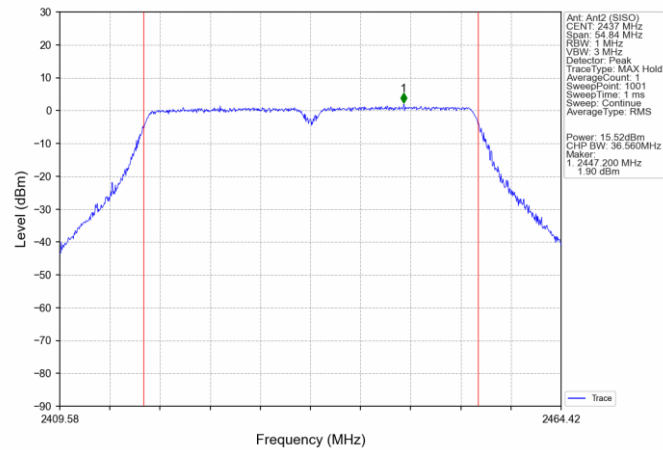
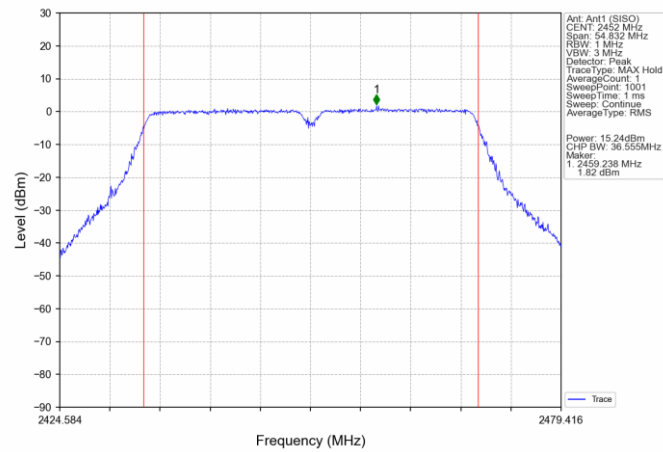




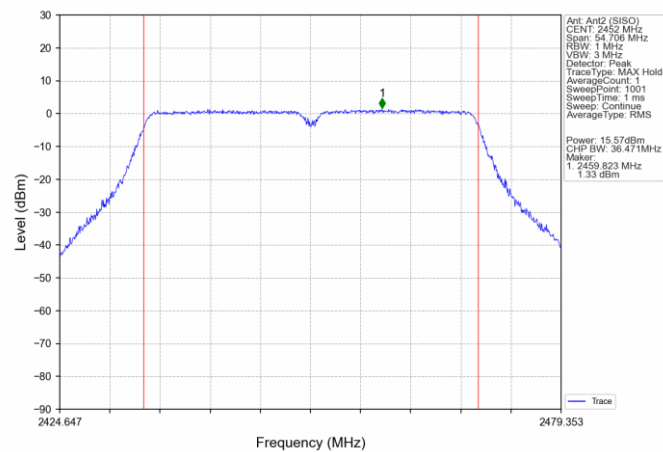
802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

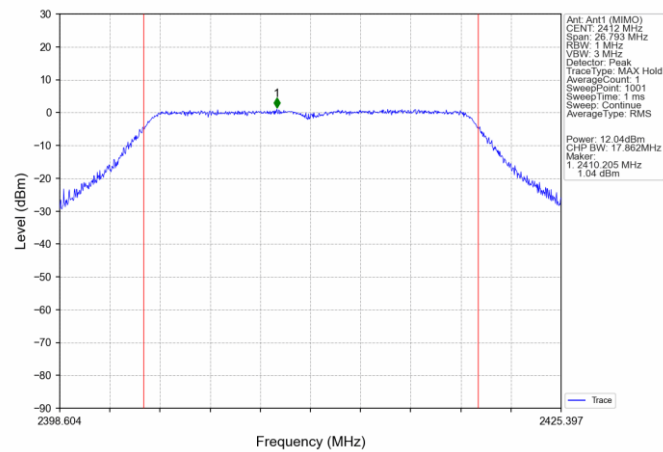


802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV

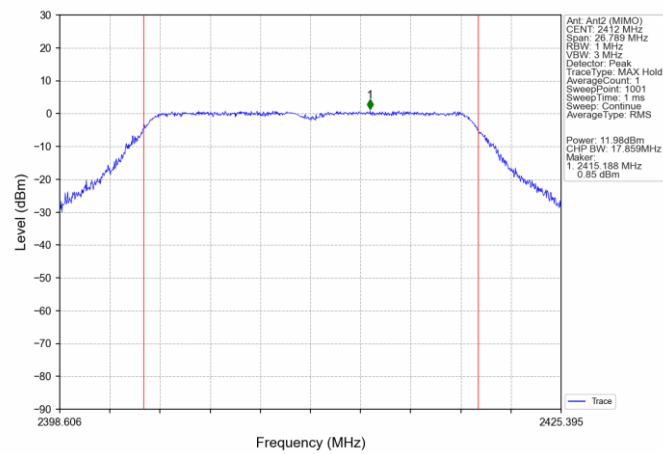




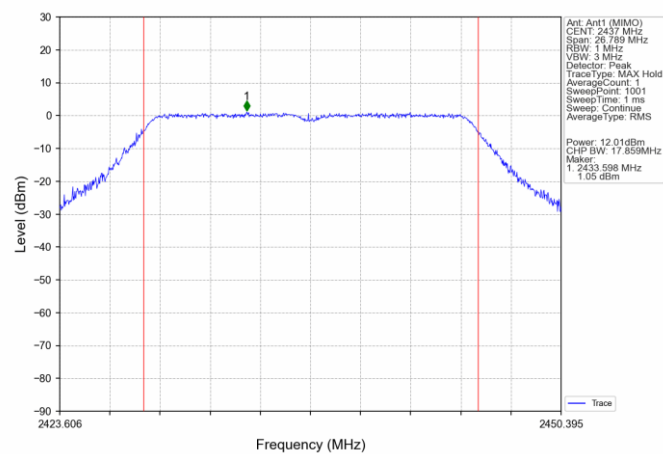
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

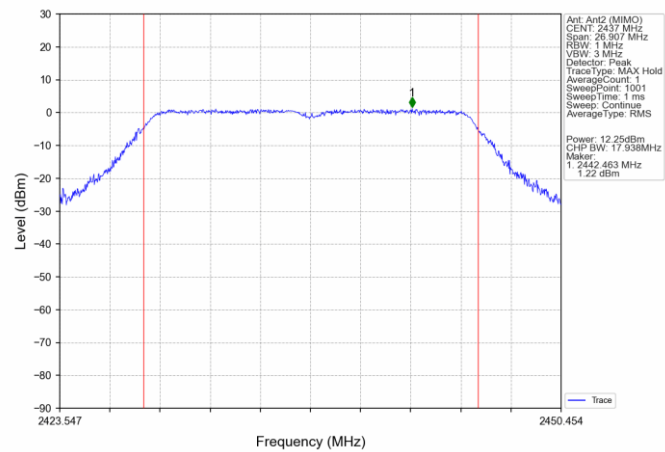


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

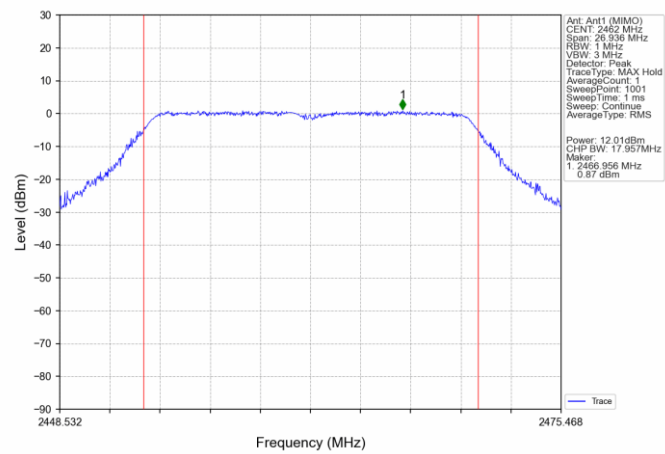




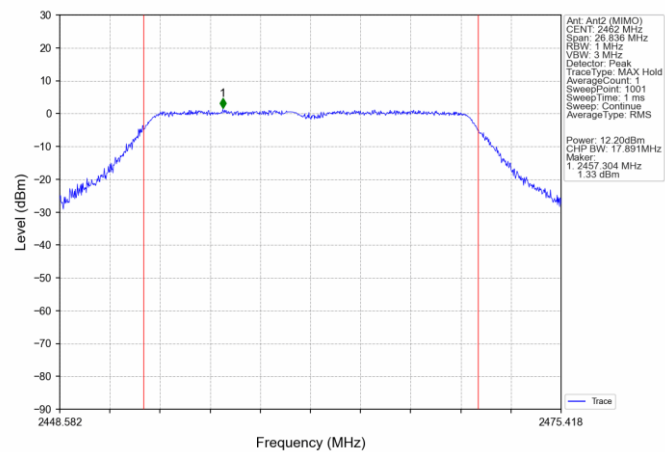
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

