

2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	MIMO	2412	/	/	6	12.832	/	Pass
		2437	/	/	6	12.516	/	Pass
		2462	/	/	6	12.888	/	Pass
802.11g	MIMO	2412	/	/	6	17.622	/	Pass
		2437	/	/	6	17.285	/	Pass
		2462	/	/	6	17.429	/	Pass
802.11n (HT20)	MIMO	2412	/	/	6	18.230	/	Pass
		2437	/	/	6	18.067	/	Pass
		2462	/	/	6	18.217	/	Pass
802.11n (HT40)	MIMO	2422	/	/	6	37.307	/	Pass
		2437	/	/	6	36.592	/	Pass
		2452	/	/	6	37.375	/	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	6	18.748	/	Pass
		2437	SU	/	6	18.818	/	Pass
		2462	SU	/	6	18.883	/	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	6	38.037	/	Pass
		2437	SU	/	6	37.802	/	Pass
		2452	SU	/	6	38.436	/	Pass
802.11ac (VHT20)	MIMO	2412	/	/	6	18.121	/	Pass
		2437	/	/	6	18.180	/	Pass
		2462	/	/	6	18.420	/	Pass
802.11ac (VHT40)	MIMO	2422	/	/	6	37.628	/	Pass
		2437	/	/	6	37.099	/	Pass
		2452	/	/	6	37.707	/	Pass
802.11be (EHT20)	MIMO	2412	SU	/	6	18.882	/	Pass
		2437	SU	/	6	18.867	/	Pass
		2462	SU	/	6	18.949	/	Pass
802.11be (EHT40)	MIMO	2422	SU	/	6	38.578	/	Pass
		2437	SU	/	6	37.955	/	Pass
		2452	SU	/	6	38.449	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	MIMO	2412	/	/	6	8.053	≥ 0.5	Pass
		2437	/	/	6	7.570	≥ 0.5	Pass
		2462	/	/	6	7.125	≥ 0.5	Pass
802.11g	MIMO	2412	/	/	6	14.349	≥ 0.5	Pass
		2437	/	/	6	15.171	≥ 0.5	Pass

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		2462	/	/	6	15.176	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	6	14.691	>=0.5	Pass
		2437	/	/	6	15.277	>=0.5	Pass
		2462	/	/	6	16.045	>=0.5	Pass
		2422	/	/	6	35.754	>=0.5	Pass
802.11n (HT40)	MIMO	2437	/	/	6	33.887	>=0.5	Pass
		2452	/	/	6	35.743	>=0.5	Pass
		2412	SU	/	6	16.659	>=0.5	Pass
802.11ax (HEW20)	MIMO	2437	SU	/	6	16.182	>=0.5	Pass
		2462	SU	/	6	16.387	>=0.5	Pass
		2422	SU	/	6	34.152	>=0.5	Pass
802.11ax (HEW40)	MIMO	2437	SU	/	6	35.066	>=0.5	Pass
		2452	SU	/	6	37.630	>=0.5	Pass
		2412	/	/	6	15.413	>=0.5	Pass
802.11ac (VHT20)	MIMO	2437	/	/	6	16.295	>=0.5	Pass
		2462	/	/	6	16.366	>=0.5	Pass
		2422	/	/	6	35.949	>=0.5	Pass
802.11ac (VHT40)	MIMO	2437	/	/	6	35.079	>=0.5	Pass
		2452	/	/	6	35.722	>=0.5	Pass
		2412	SU	/	6	16.113	>=0.5	Pass
802.11be (EHT20)	MIMO	2437	SU	/	6	16.139	>=0.5	Pass
		2462	SU	/	6	16.863	>=0.5	Pass
		2422	SU	/	6	37.211	>=0.5	Pass
802.11be (EHT40)	MIMO	2437	SU	/	6	32.746	>=0.5	Pass
		2452	SU	/	6	37.675	>=0.5	Pass



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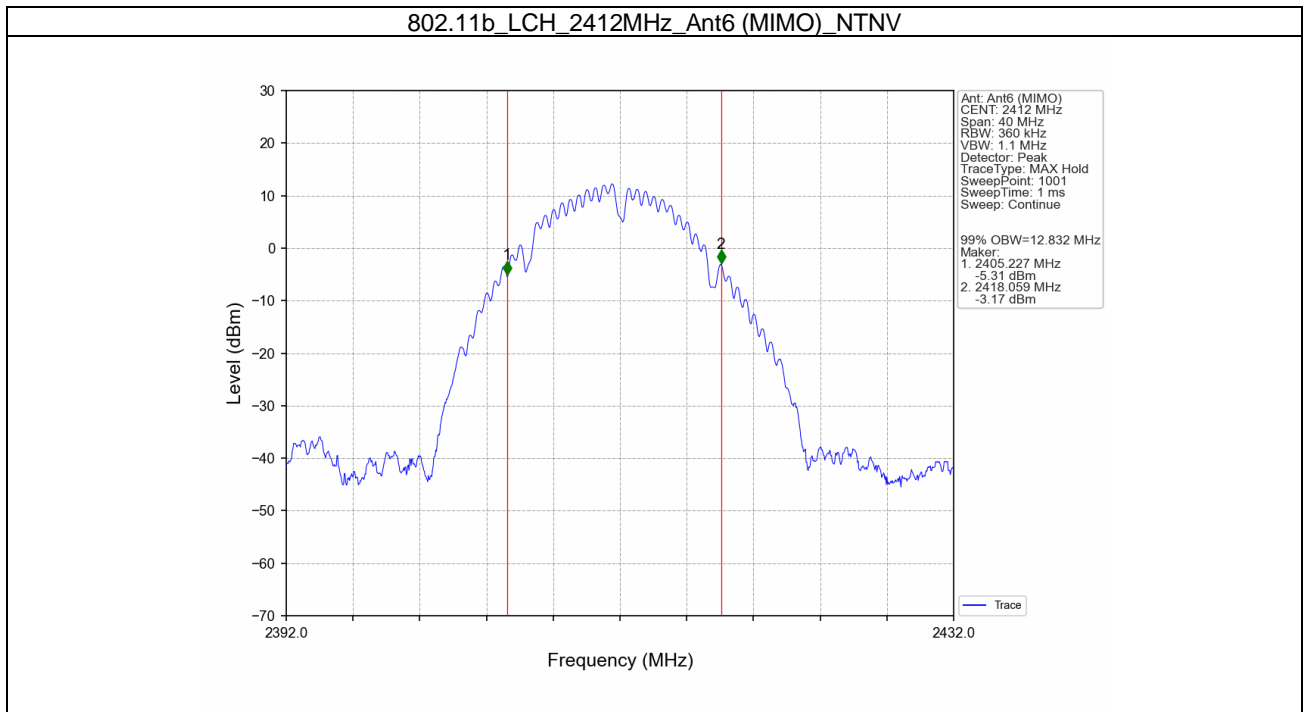
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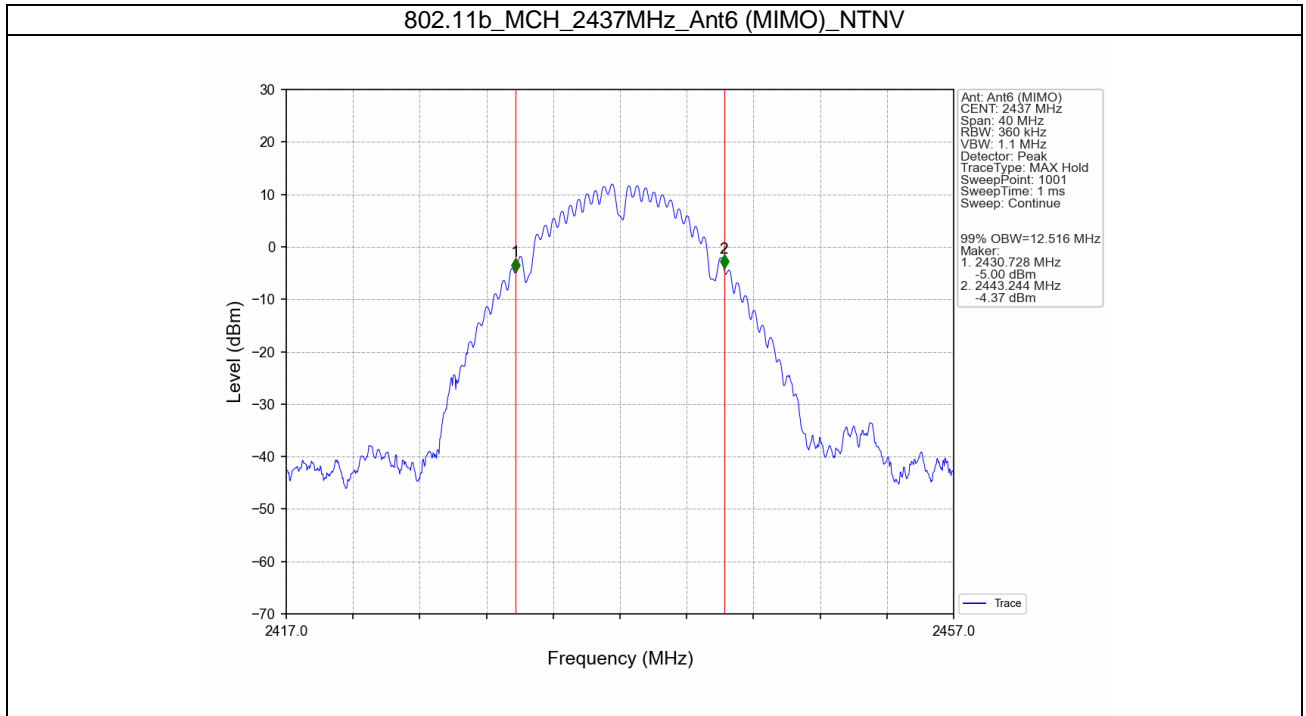
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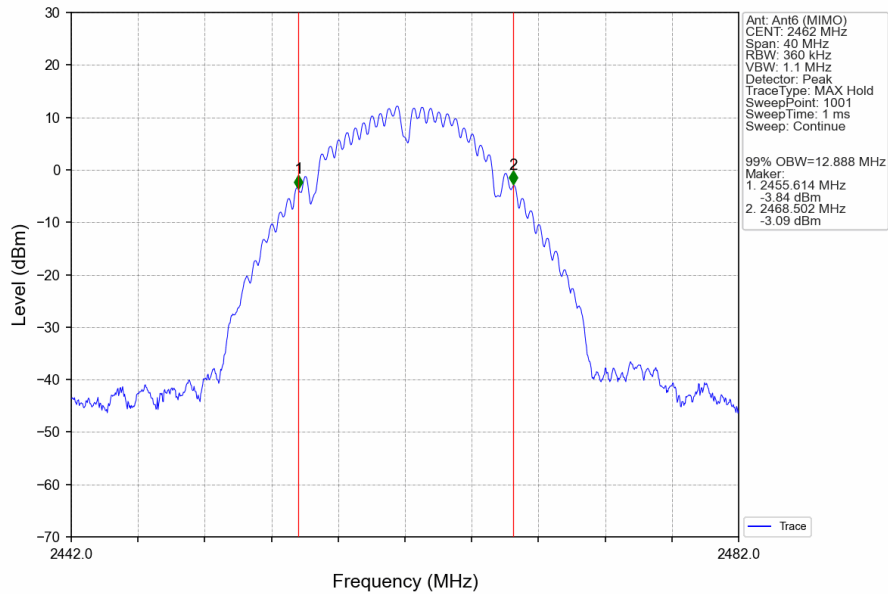
2.2 Test Graph

