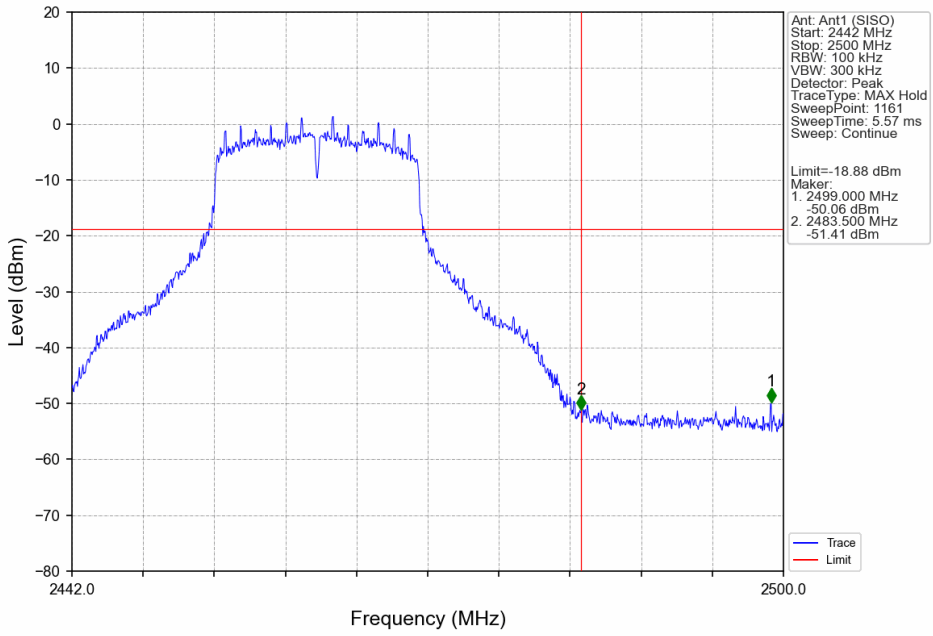
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



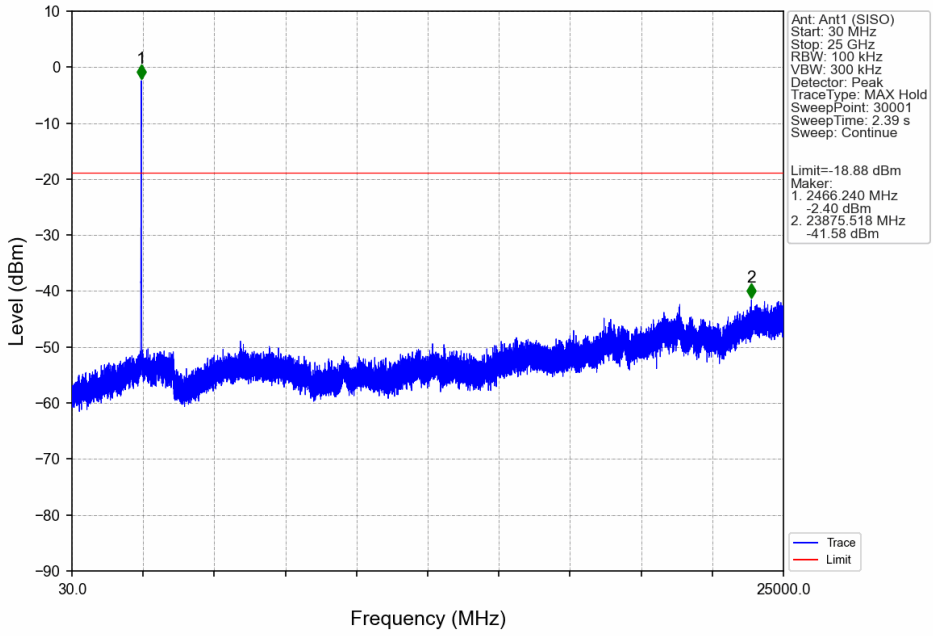
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



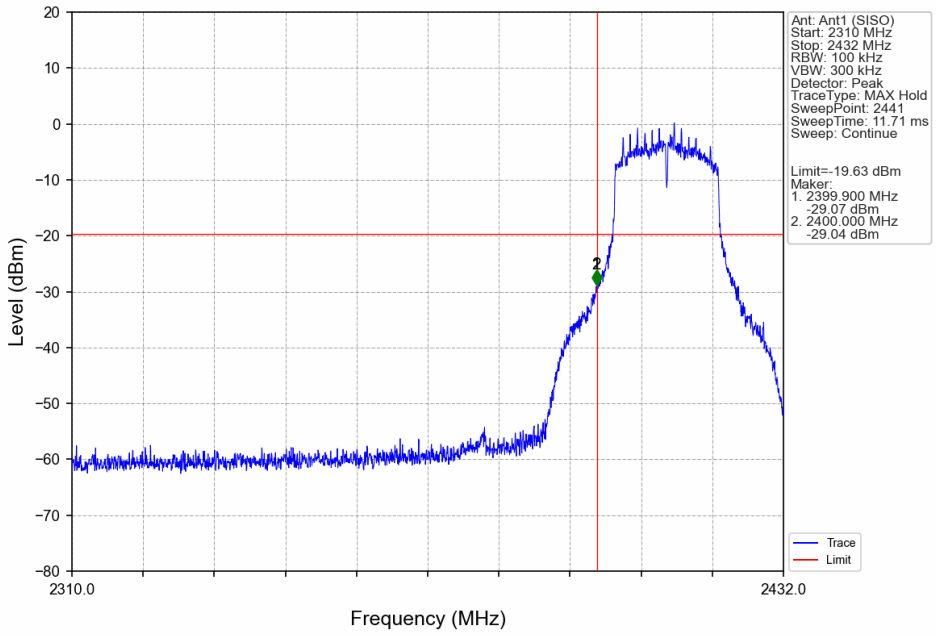
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