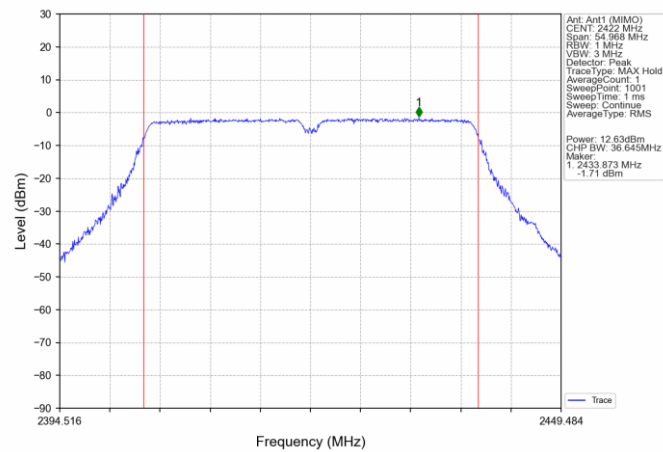


802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV

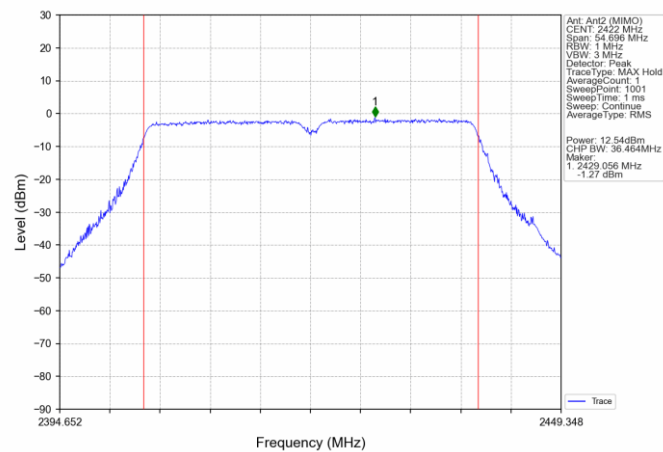




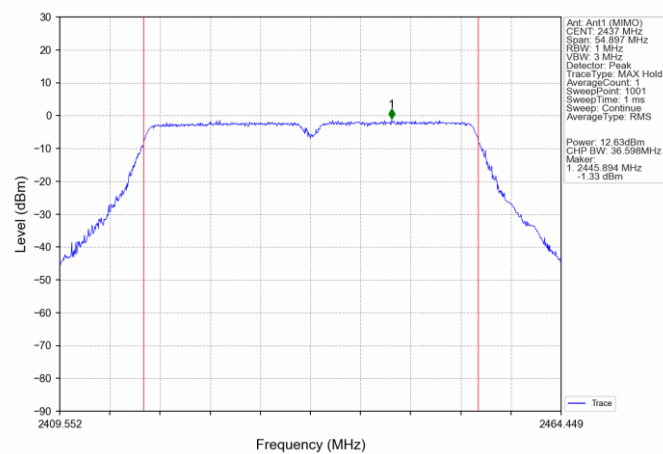
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV

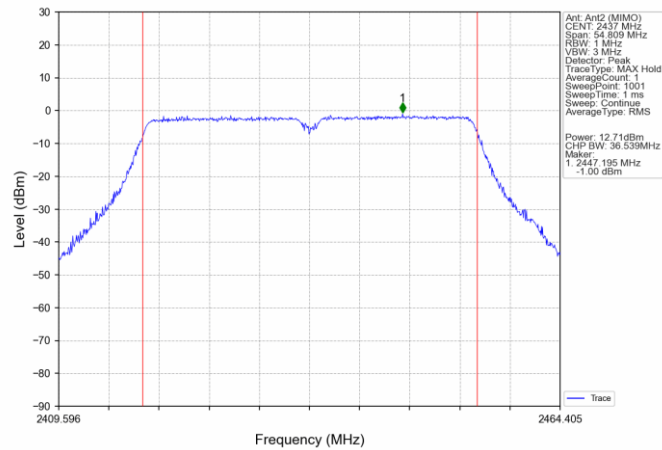


802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV

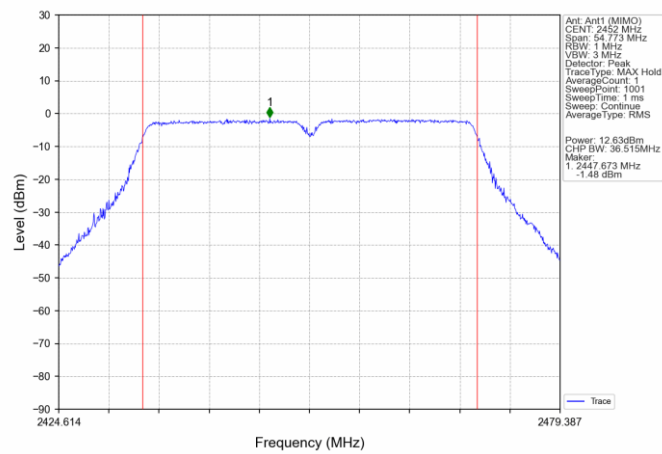




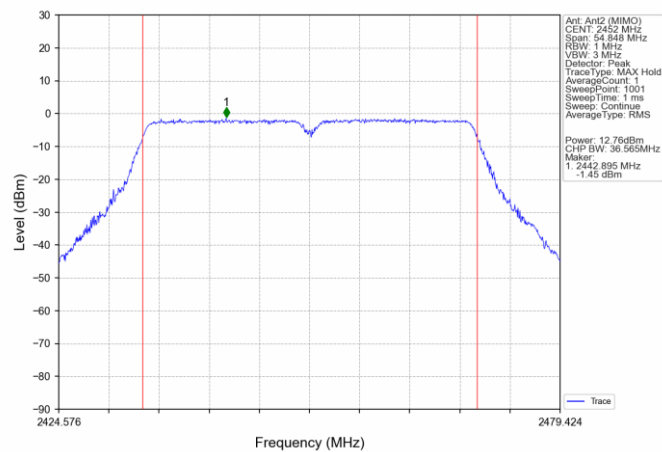
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV





4. MAXIMUM POWER SPECTRAL DENSITY

4.1 Test Result

4.1.1 PSD

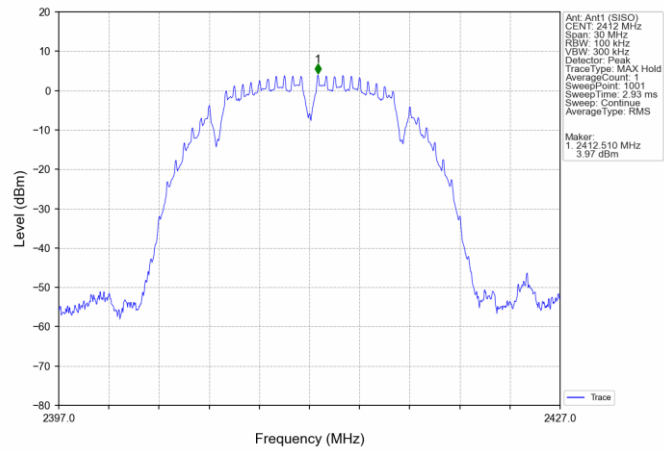
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	3.97	3.99	/	<=8	Pass
		2437	3.95	4.29	/	<=8	Pass
		2462	3.88	4.20	/	<=8	Pass
802.11g	SISO	2412	-3.28	-3.02	/	<=8	Pass
		2437	-3.21	-2.79	/	<=8	Pass
		2462	-3.29	-2.86	/	<=8	Pass
802.11n (HT20)	SISO	2412	-3.19	-3.05	/	<=8	Pass
		2437	-3.26	-2.78	/	<=8	Pass
		2462	-3.20	-2.84	/	<=8	Pass
802.11n (HT40)	SISO	2422	-6.71	-6.23	/	<=8	Pass
		2437	-6.54	-6.17	/	<=8	Pass
		2452	-6.51	-6.42	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-6.30	-6.51	-3.42	<=8	Pass
		2437	-6.42	-6.27	-3.40	<=8	Pass
		2462	-6.32	-6.24	-3.36	<=8	Pass
802.11n (HT40)	MIMO	2422	-9.25	-9.51	-6.37	<=8	Pass
		2437	-9.11	-9.41	-6.26	<=8	Pass
		2452	-9.20	-9.46	-6.32	<=8	Pass
Note1: Antenna Gain: Ant1: 0.05dBi; Ant2: 1.47dBi;							
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)							



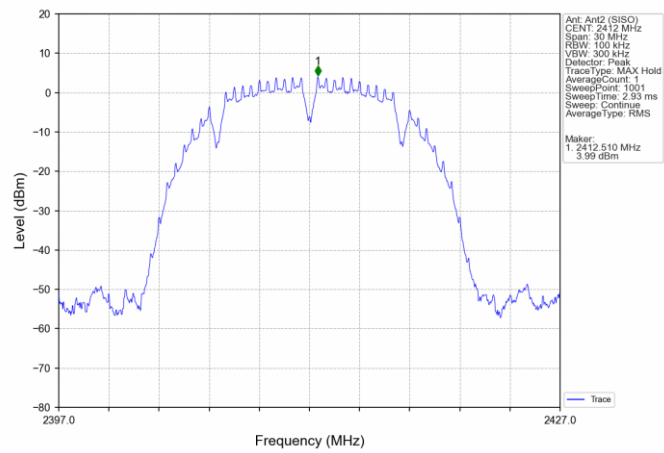
4.2 Test Graph

4.2.1 PSD

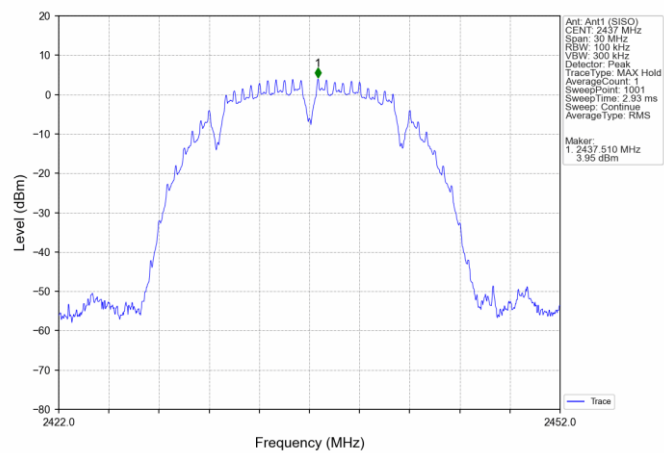
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV

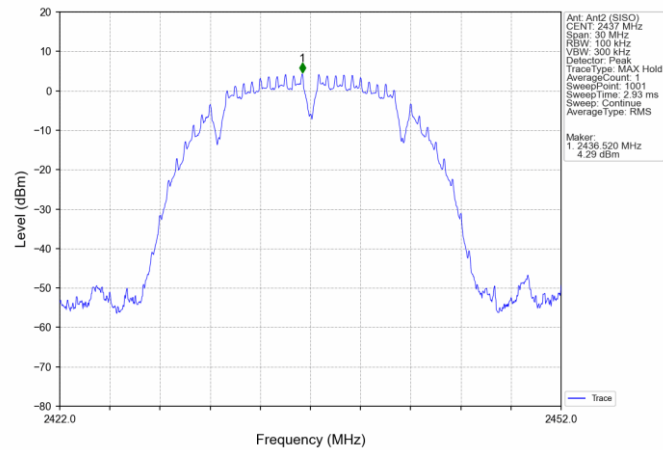


802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

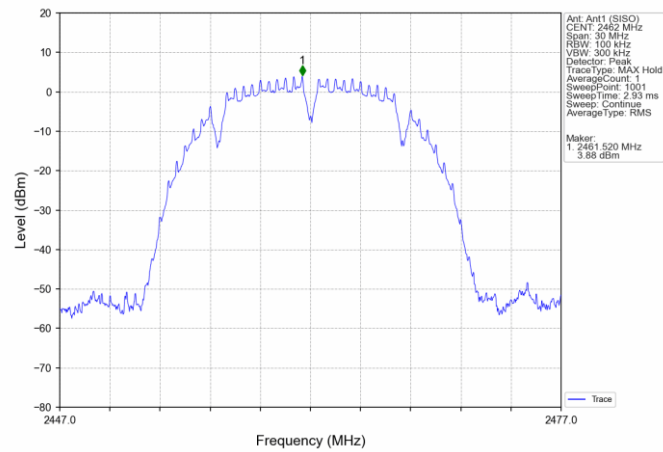




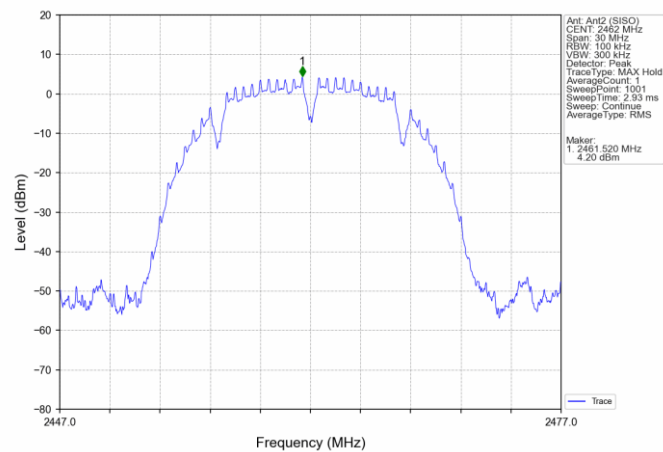
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

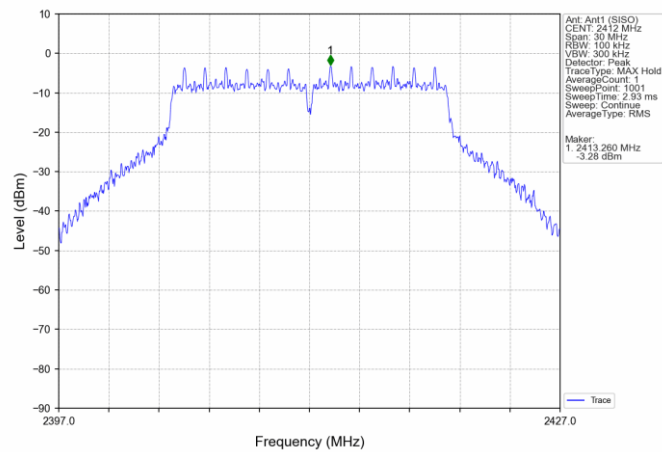


802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV

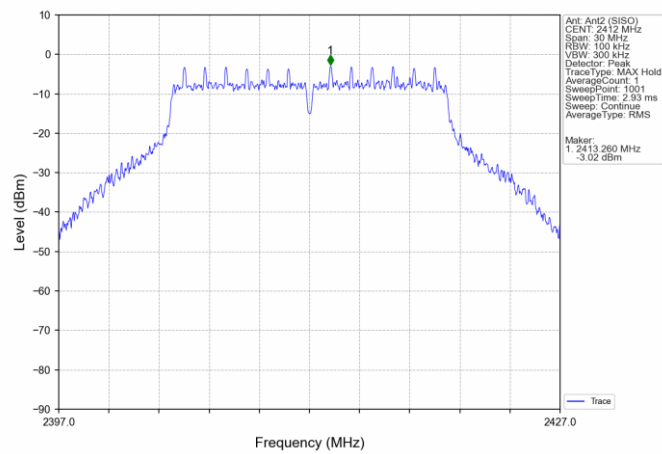




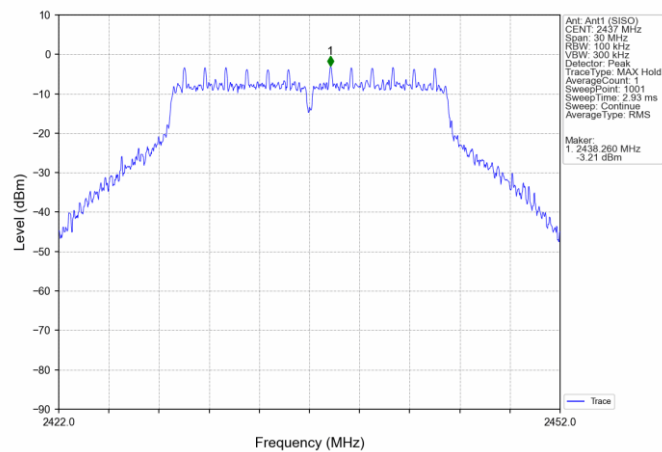
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV

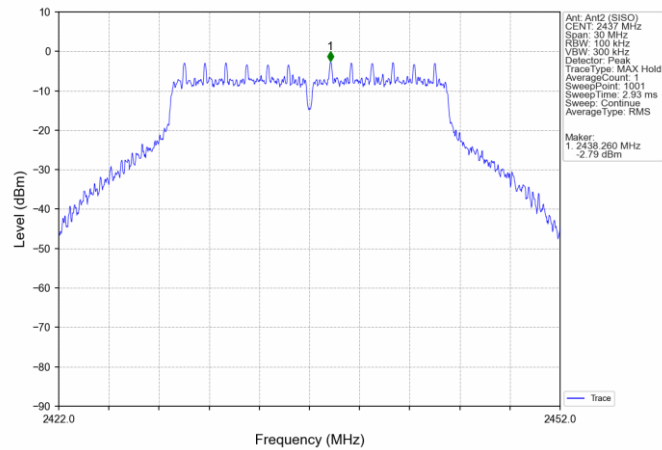


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

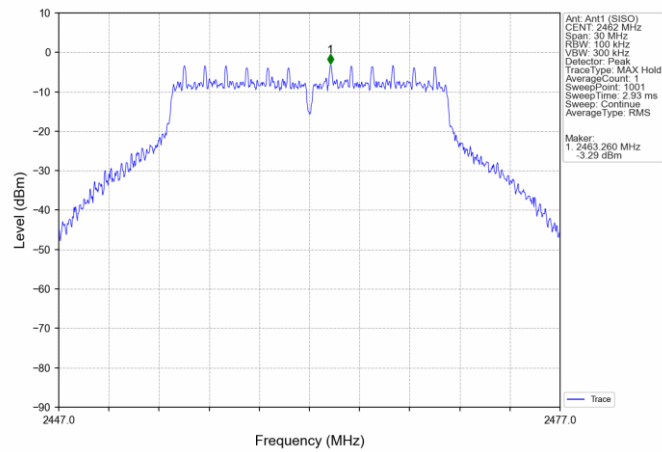




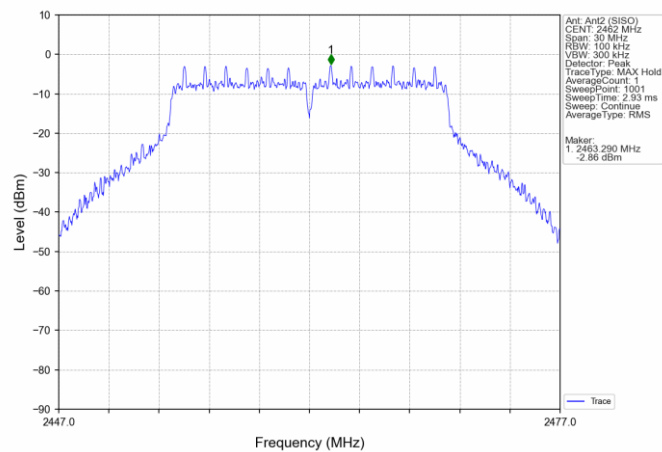
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

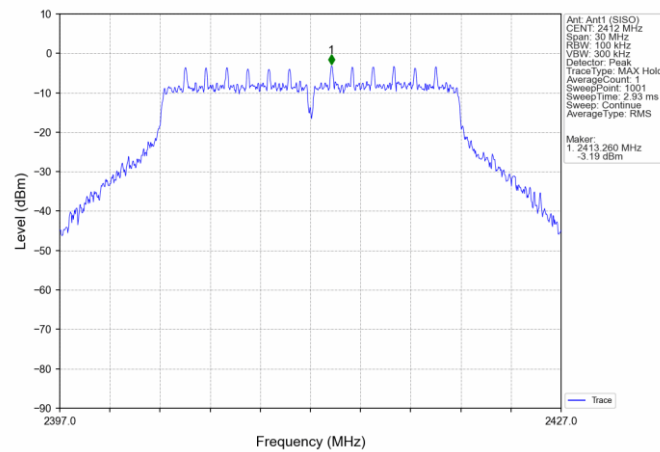


802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

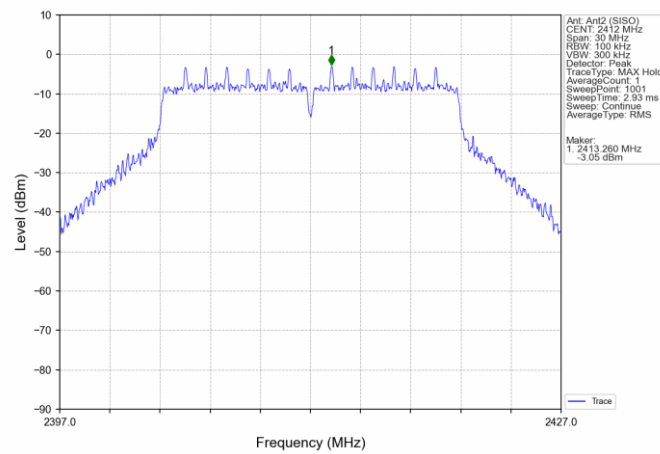




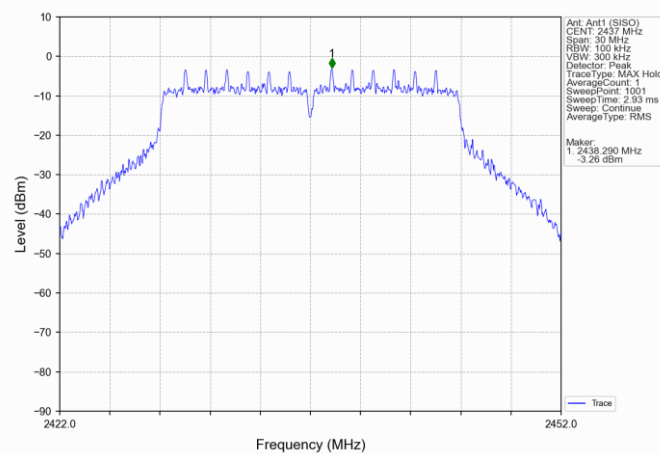
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV

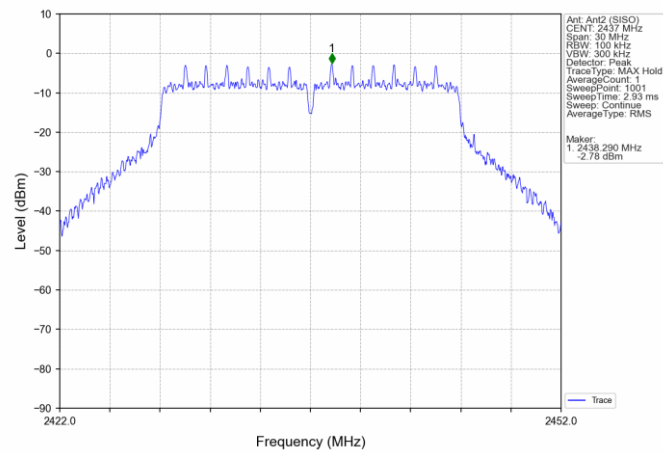


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

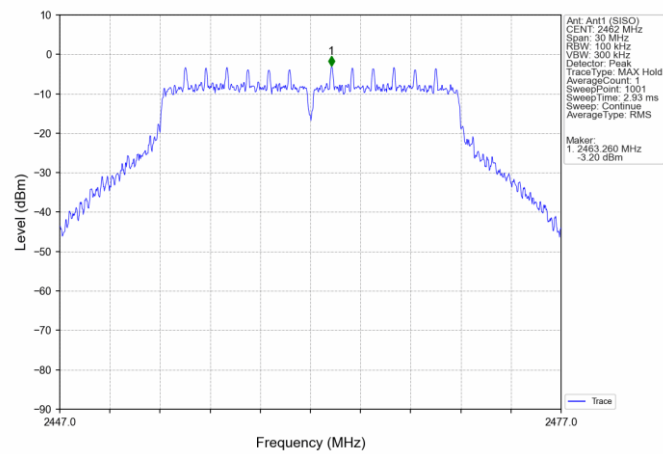




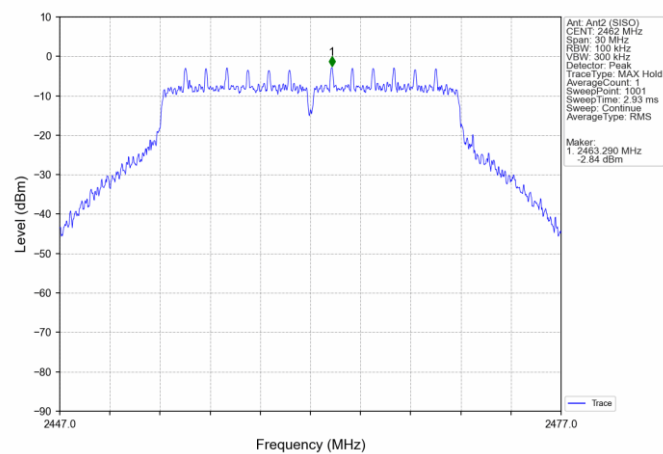
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

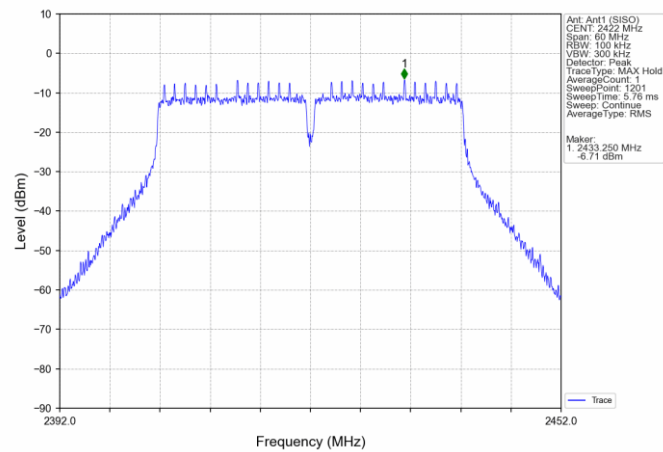


802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV

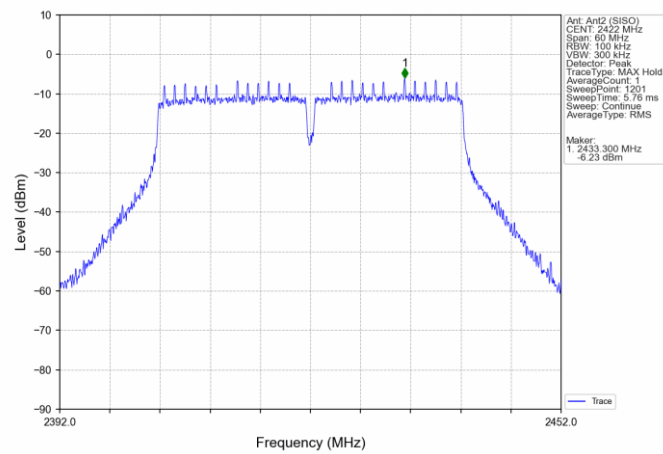




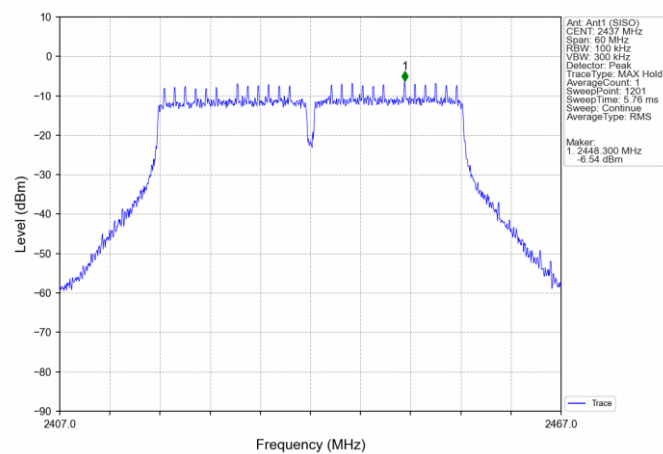
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV

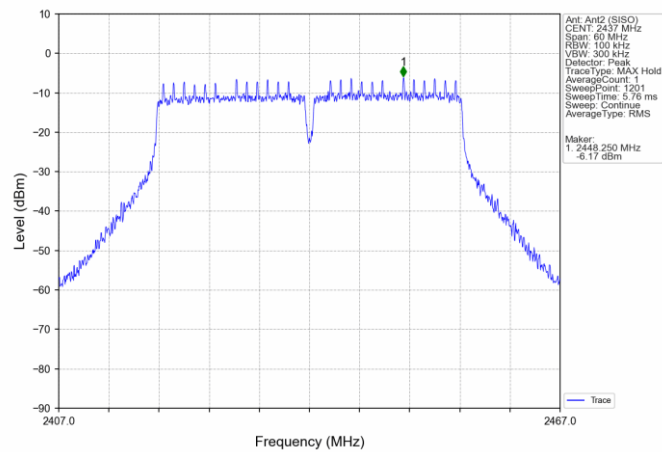


802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

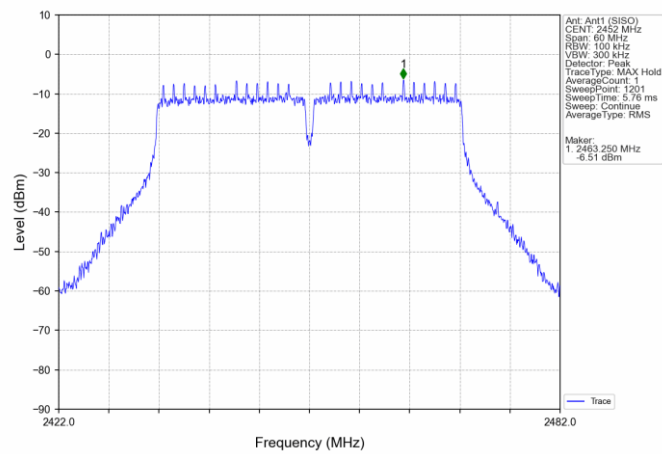




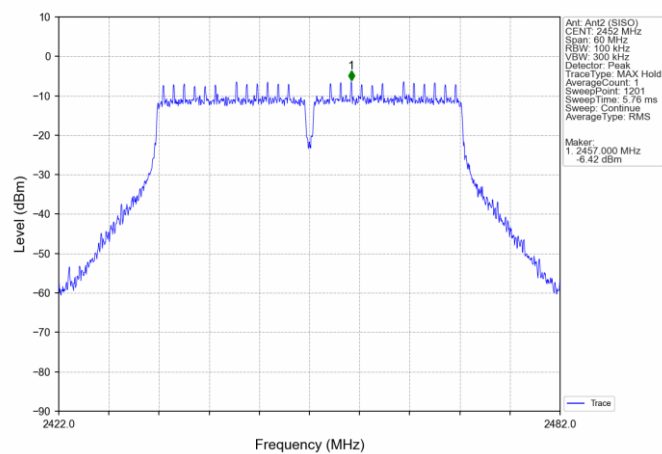
802.11n(HT40)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