2.2.1 OBW



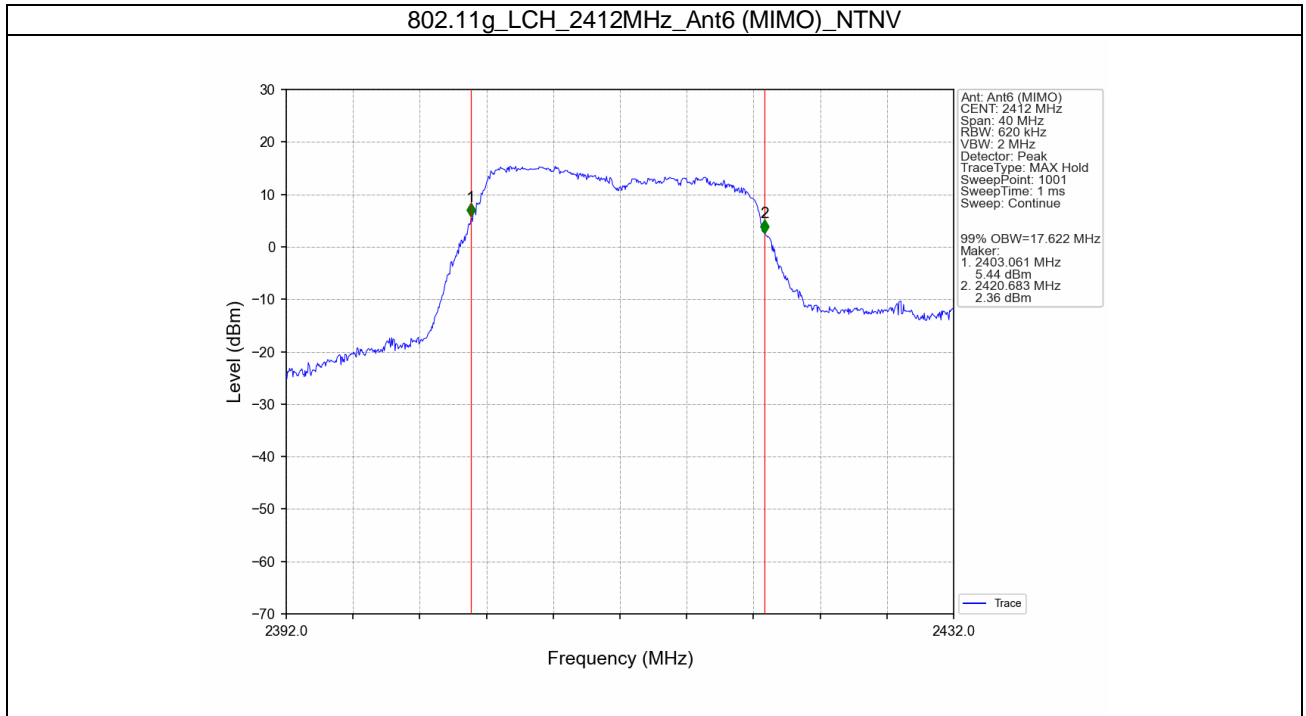


802.11b_HCH_2462MHz_Ant6 (MIMO)_NTNV



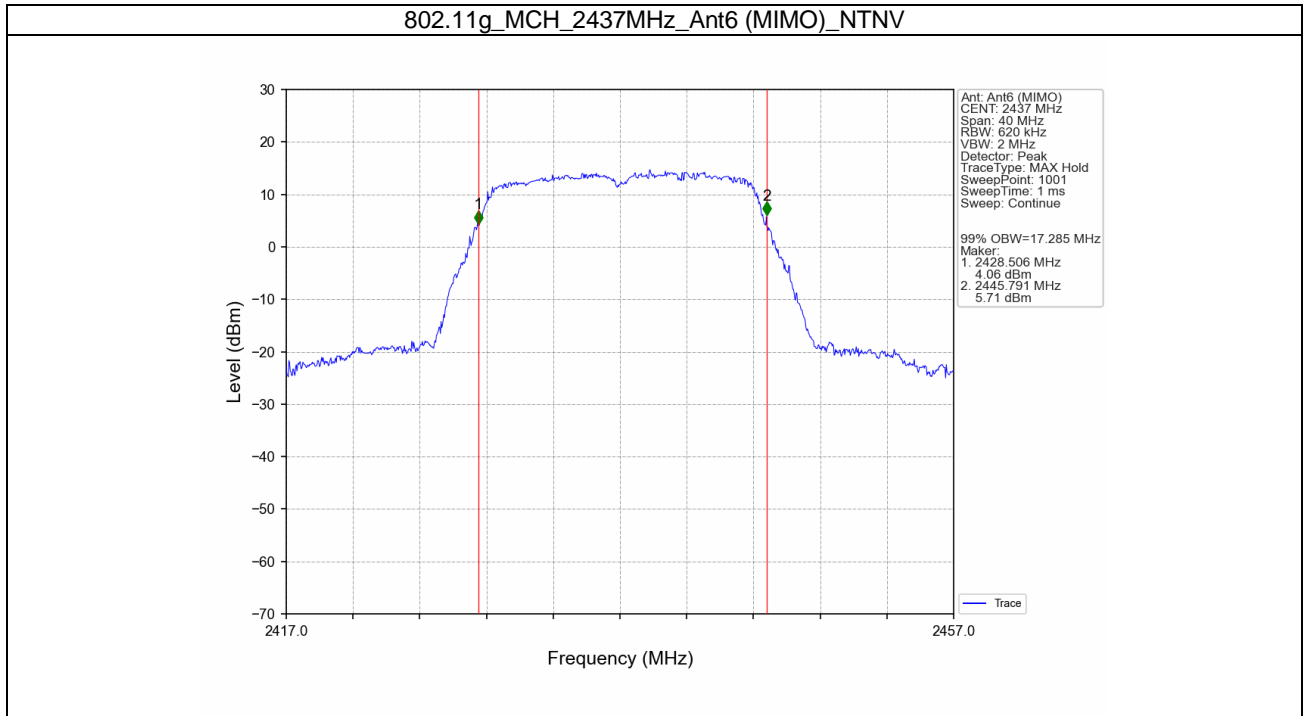
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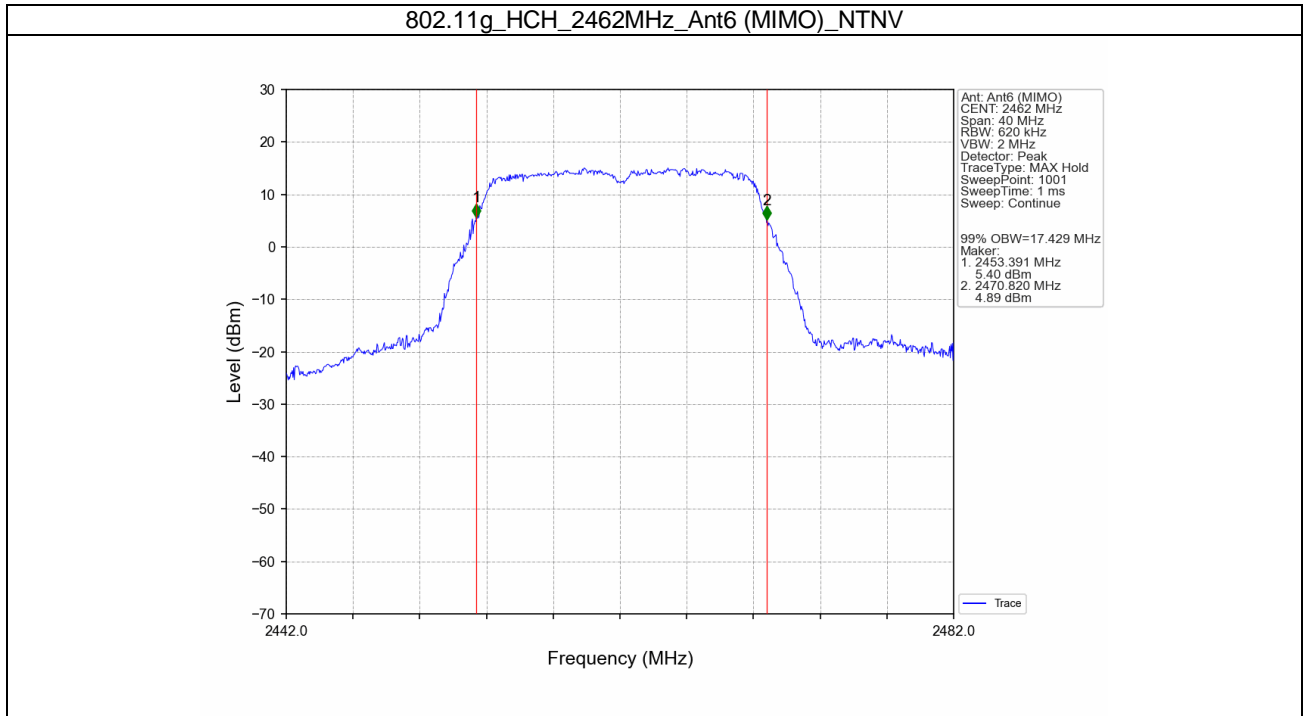
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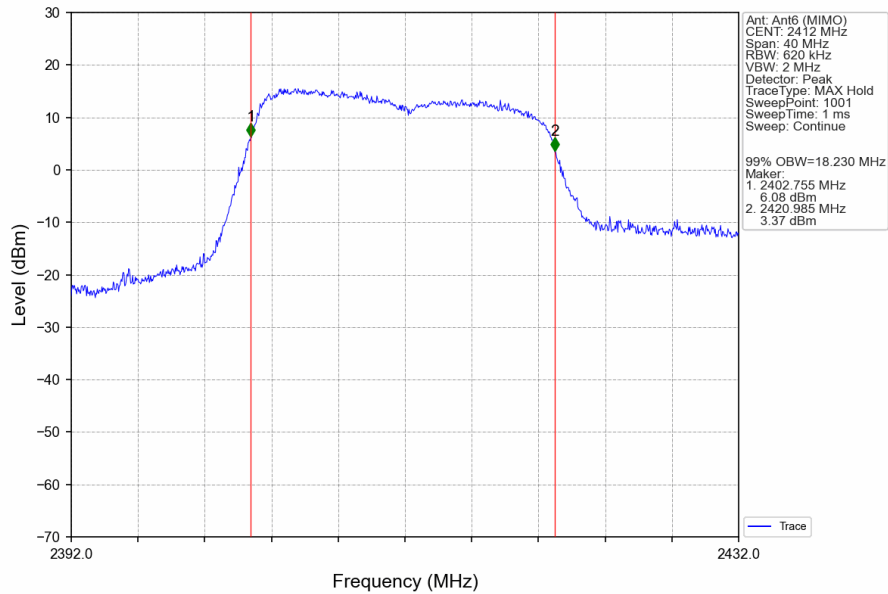
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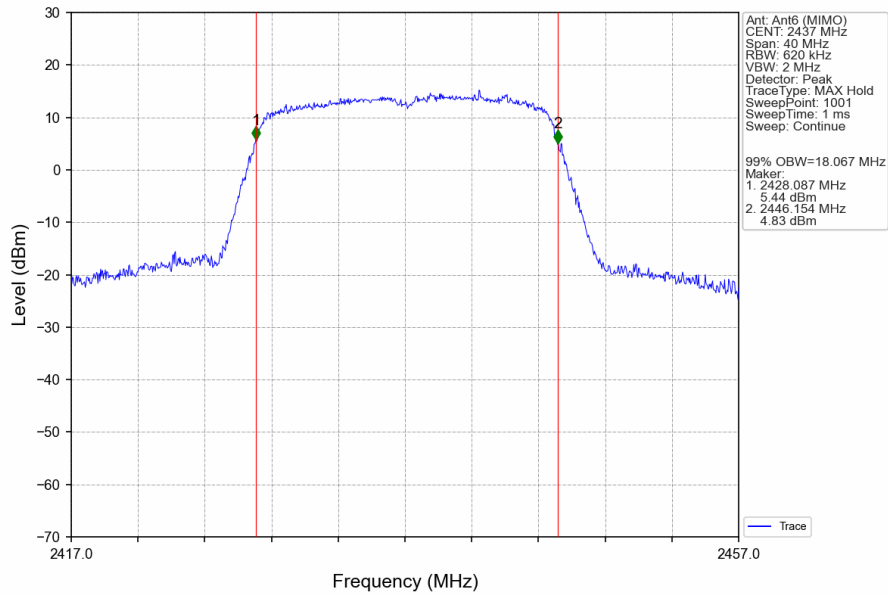
802.11n(HT20)_LCH_2412MHz_Ant6 (MIMO)_NTNV



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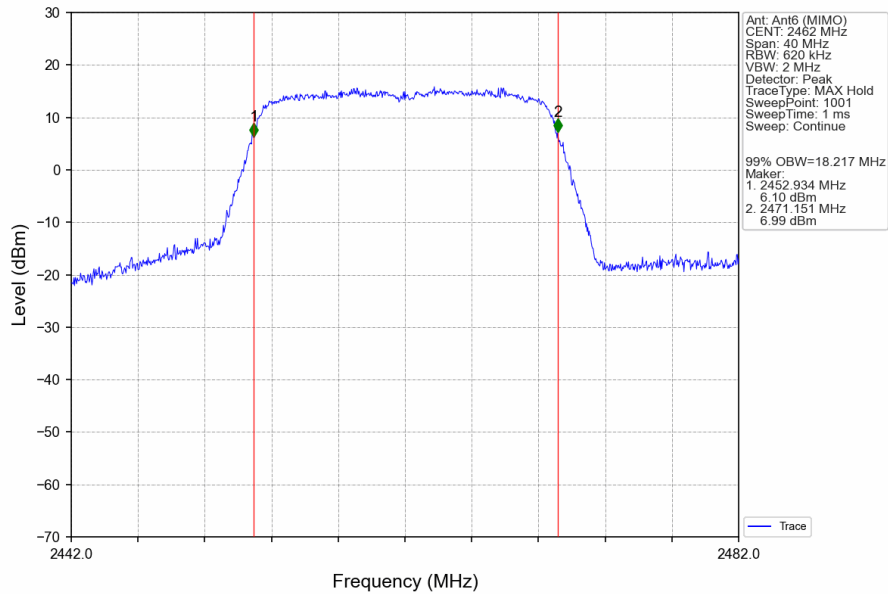
802.11n(HT20)_MCH_2437MHz_Ant6 (MIMO)_NTNV