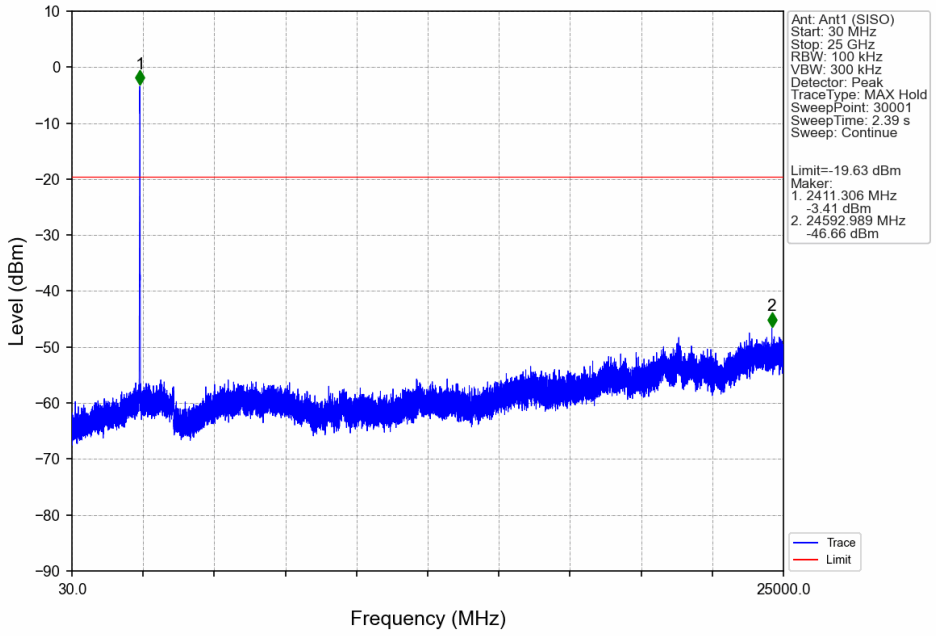
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



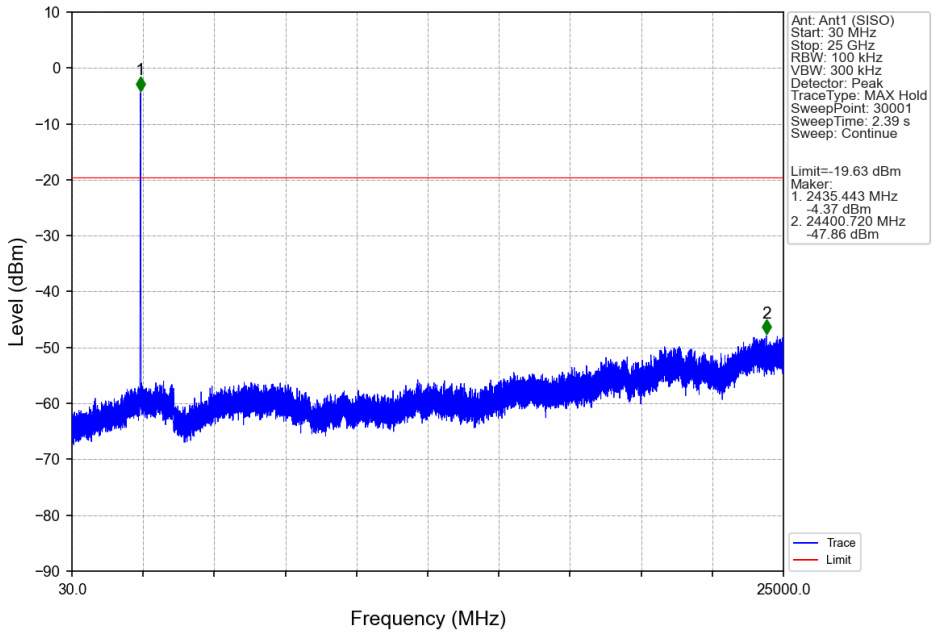
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



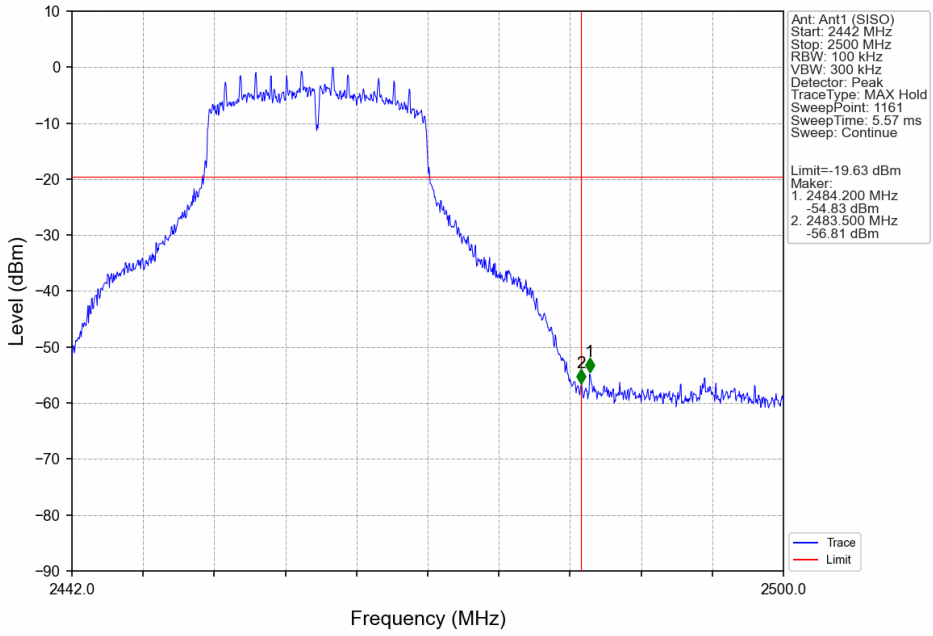
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