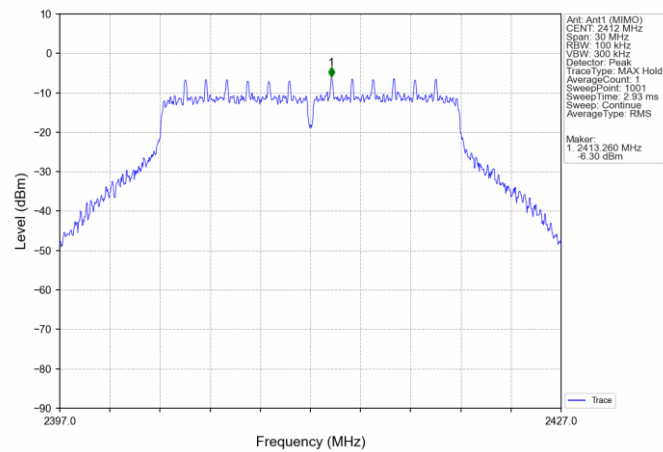


802.11n(HT40)_HCH_2452MHz_Ant2 (SISO)_NTNV

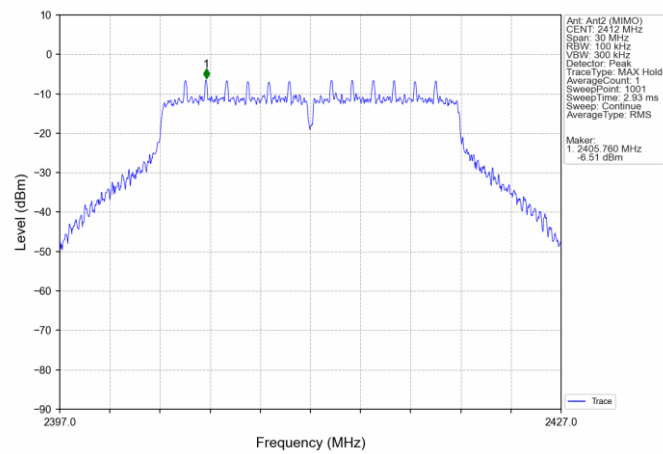




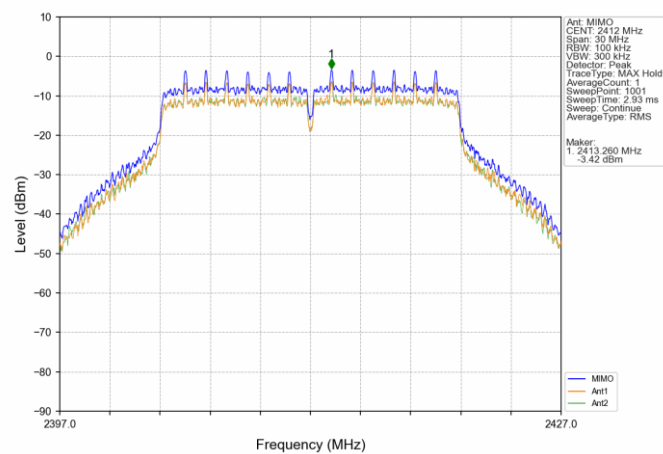
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

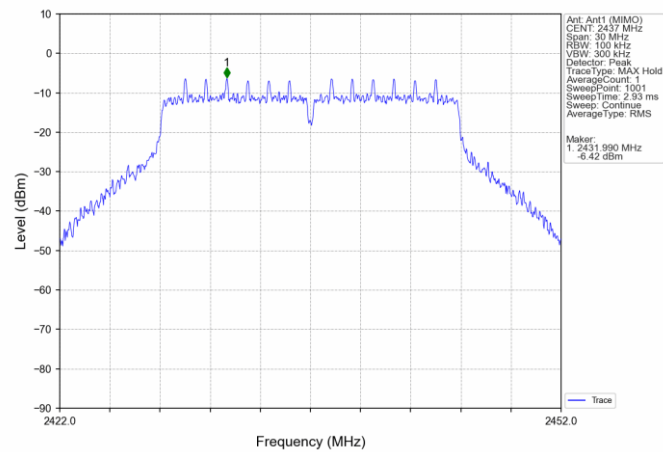


802.11n(HT20)_LCH_2412MHz_MIMO_NTNV

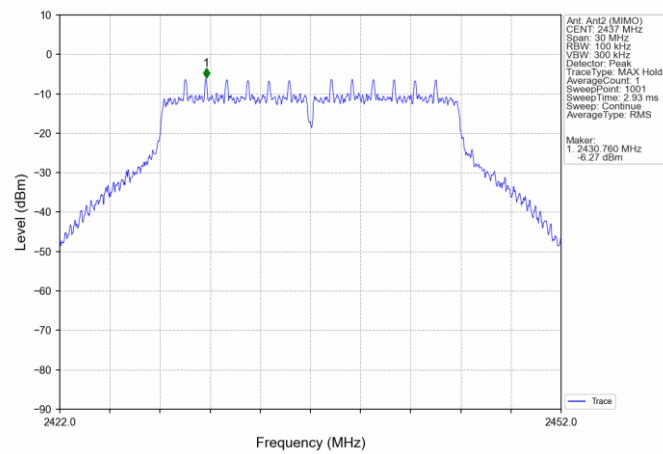




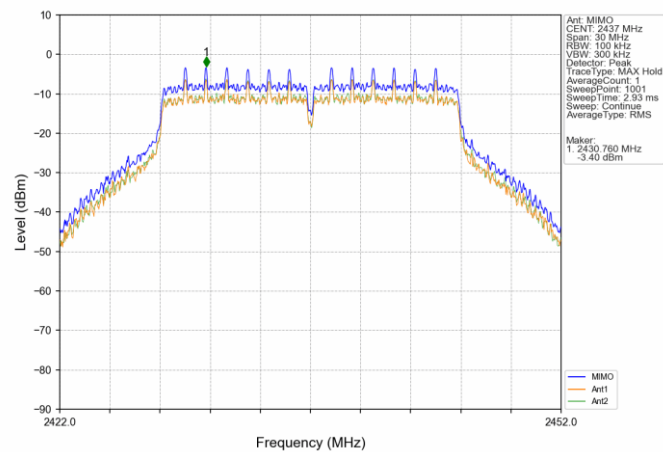
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV

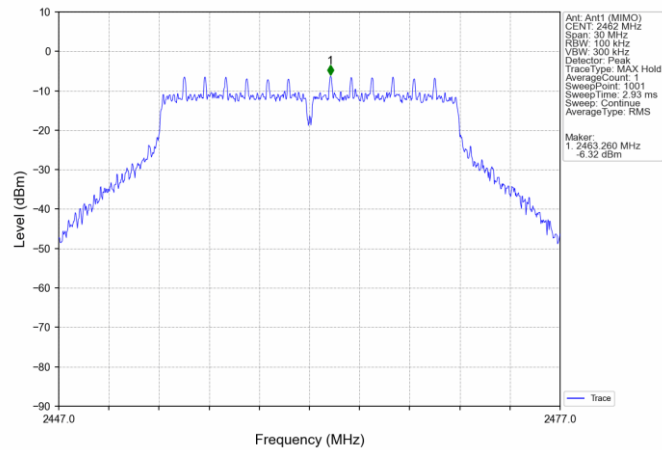


802.11n(HT20)_MCH_2437MHz_MIMO_NTNV

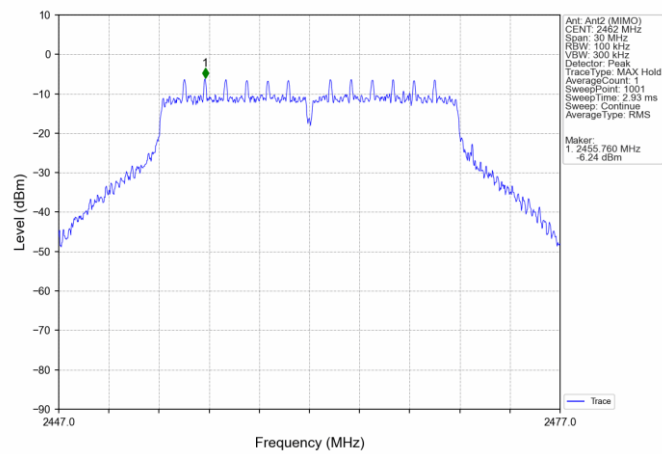




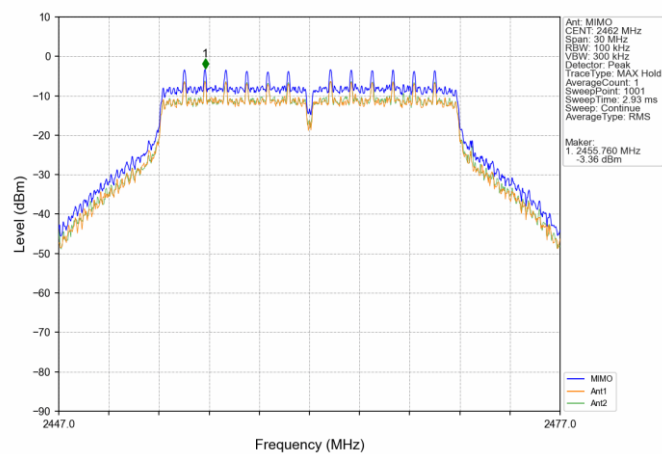
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV