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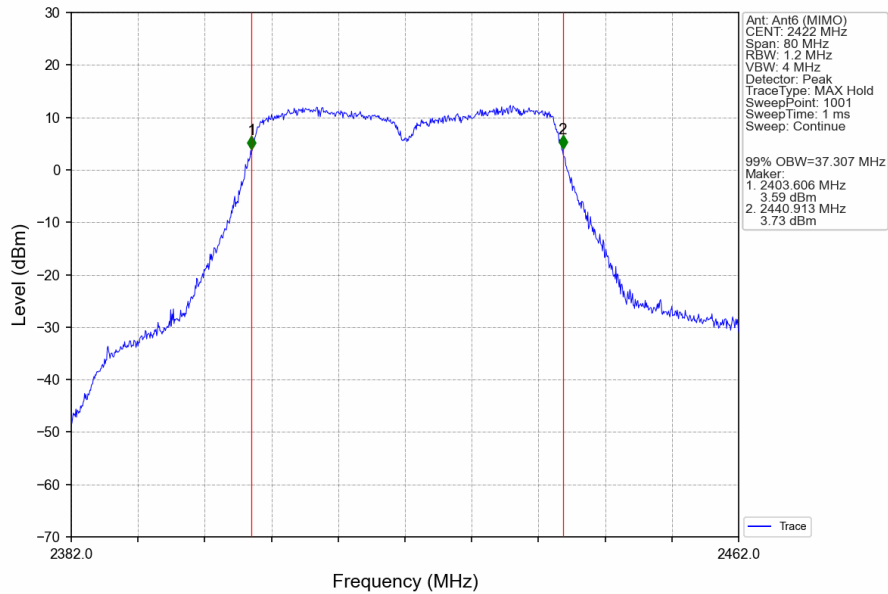
802.11n(HT20)_HCH_2462MHz_Ant6 (MIMO)_NTNV



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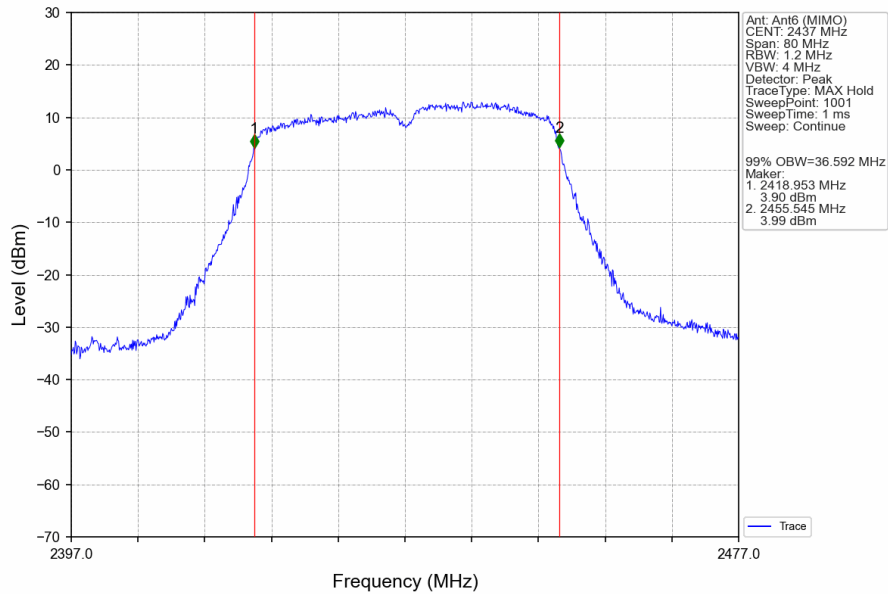
802.11n(HT40)_LCH_2422MHz_Ant6 (MIMO)_NTNV



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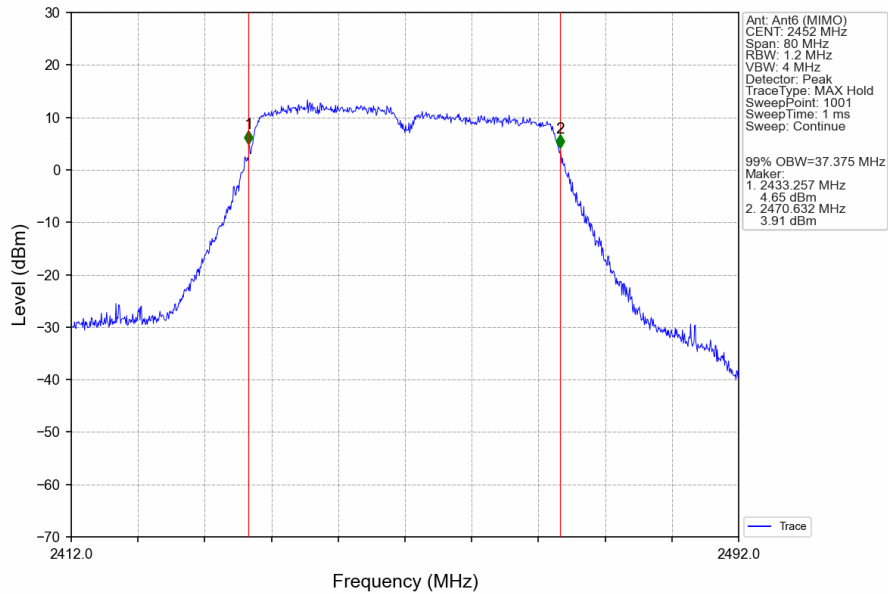
802.11n(HT40)_MCH_2437MHz_Ant6 (MIMO)_NTNV



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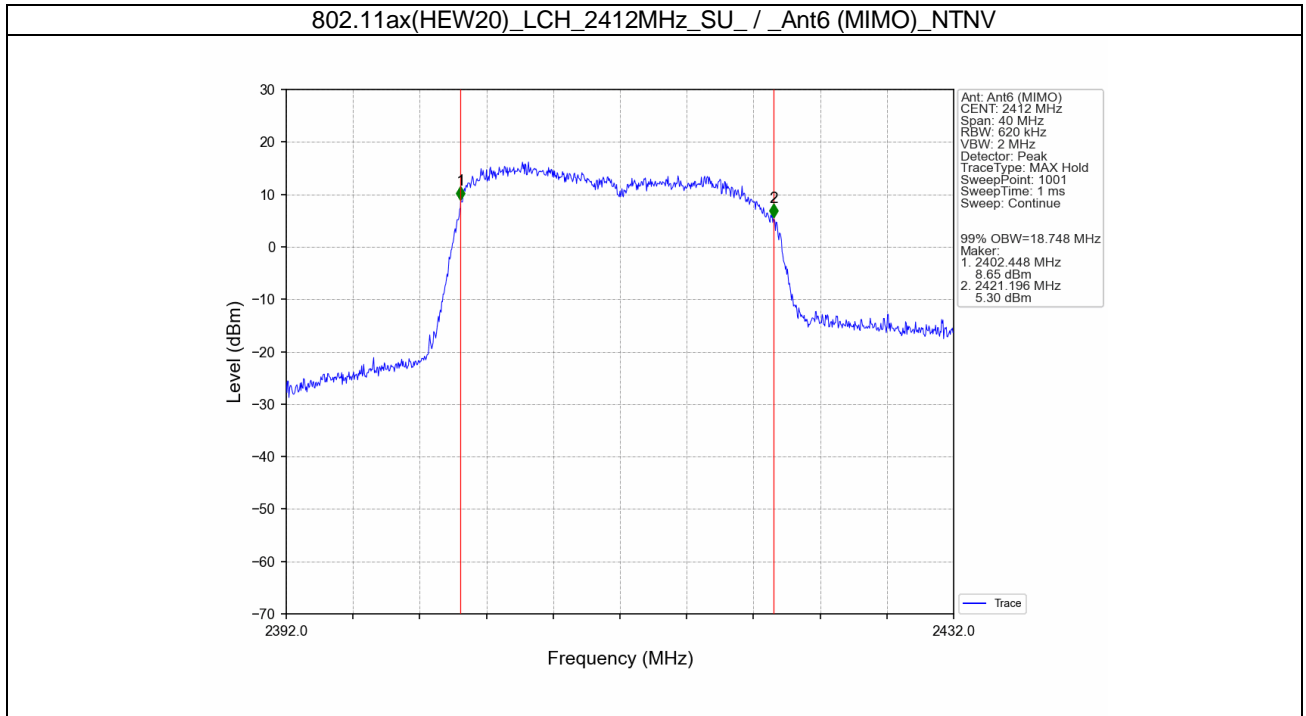
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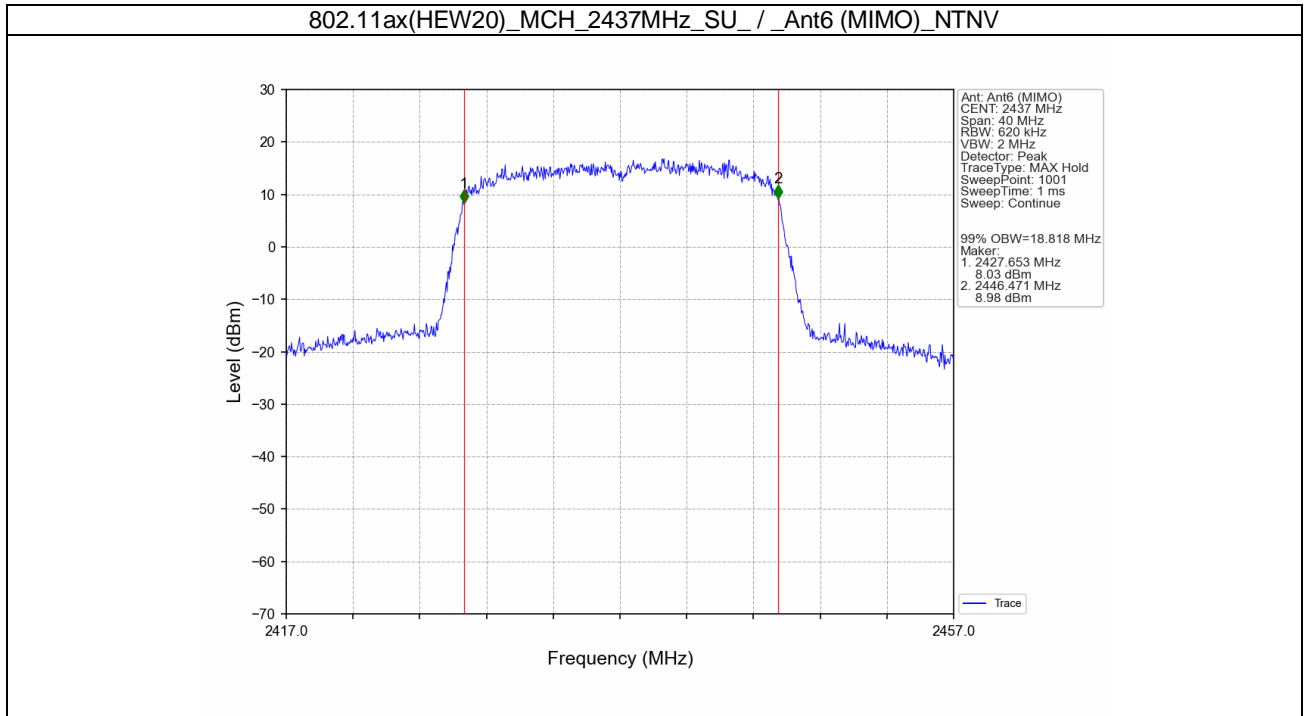
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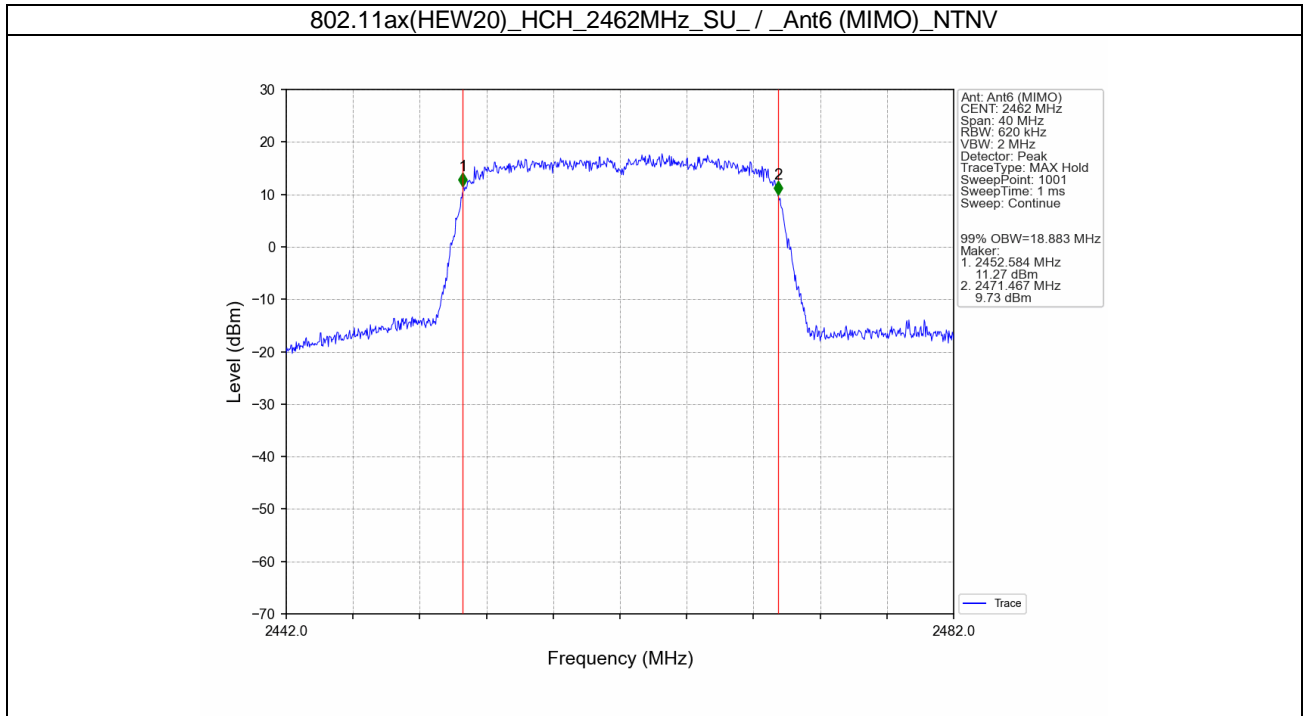