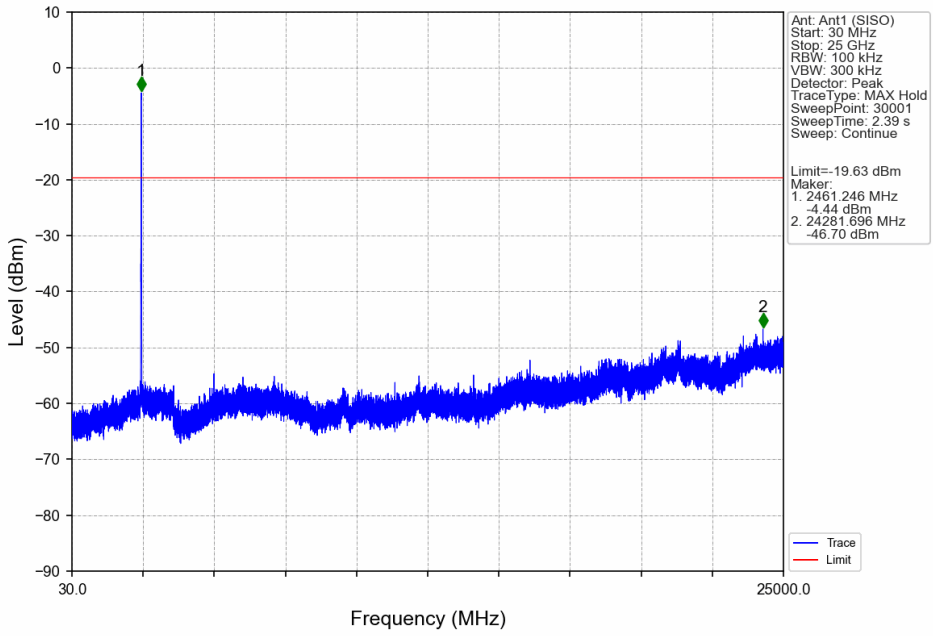
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



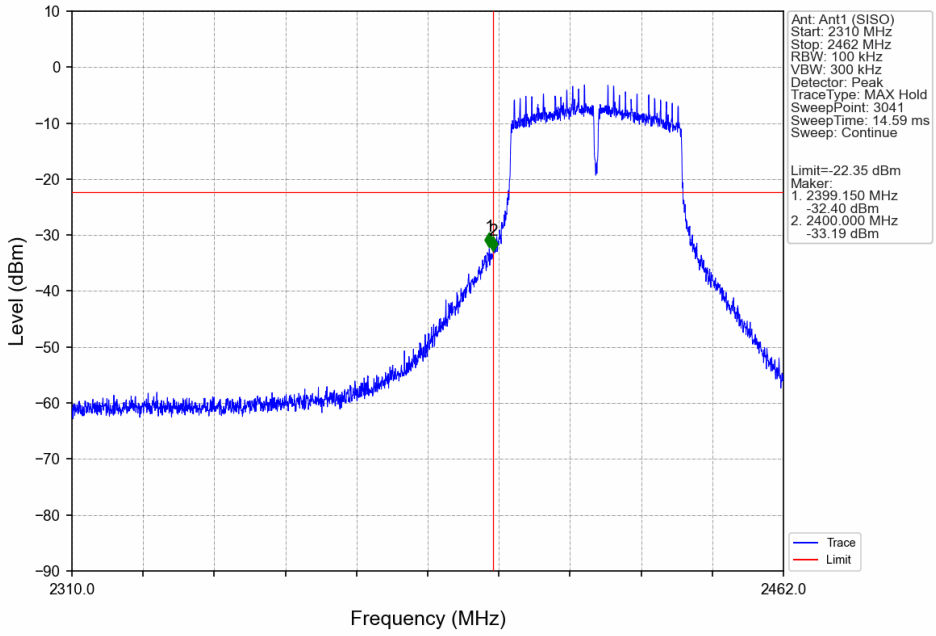
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