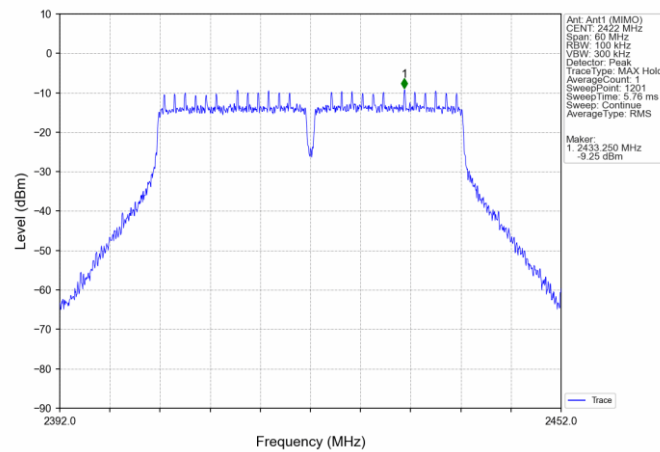


802.11n(HT20)_HCH_2462MHz_MIMO_NTNV

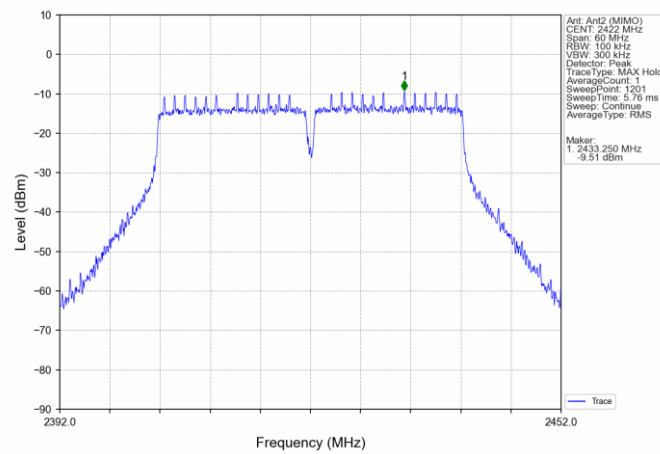




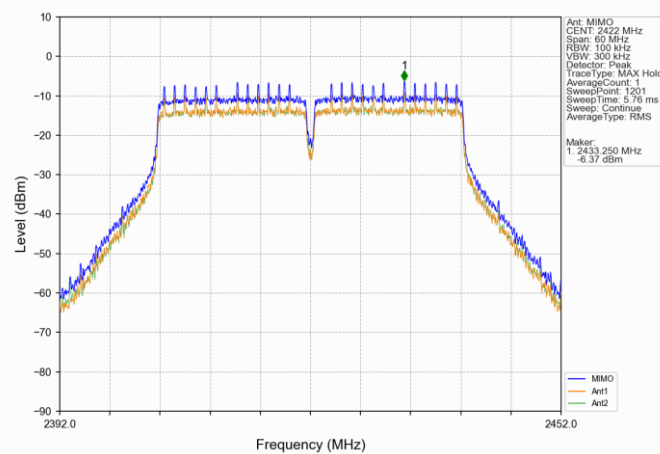
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV

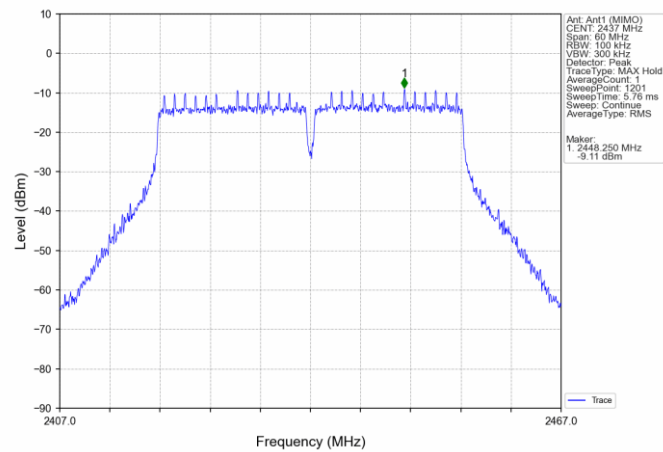


802.11n(HT40)_LCH_2422MHz_MIMO_NTNV

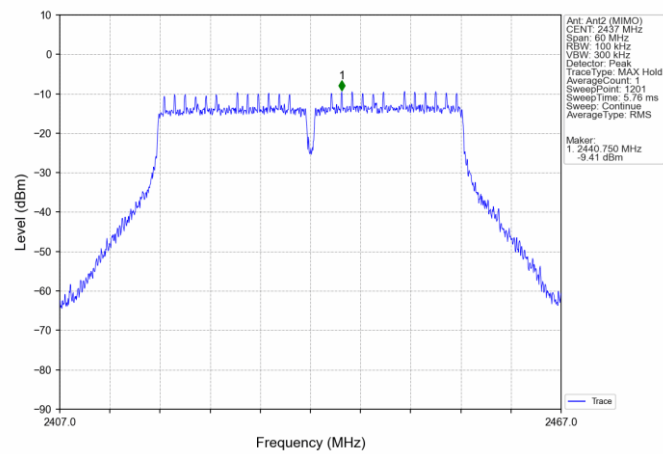




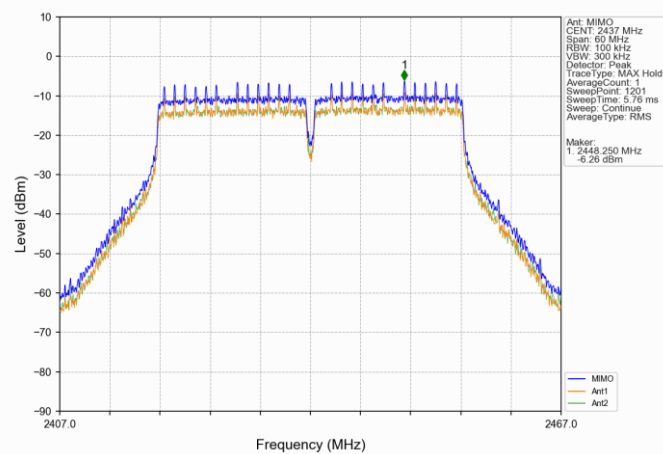
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV

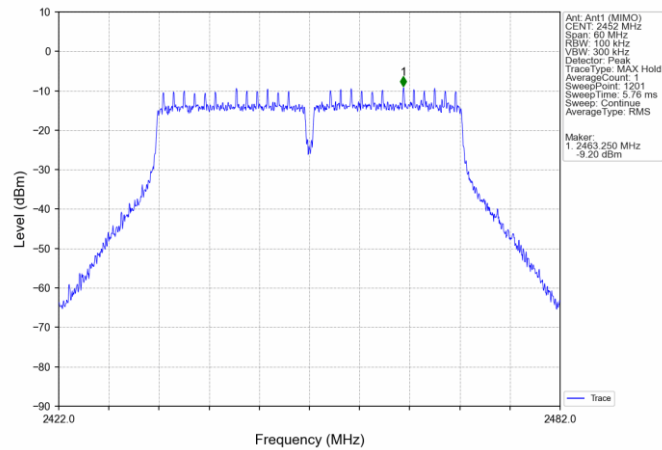


802.11n(HT40)_MCH_2437MHz_MIMO_NTNV

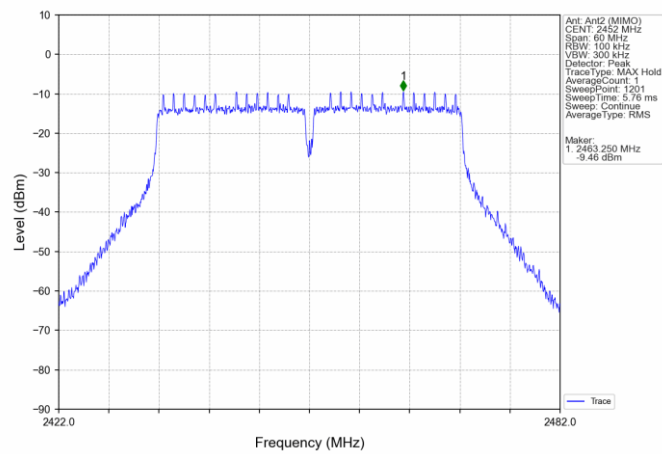




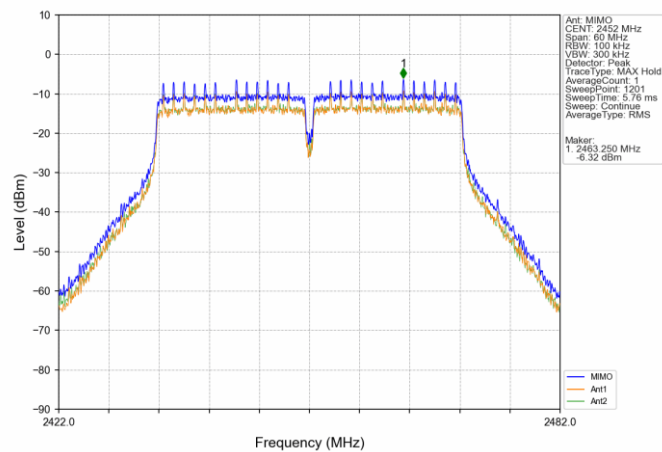
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV





5. UNWANTED EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.94
			2	3.79
		2437	1	3.95
			2	4.31
		2462	1	3.76
			2	4.12
802.11g	SISO	2412	1	-3.15
			2	-3.00
		2437	1	-3.19
			2	-2.75
		2462	1	-3.26
			2	-2.80
802.11n (HT20)	SISO	2412	1	-3.28
			2	-3.03
		2437	1	-3.24
			2	-2.79
		2462	1	-3.20
			2	-2.86
802.11n (HT40)	SISO	2422	1	-6.73
			2	-6.27
		2437	1	-6.51
			2	-6.17
		2452	1	-6.54
			2	-6.21
802.11n (HT20)	MIMO	2412	1	-6.27
			2	-6.52
		2437	1	-6.25
			2	-6.26
		2462	1	-6.33
			2	-6.23
802.11n (HT40)	MIMO	2422	1	-9.27
			2	-9.50
		2437	1	-9.13
			2	-9.31



		2452	1	-9.27
			2	-9.44
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	3.94	-16.06	Pass
			2	3.79	-16.21	Pass
		2437	1	3.95	-16.05	Pass
			2	4.31	-15.69	Pass
		2462	1	3.76	-16.24	Pass
			2	4.12	-15.88	Pass
802.11g	SISO	2412	1	-3.15	-23.15	Pass
			2	-3.00	-23.00	Pass
		2437	1	-3.19	-23.19	Pass
			2	-2.75	-22.75	Pass
		2462	1	-3.26	-23.26	Pass
			2	-2.80	-22.80	Pass
802.11n (HT20)	SISO	2412	1	-3.28	-23.28	Pass
			2	-3.03	-23.03	Pass
		2437	1	-3.24	-23.24	Pass
			2	-2.79	-22.79	Pass
		2462	1	-3.20	-23.20	Pass
			2	-2.86	-22.86	Pass
802.11n (HT40)	SISO	2422	1	-6.73	-26.73	Pass
			2	-6.27	-26.27	Pass
		2437	1	-6.51	-26.51	Pass
			2	-6.17	-26.17	Pass
		2452	1	-6.54	-26.54	Pass
			2	-6.21	-26.21	Pass
802.11n (HT20)	MIMO	2412	1	-6.27	-26.27	Pass
			2	-6.52	-26.52	Pass
		2437	1	-6.25	-26.25	Pass
			2	-6.26	-26.26	Pass
		2462	1	-6.33	-26.33	Pass
			2	-6.23	-26.23	Pass
802.11n (HT40)	MIMO	2422	1	-9.27	-29.27	Pass
			2	-9.50	-29.50	Pass



		2437	1	-9.13	-29.13	Pass
			2	-9.31	-29.31	Pass
		2452	1	-9.27	-29.27	Pass
			2	-9.44	-29.44	Pass

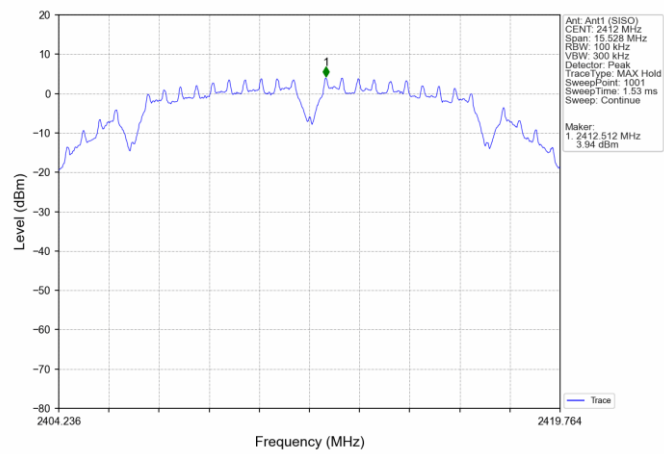
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.