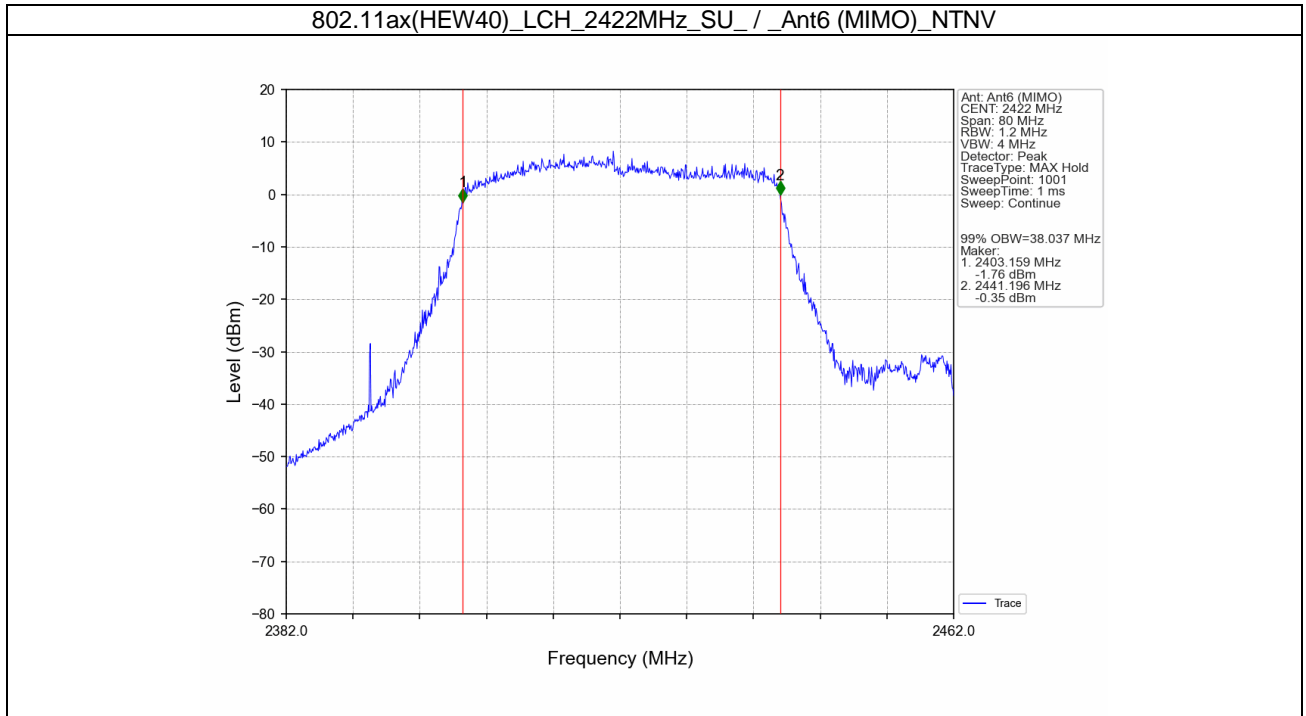
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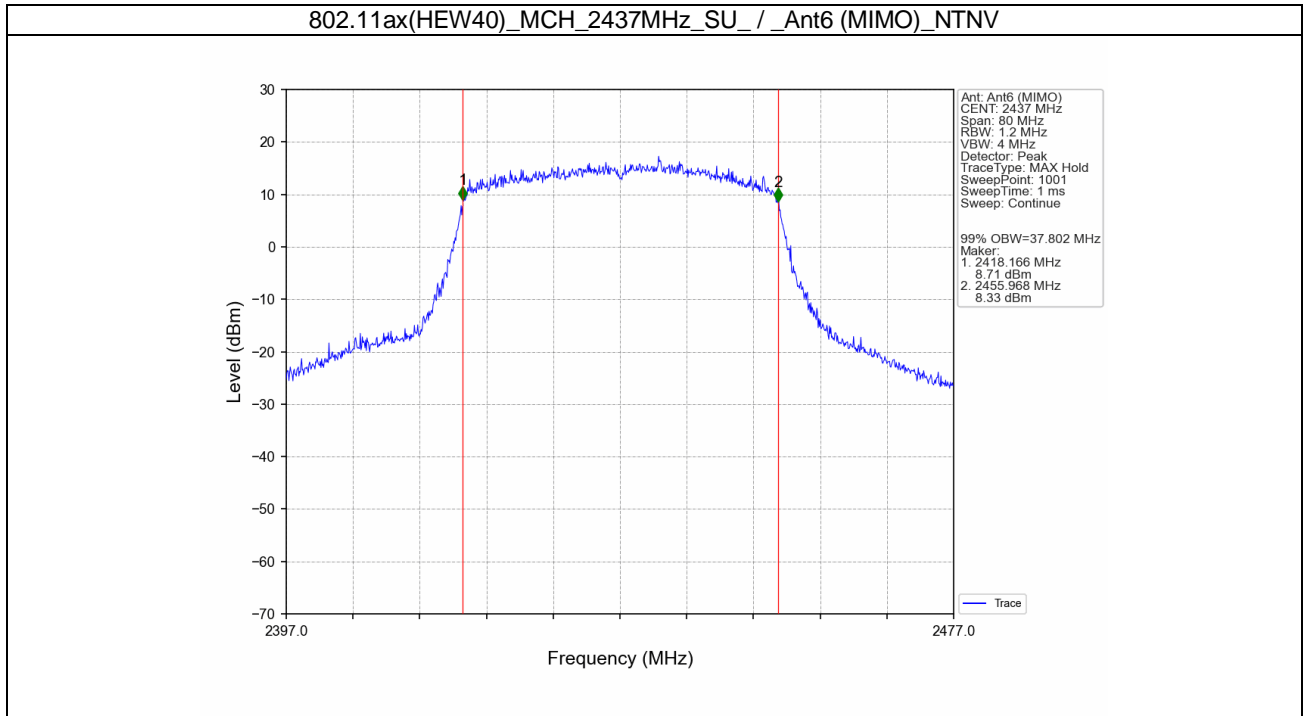
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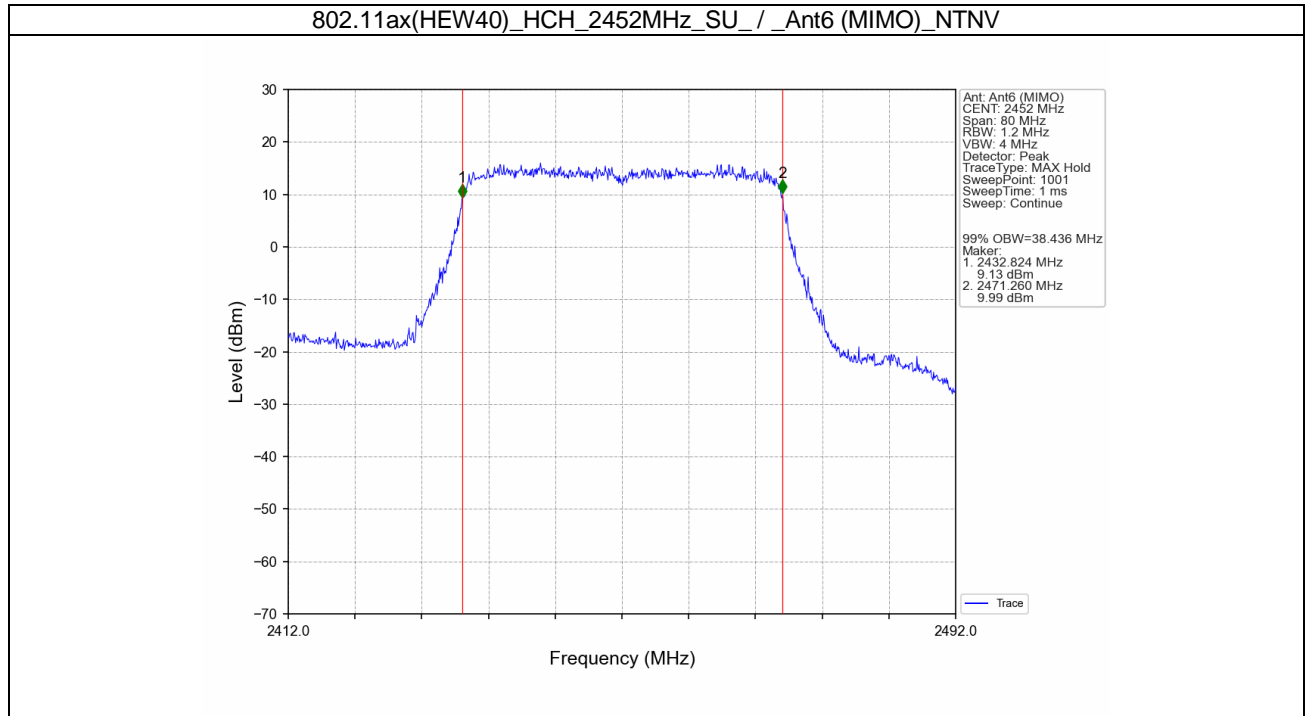