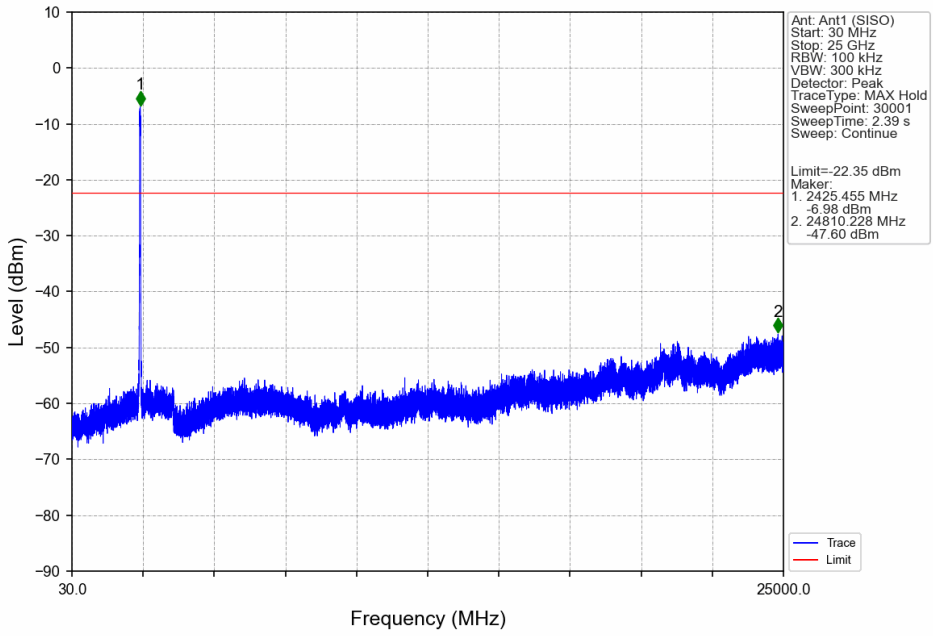
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



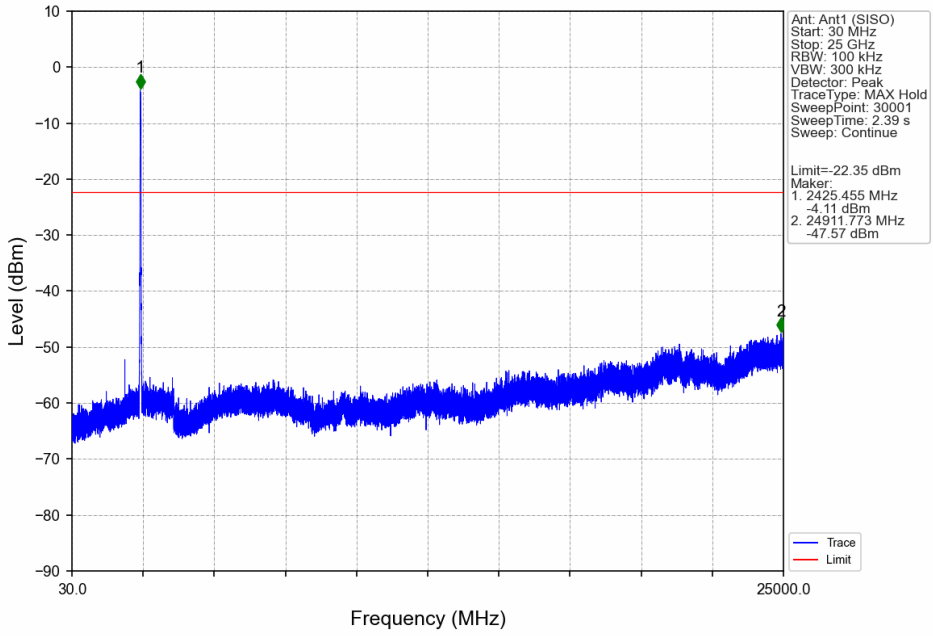
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



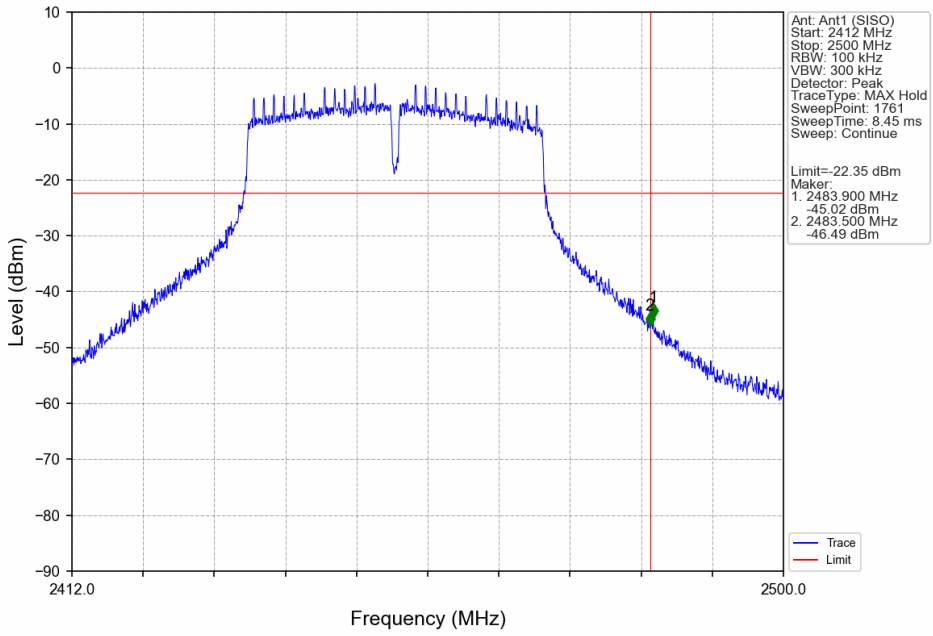
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