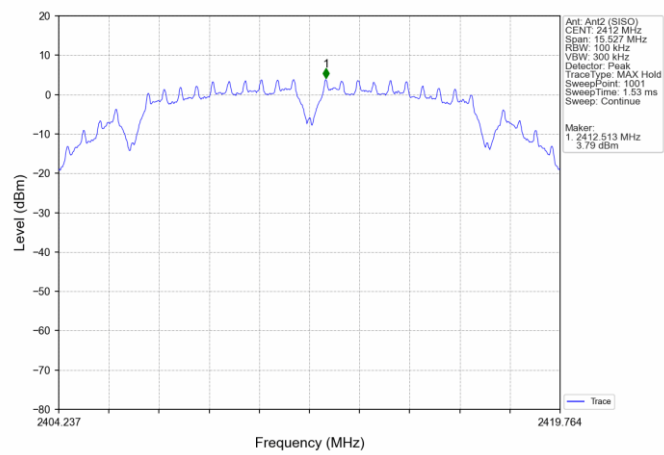
5.2 Test Graph

5.2.1 Ref

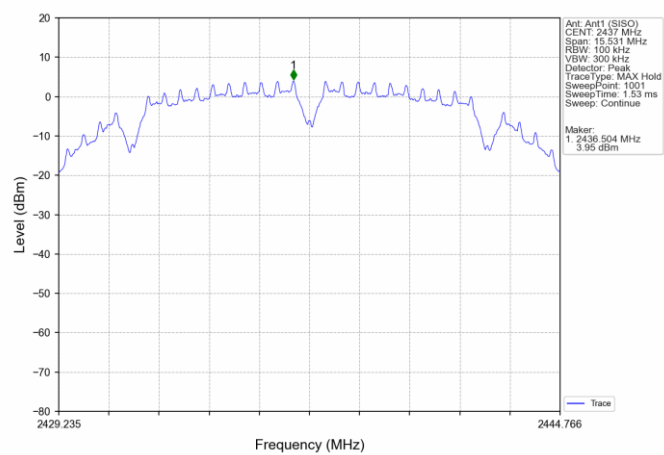
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV

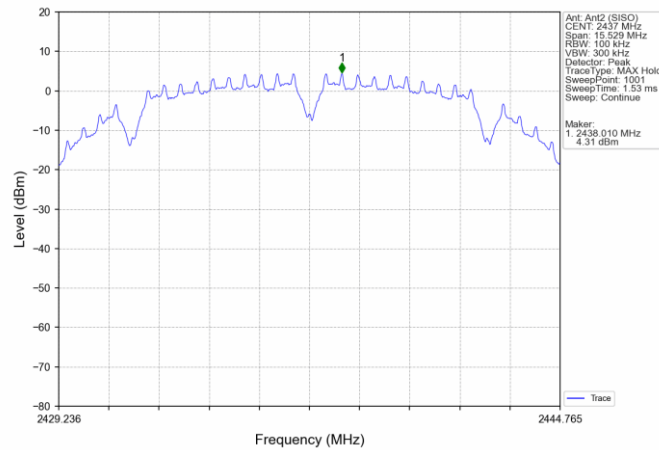


802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

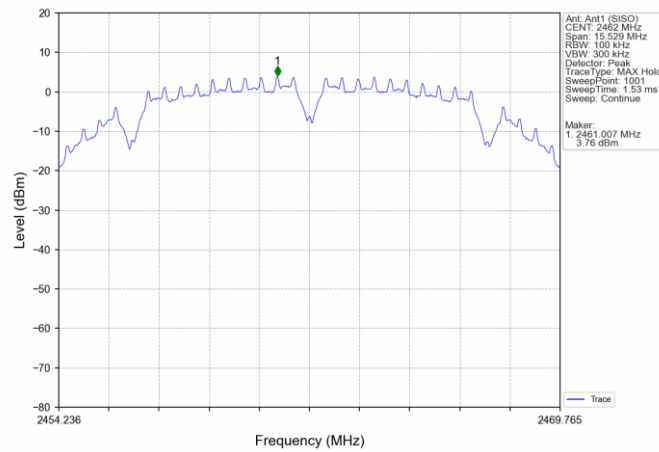




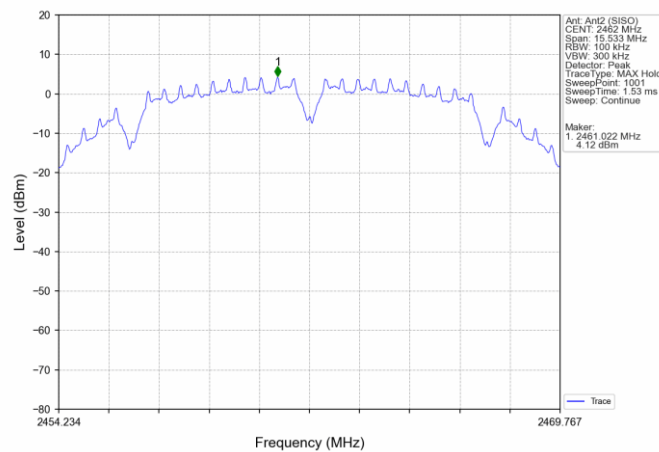
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

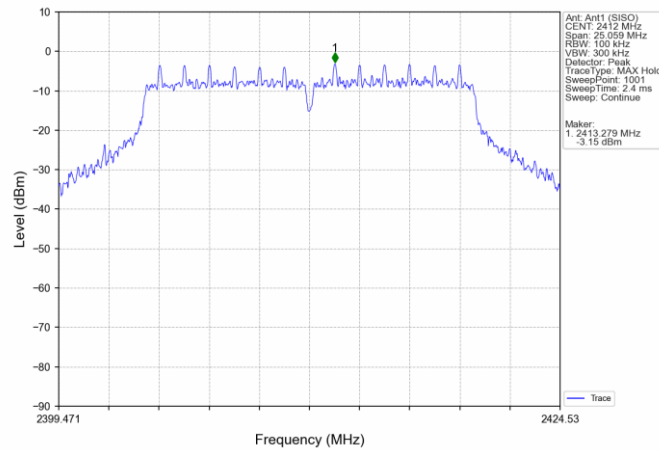


802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV

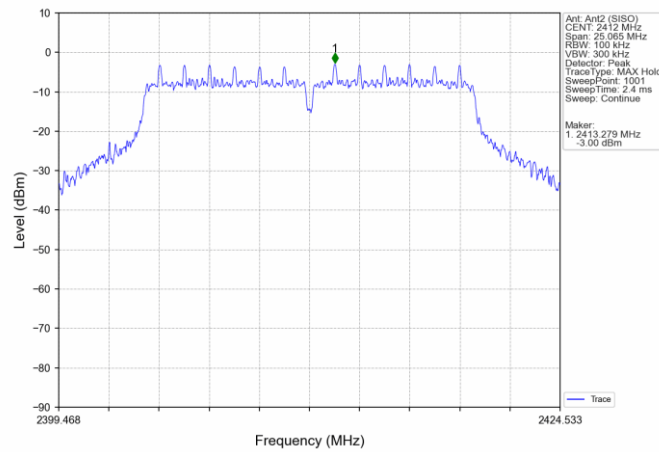




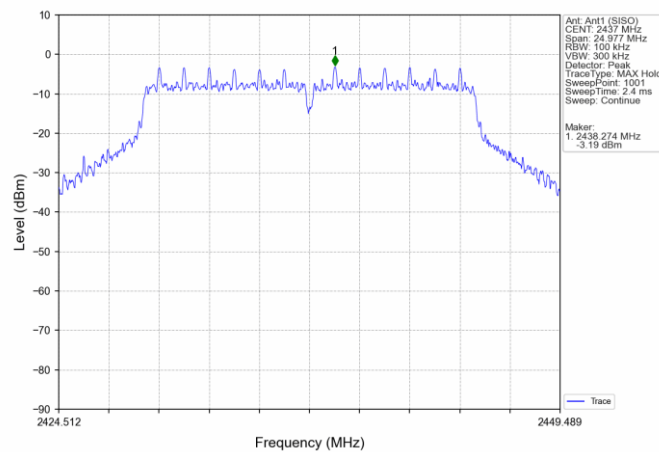
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV