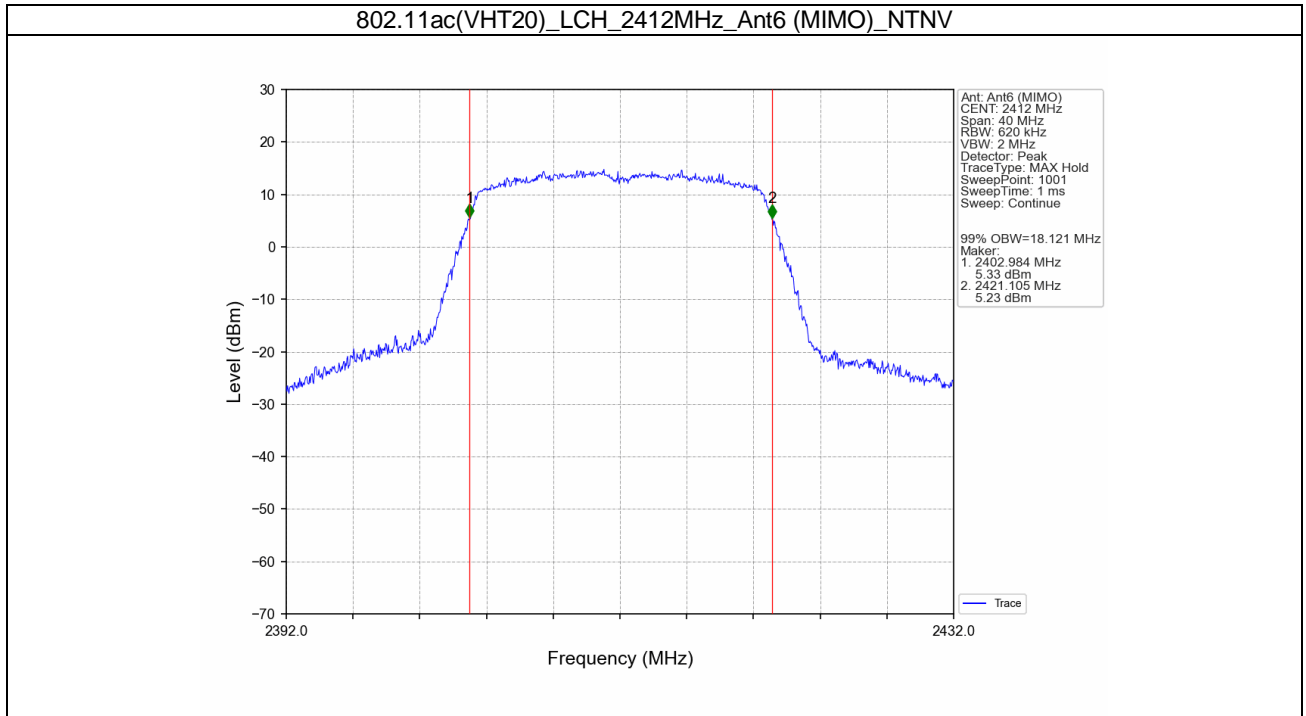


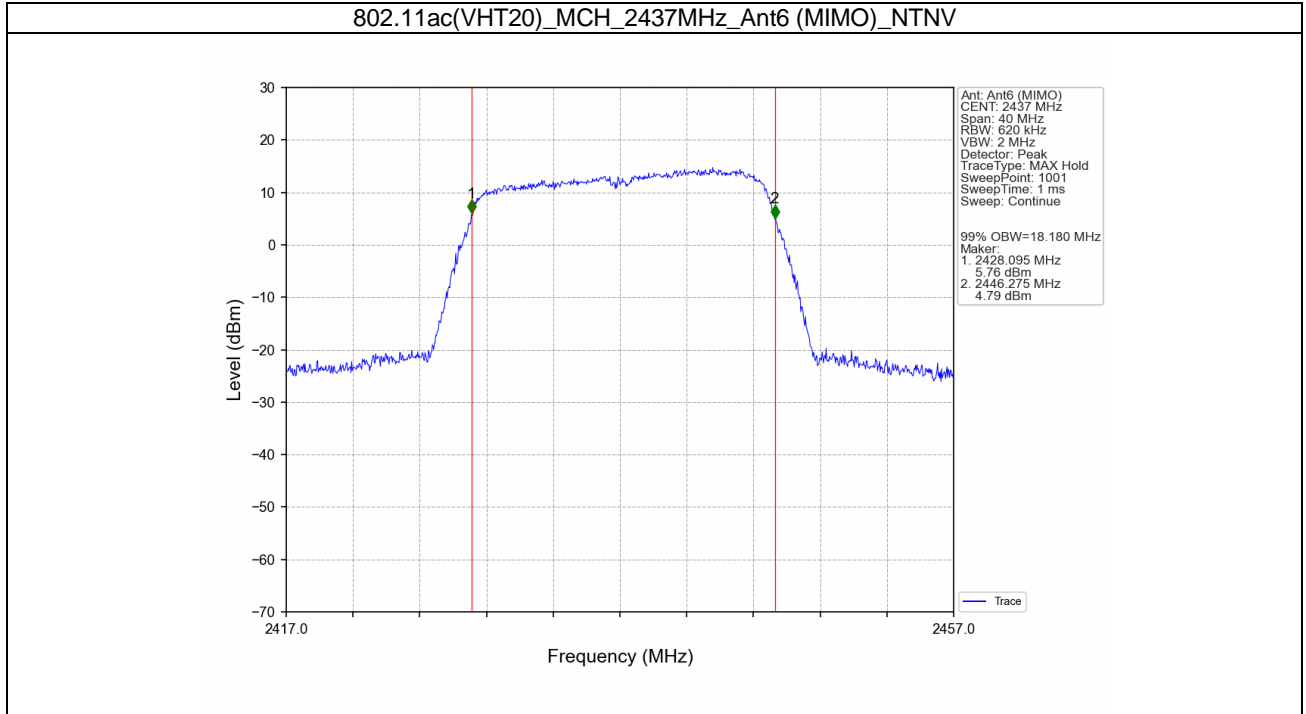


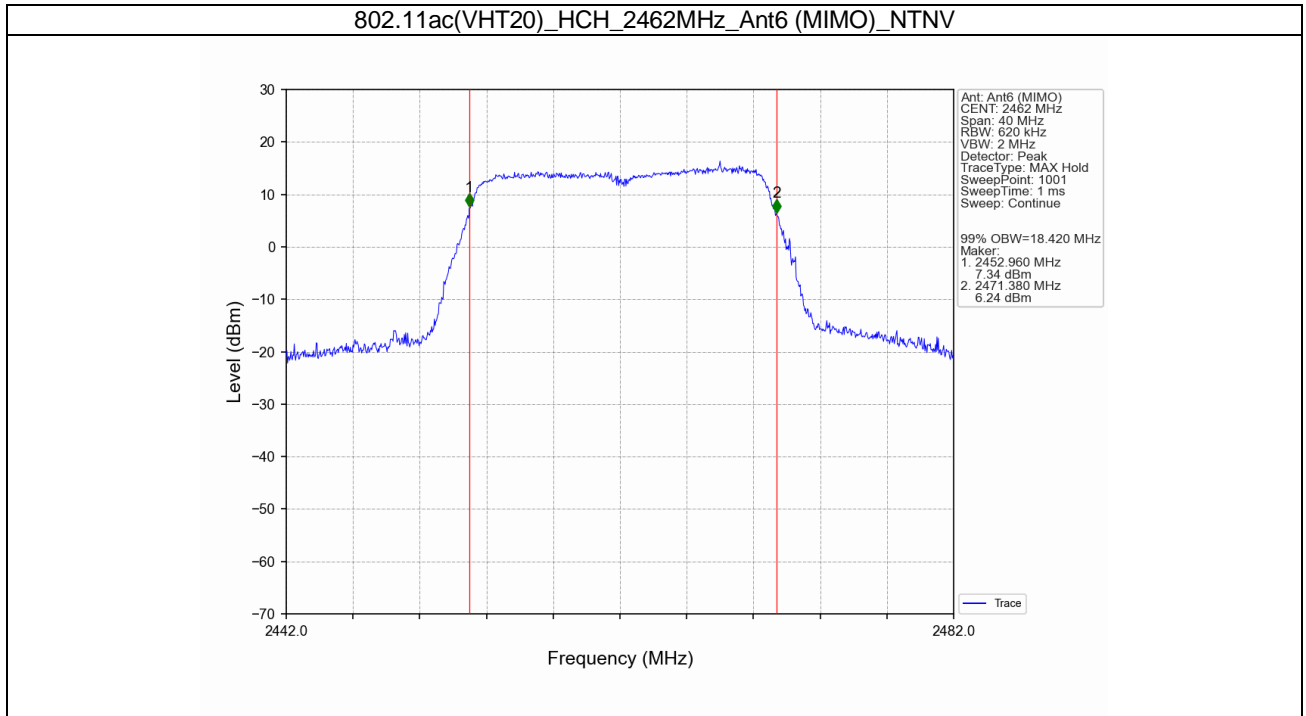


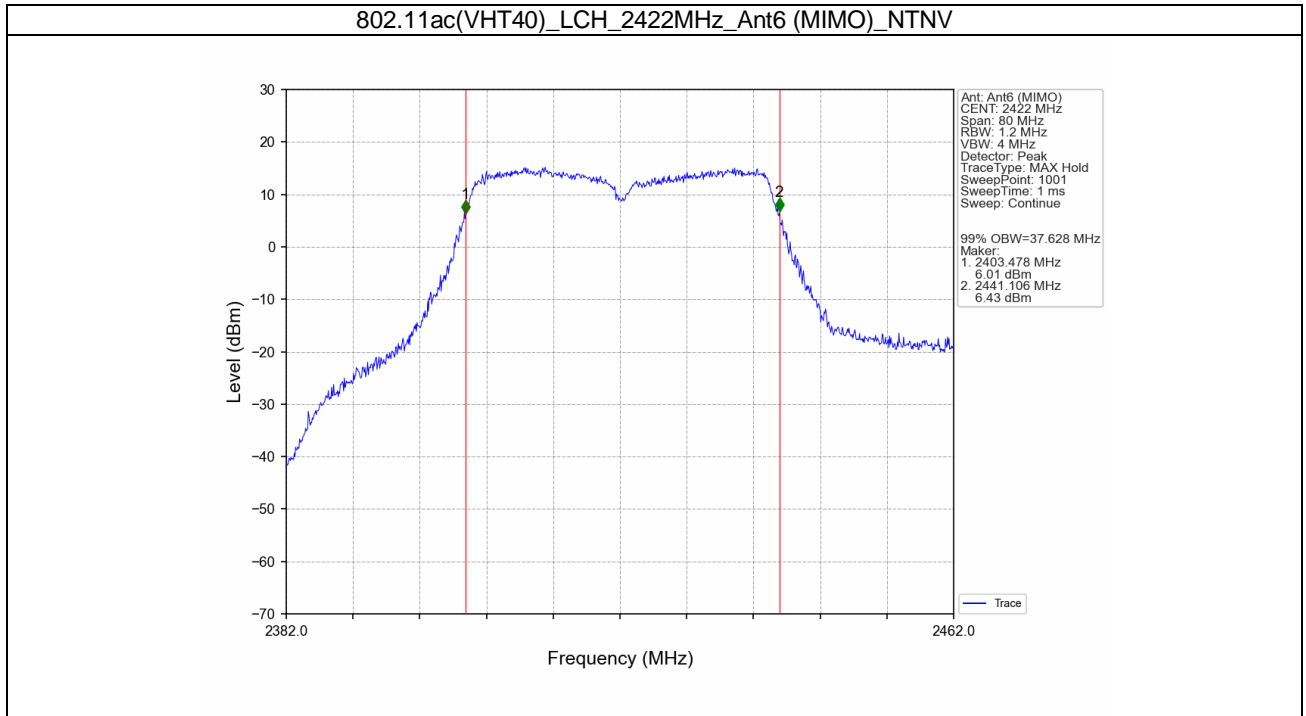
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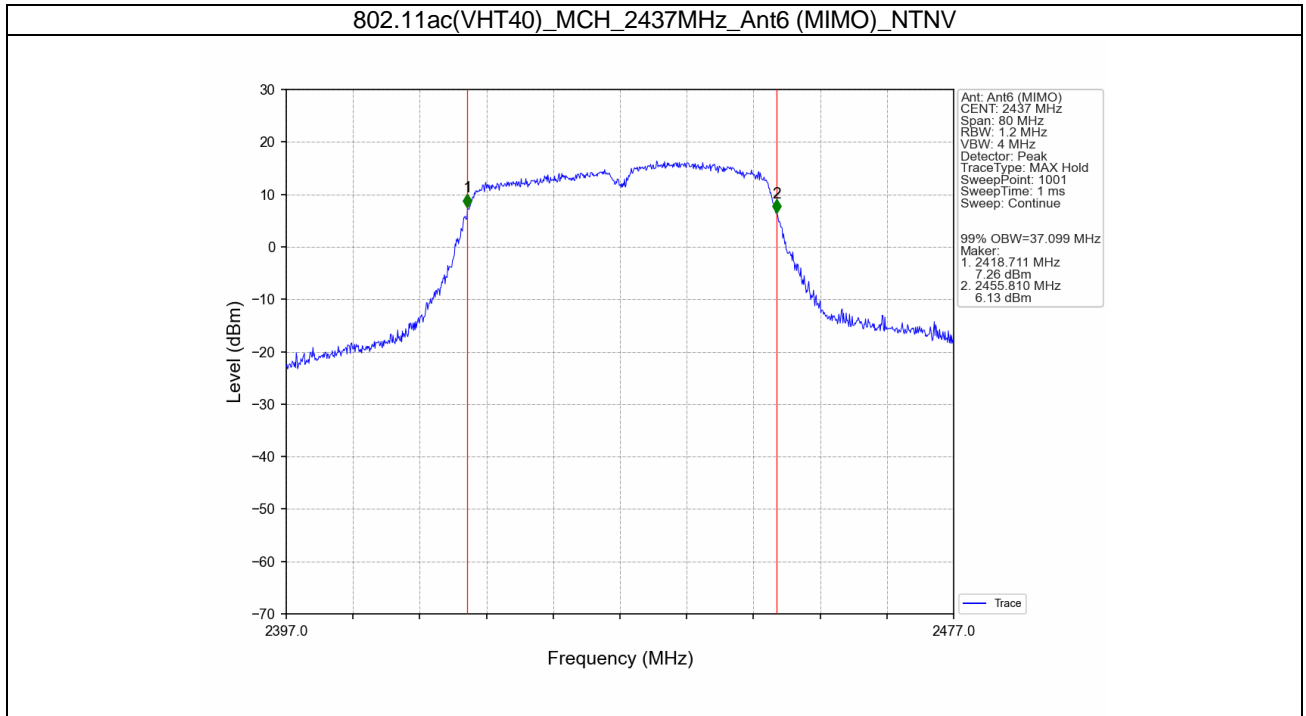
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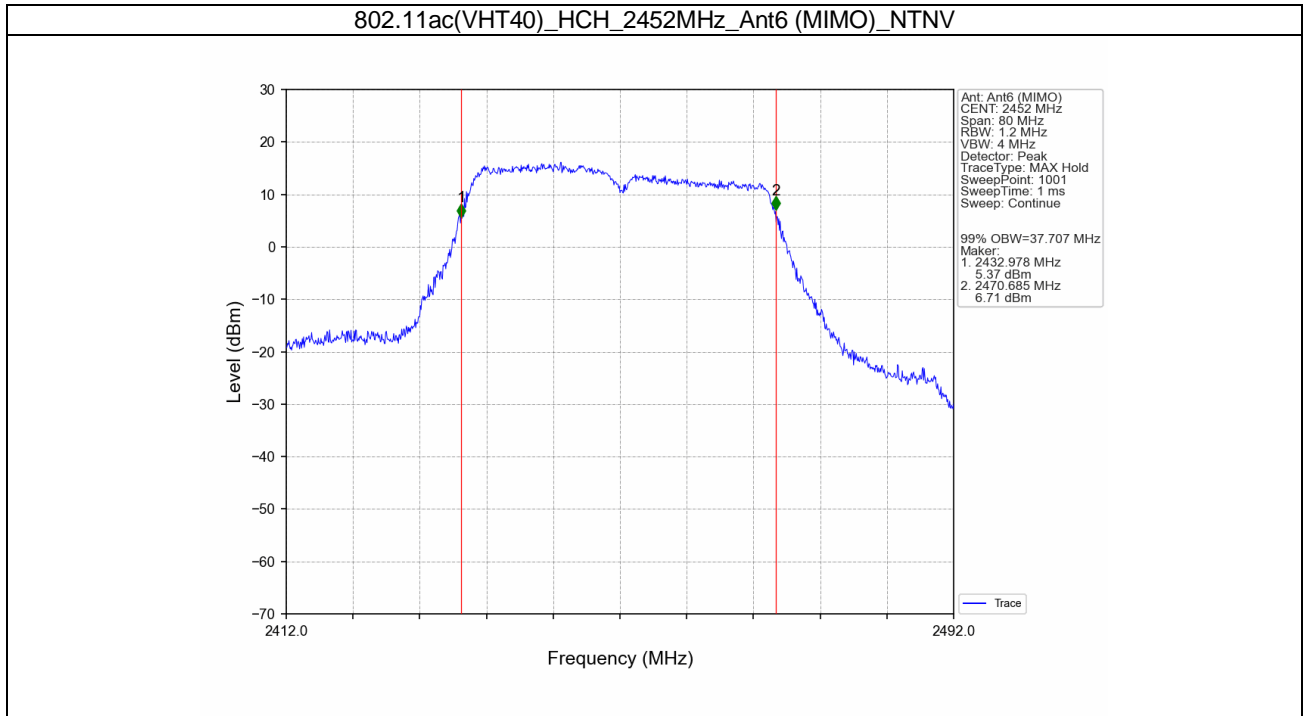