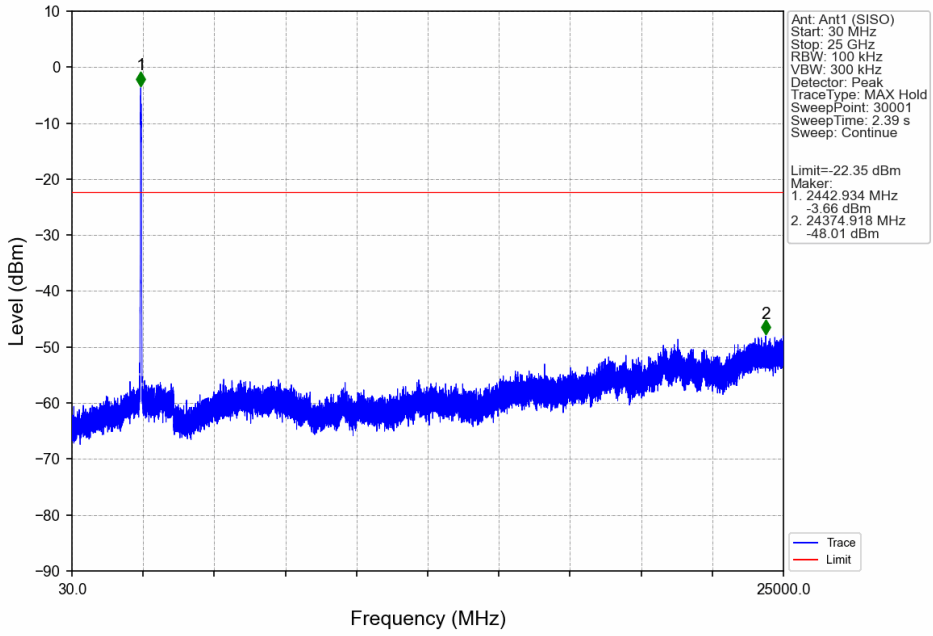
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



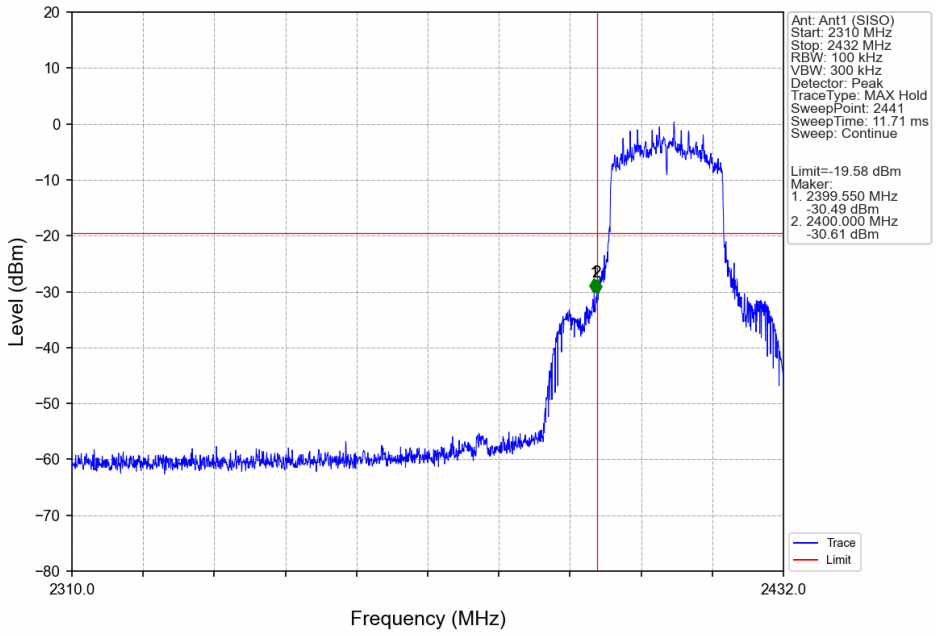
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



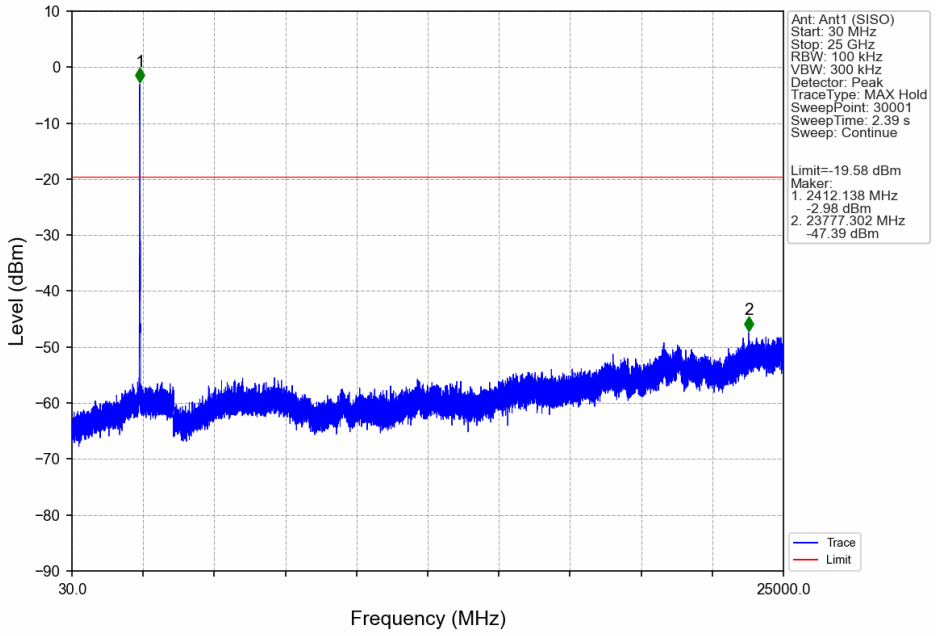
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