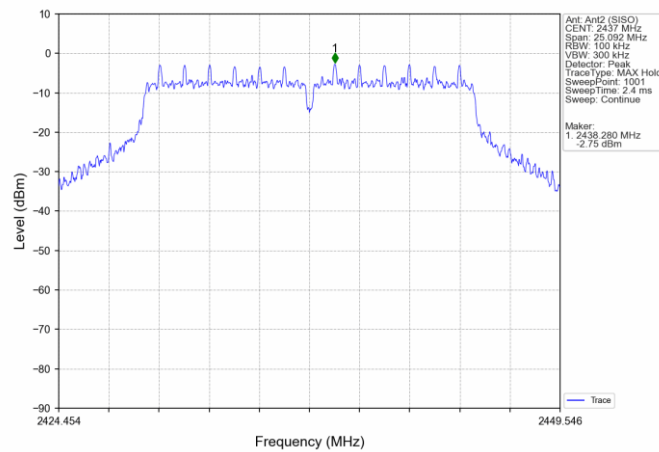


802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

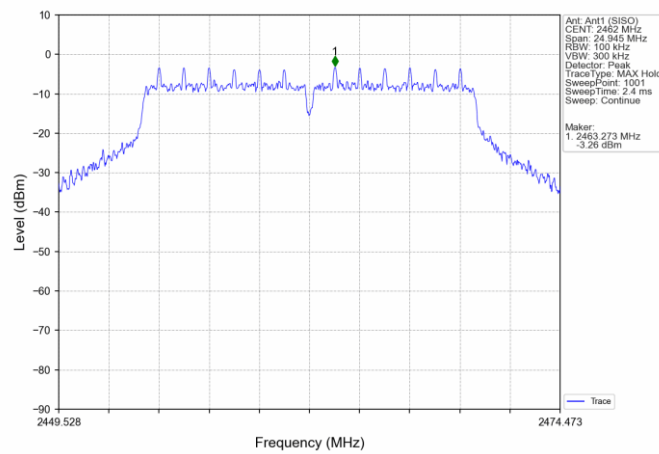




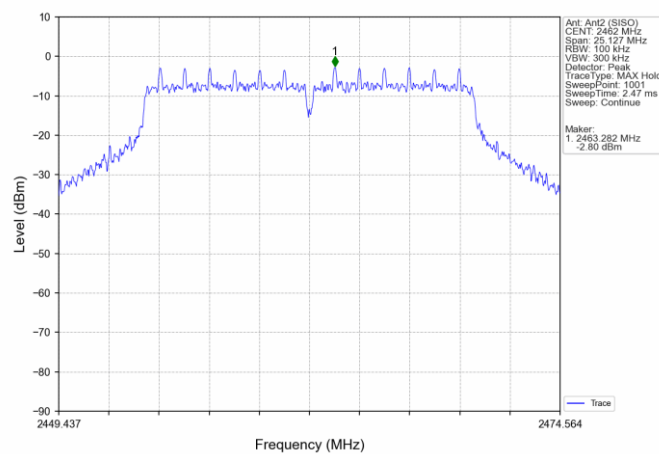
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

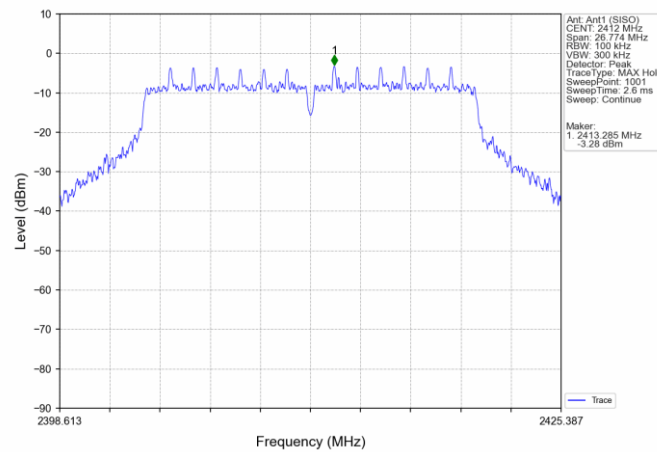


802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

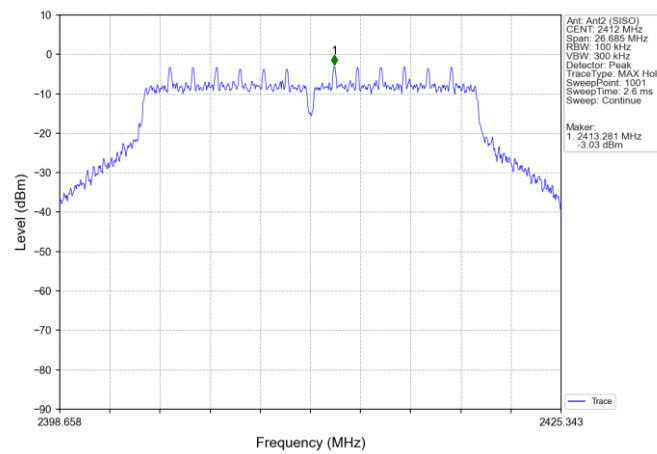




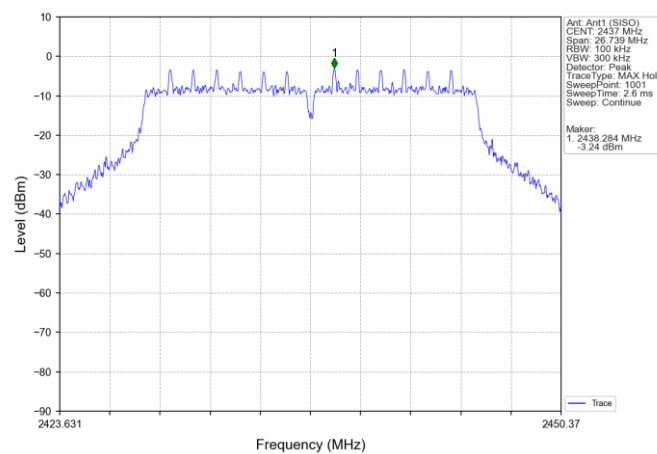
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV

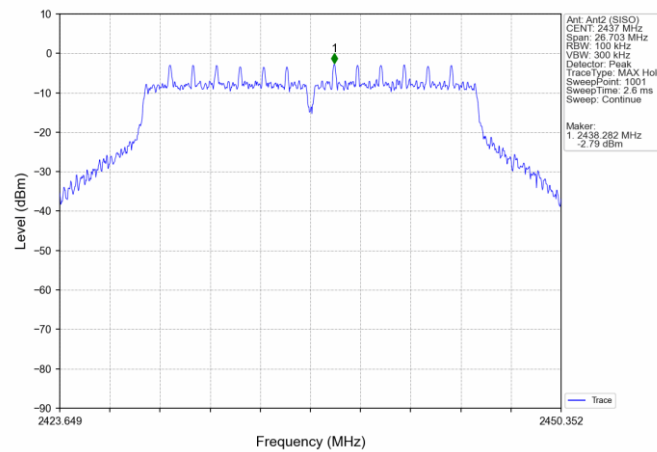


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

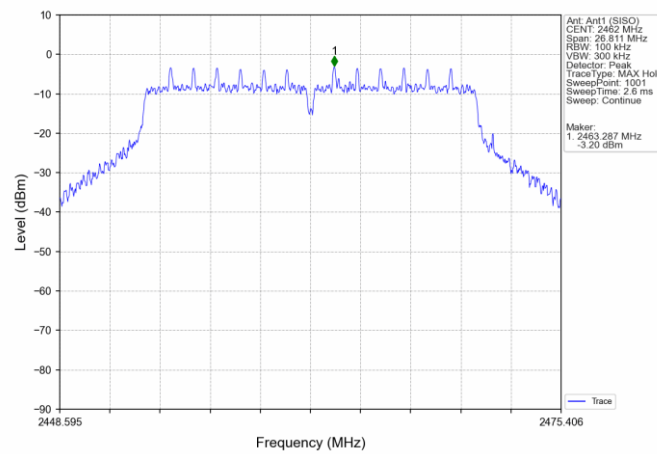




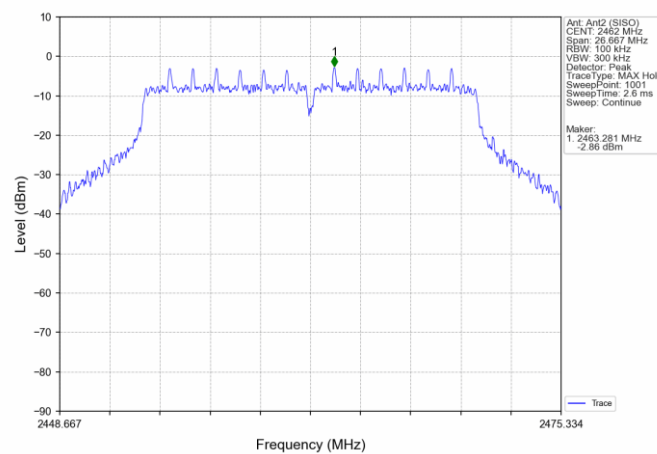
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

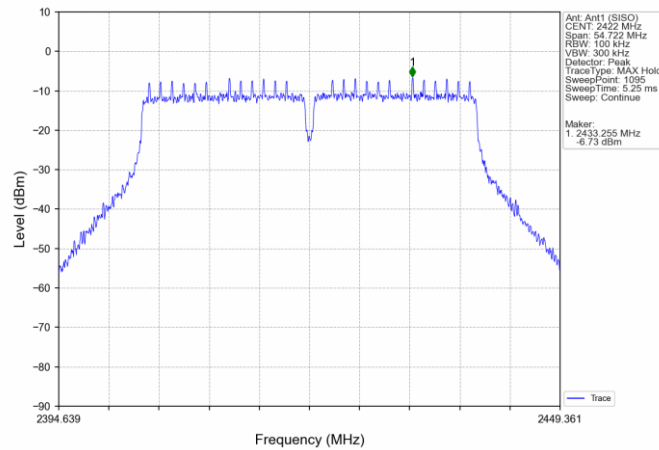


802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV

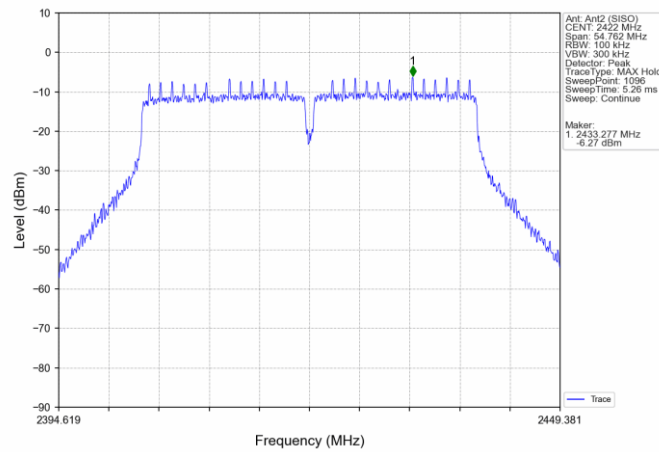




802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