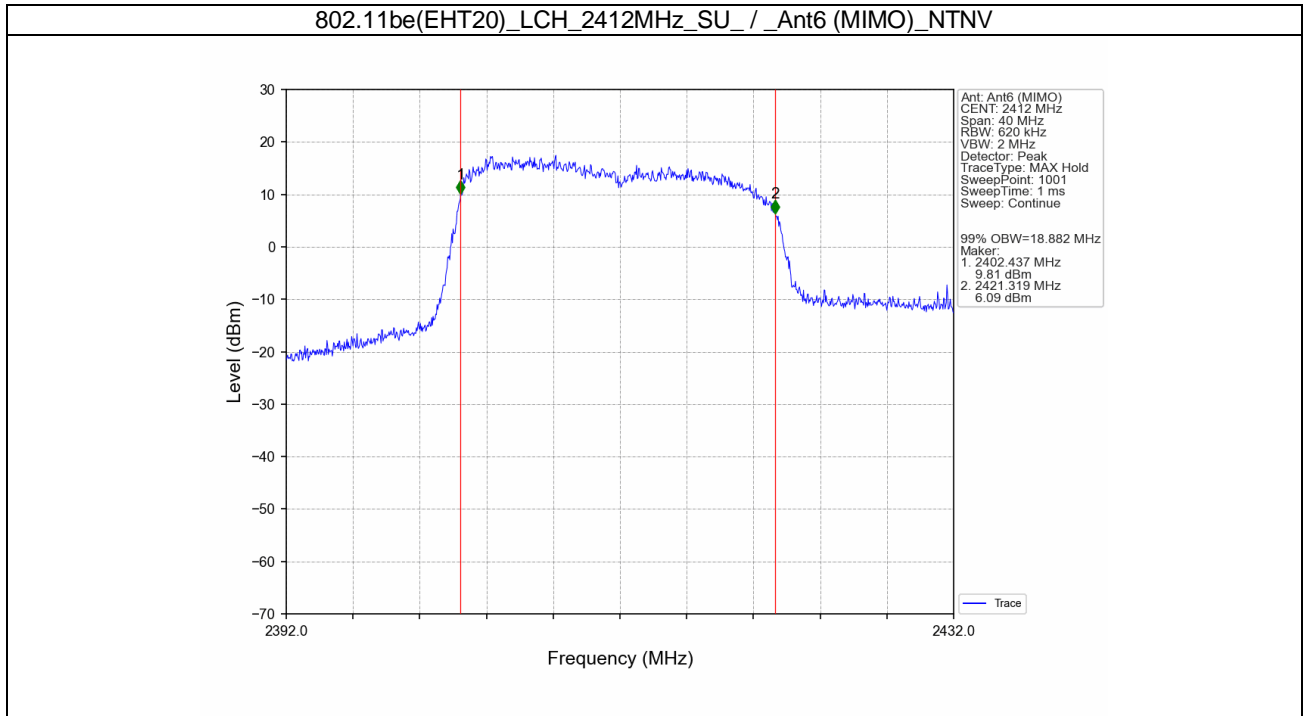


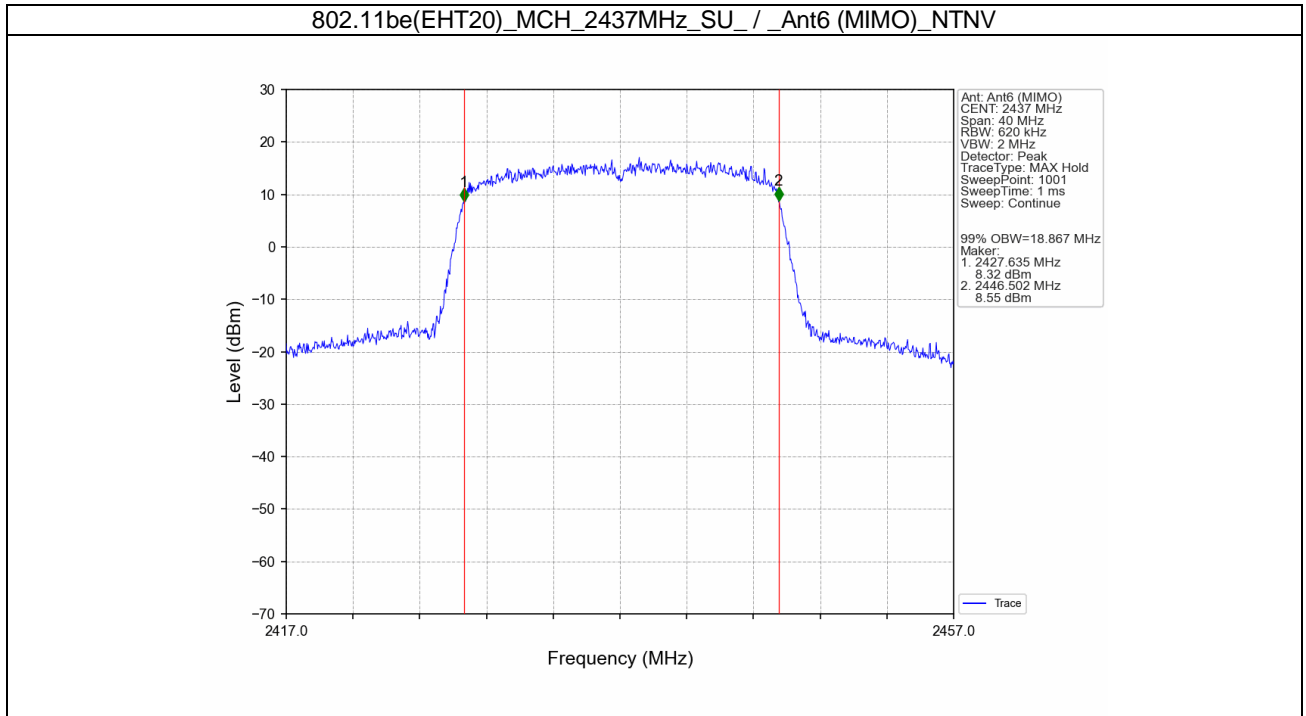






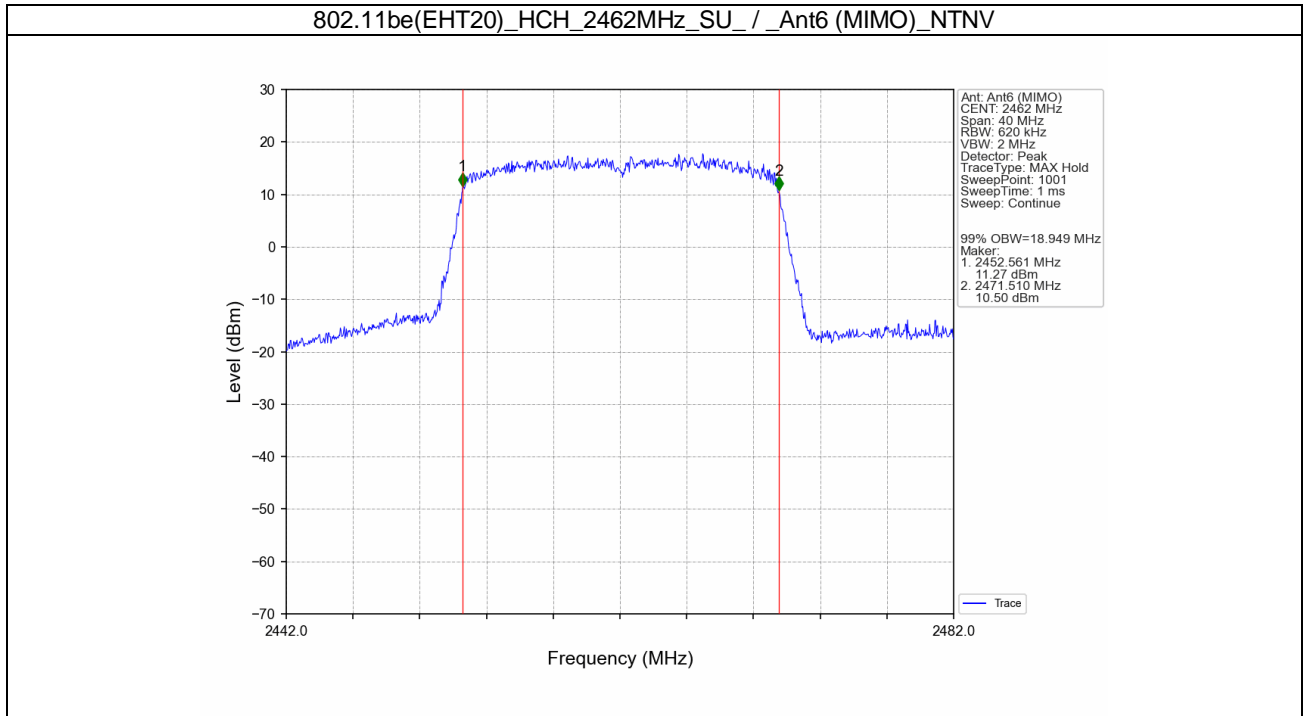


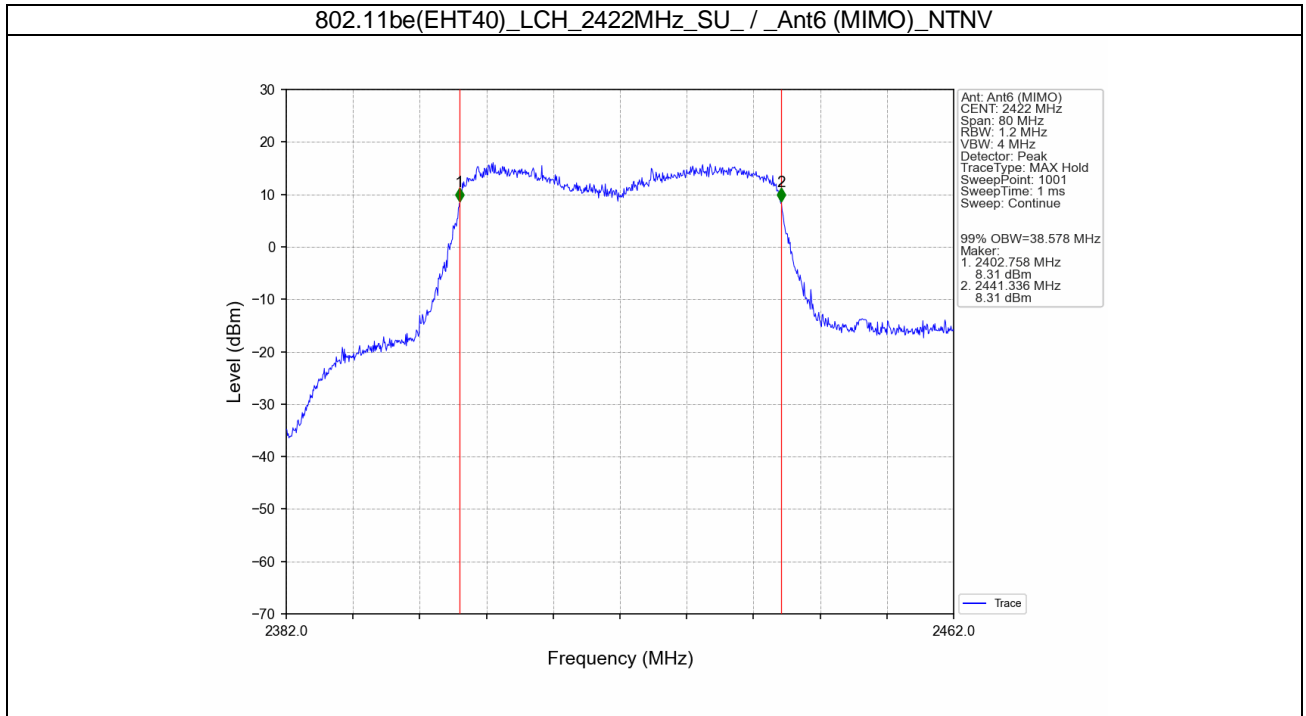