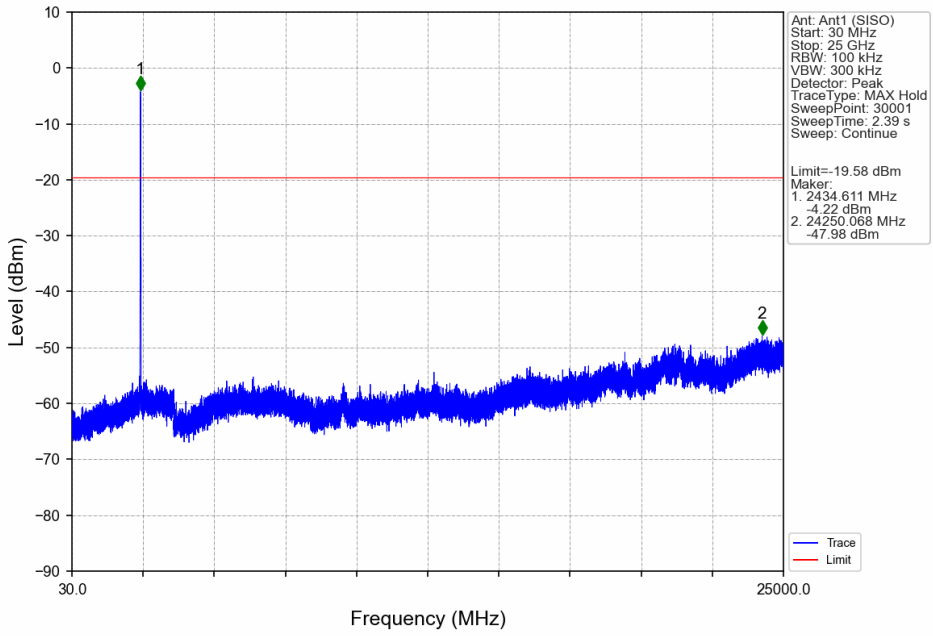
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



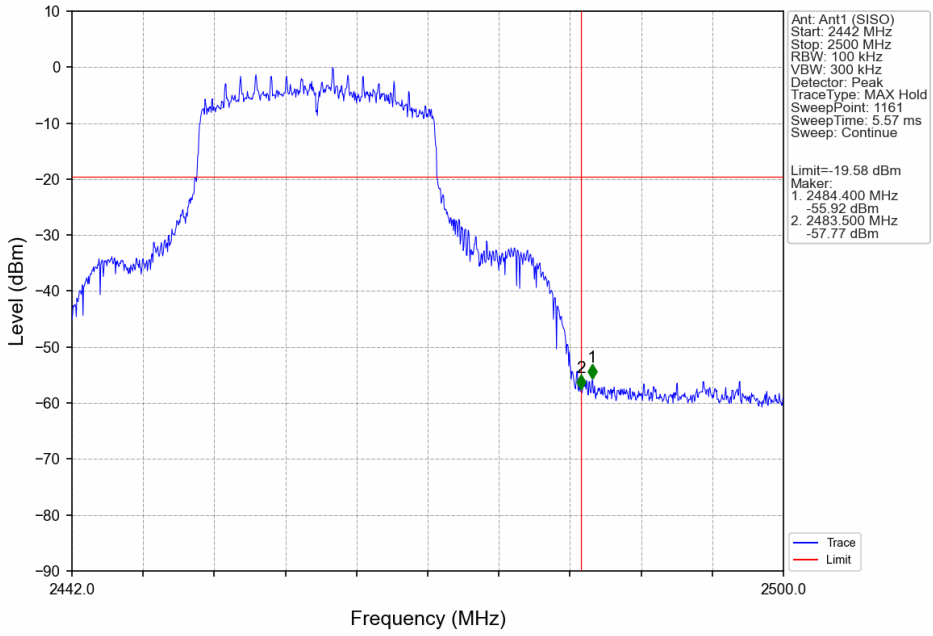
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



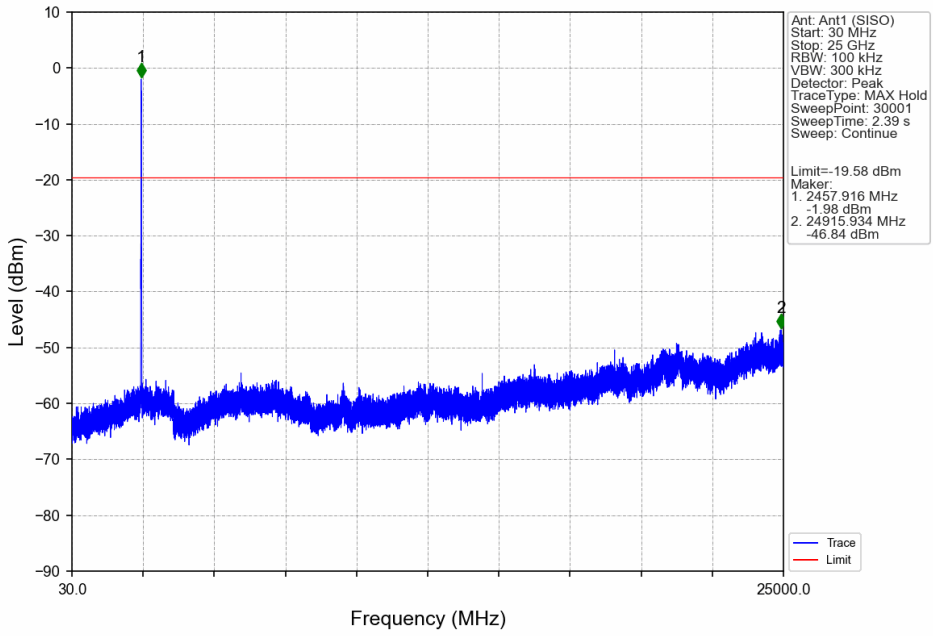
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