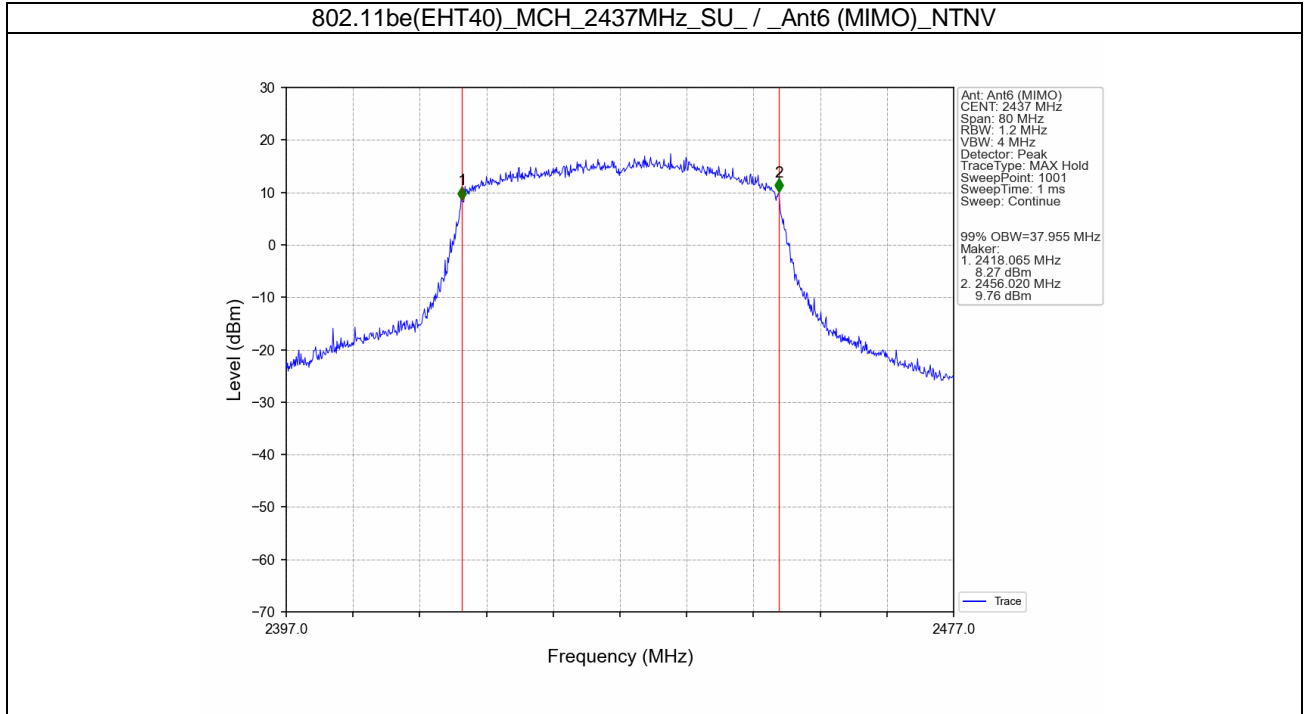


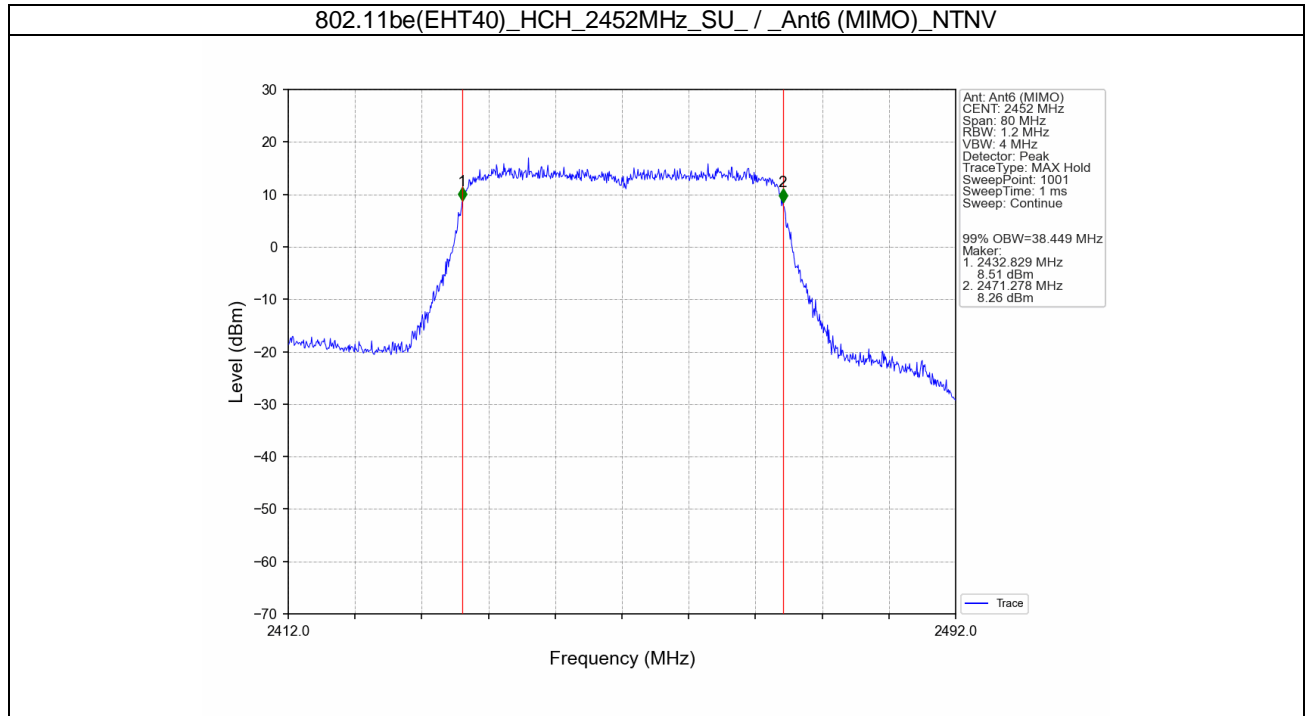
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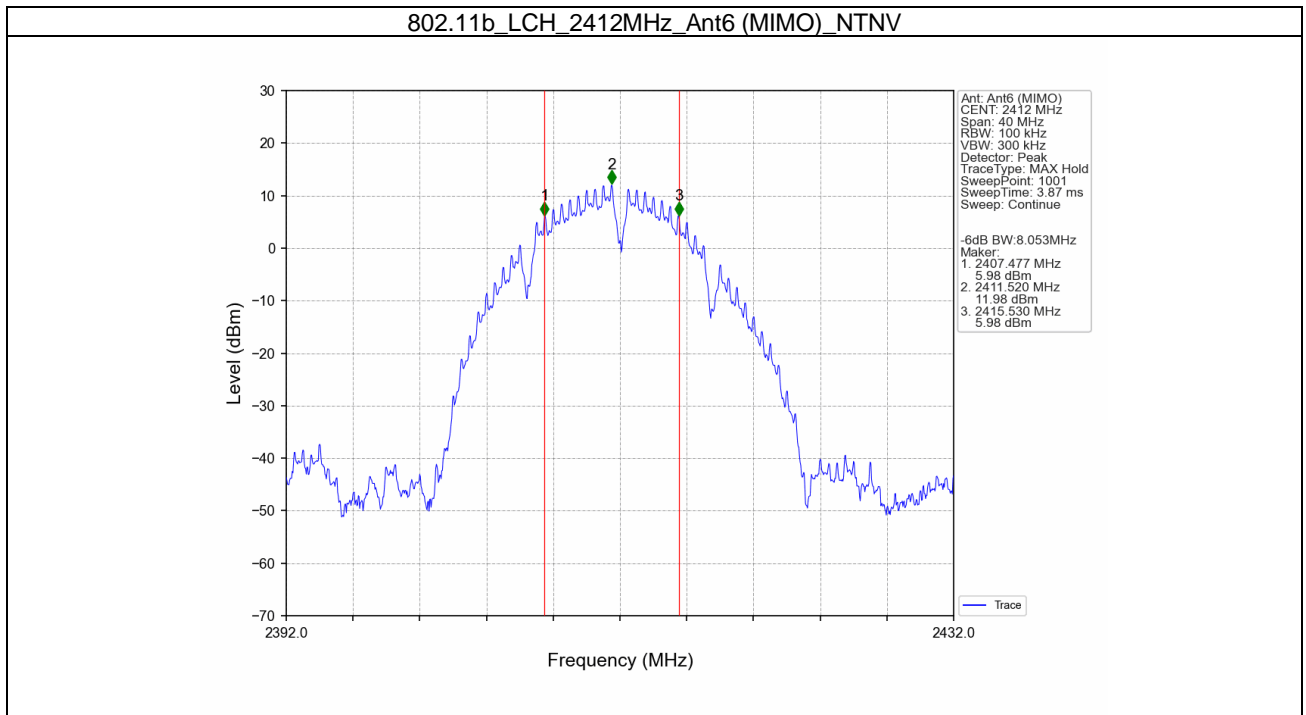