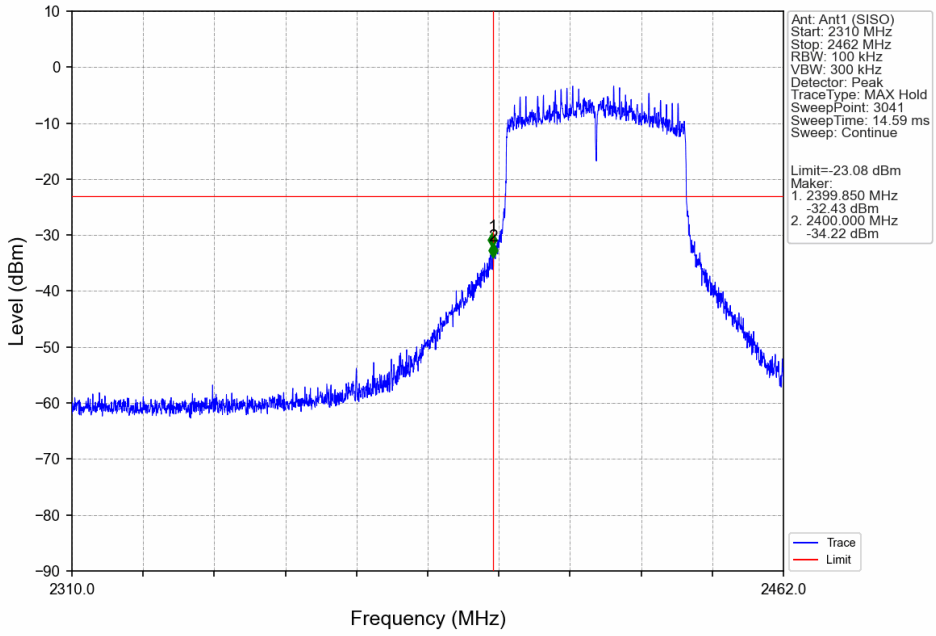
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



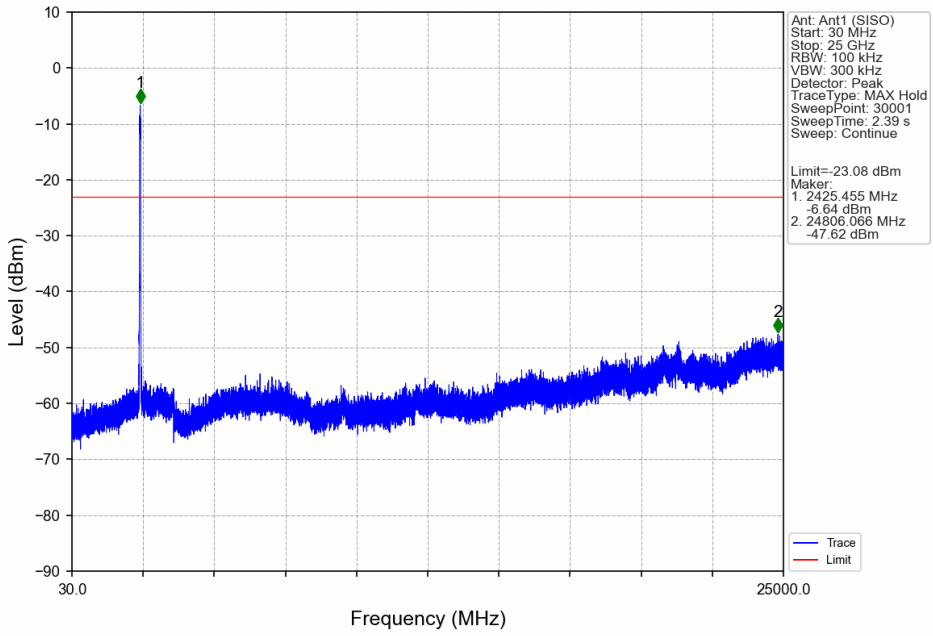
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



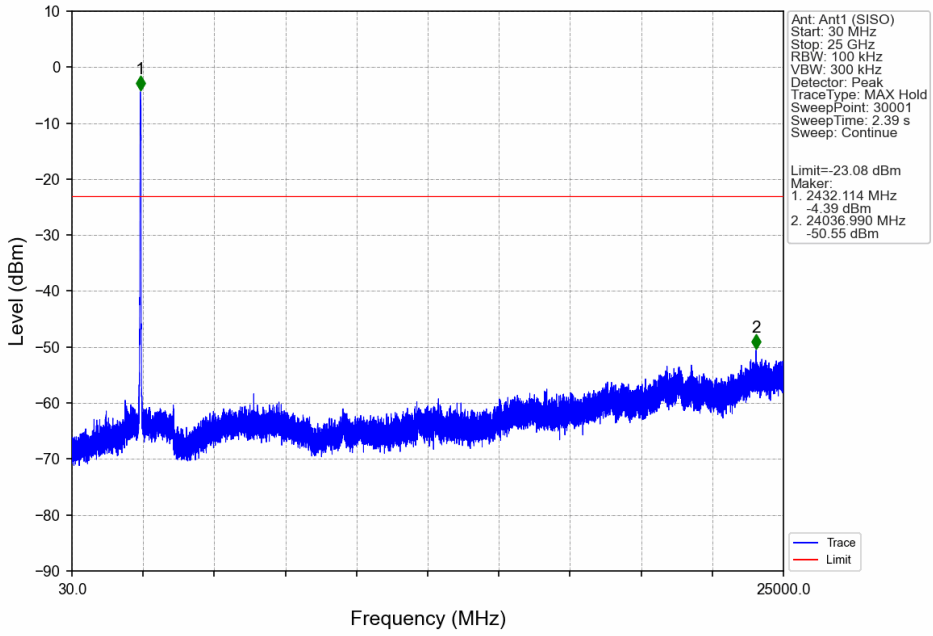
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



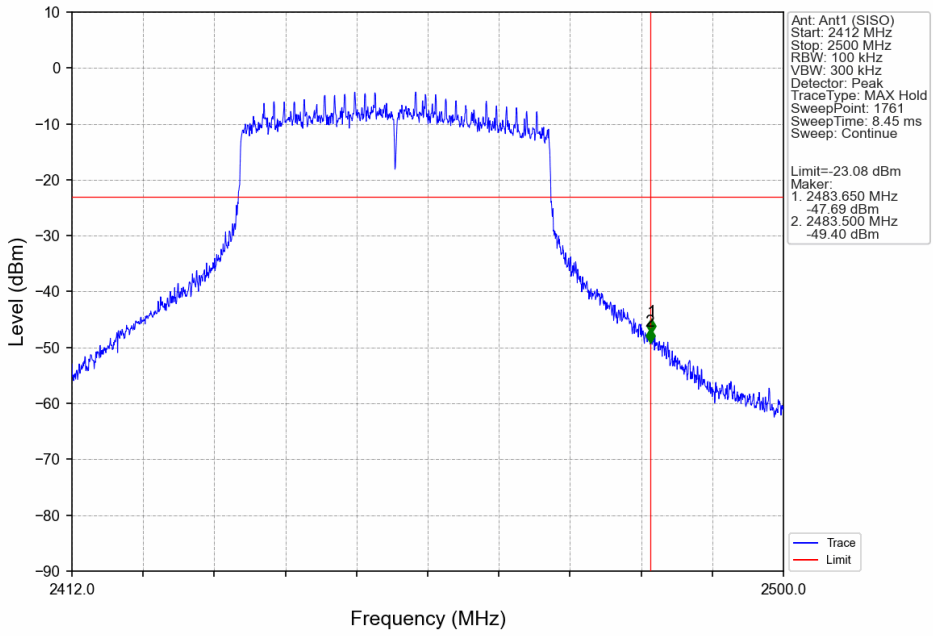
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



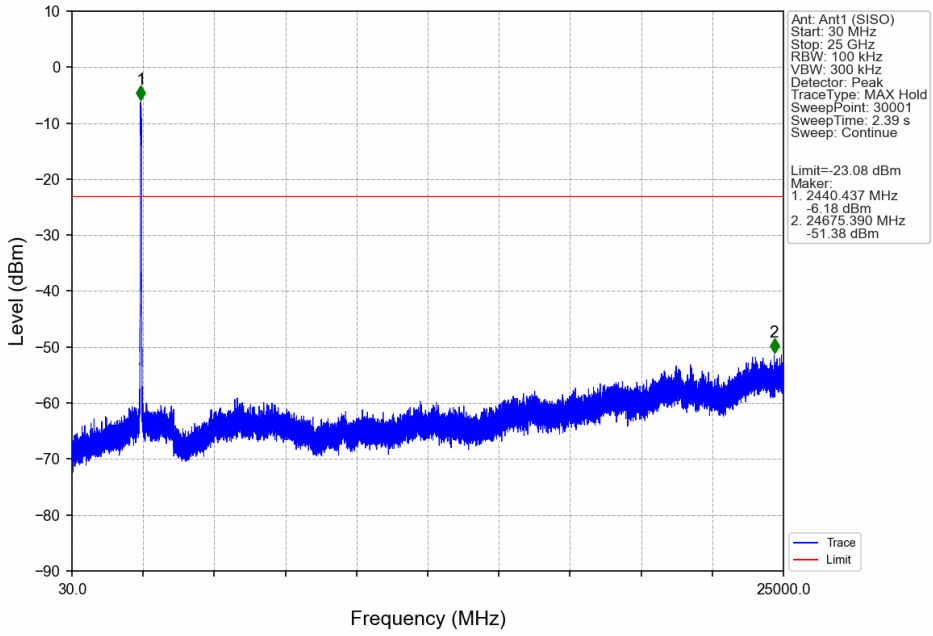
802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



- End of the Report -