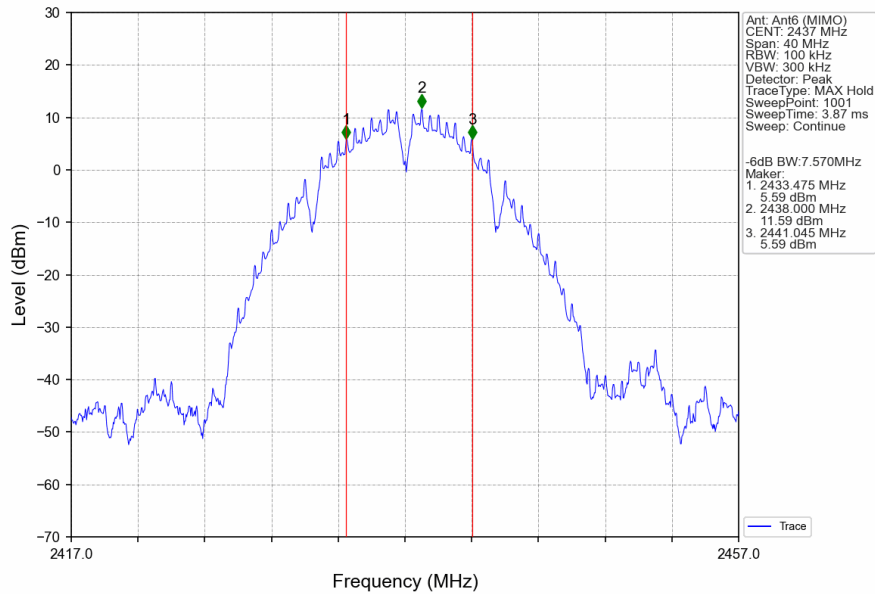




2.2.2 6dB BW



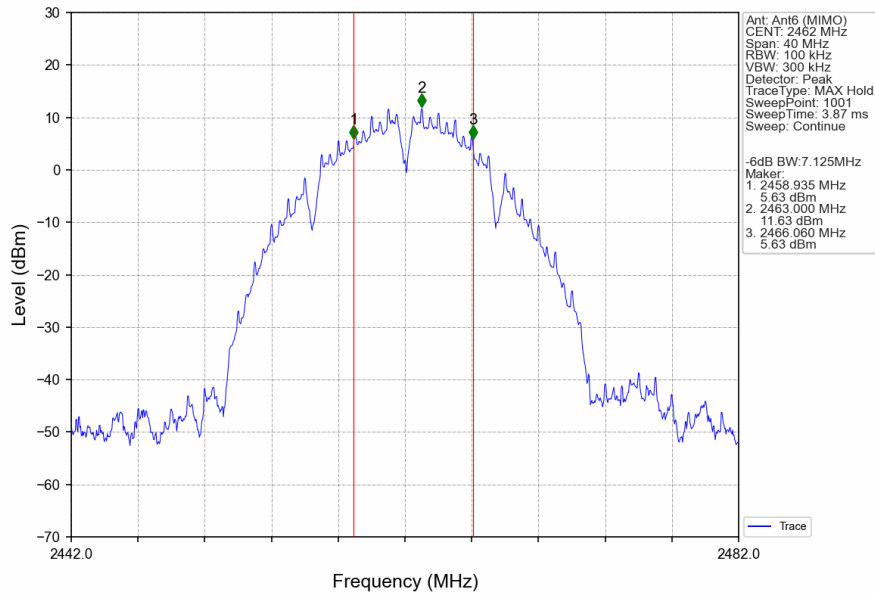
802.11b_MCH_2437MHz_Ant6 (MIMO)_NTNV



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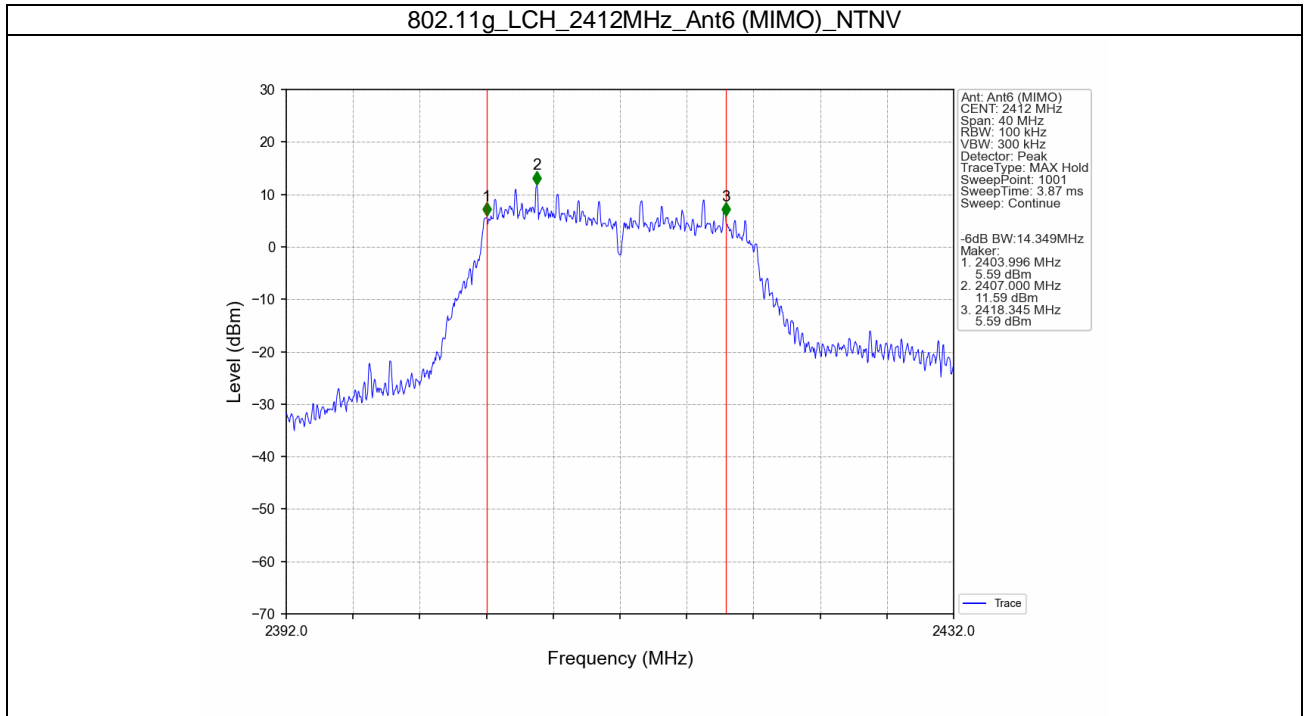
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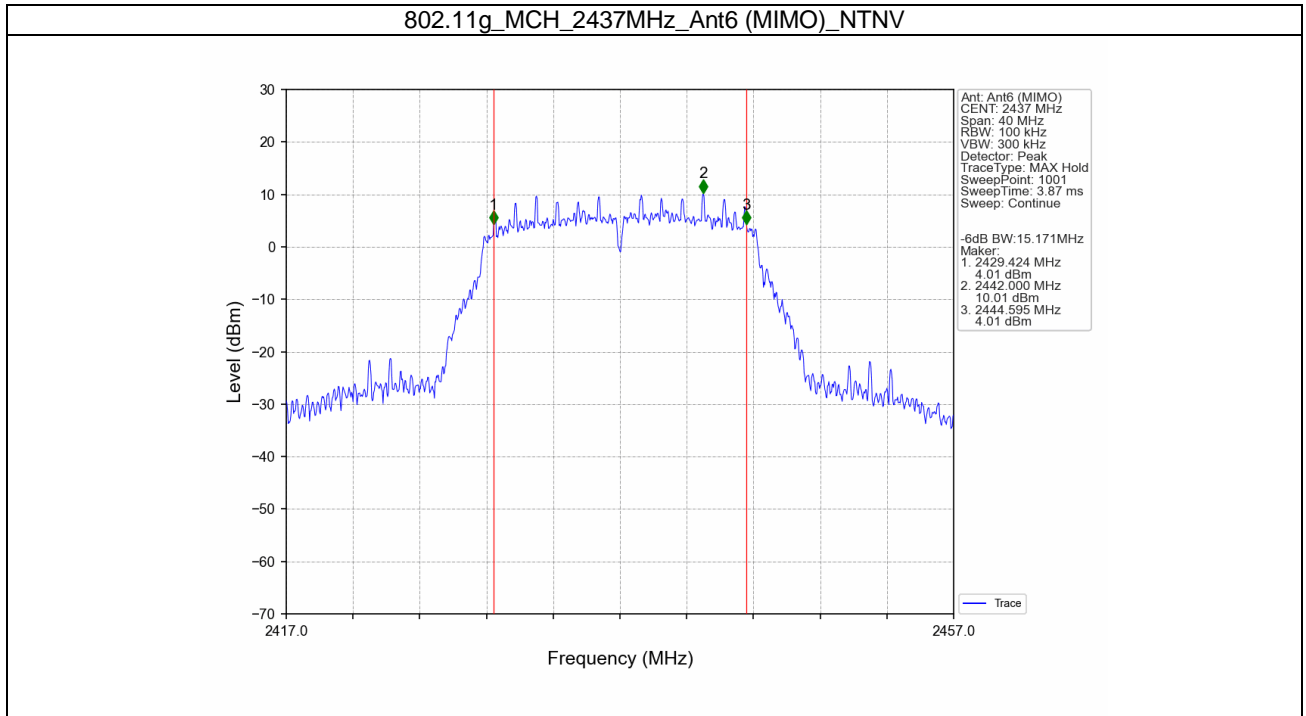
802.11b_HCH_2462MHz_Ant6 (MIMO)_NTNV

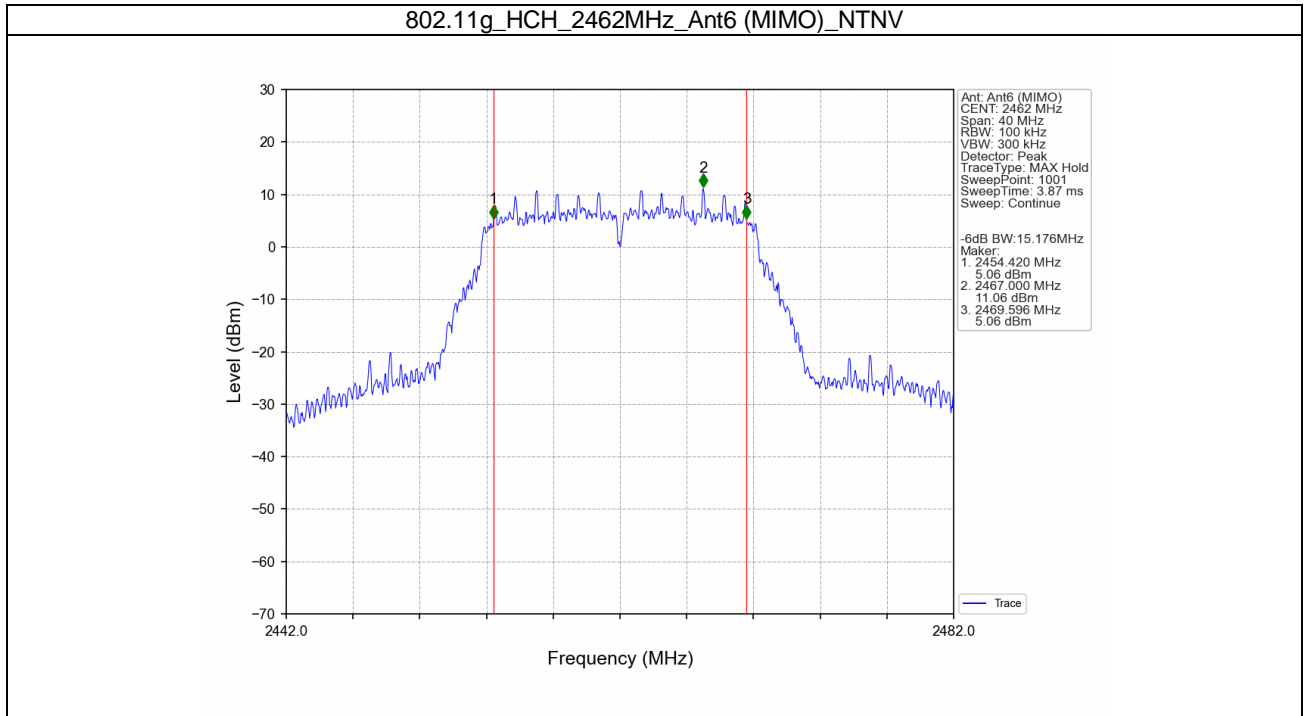


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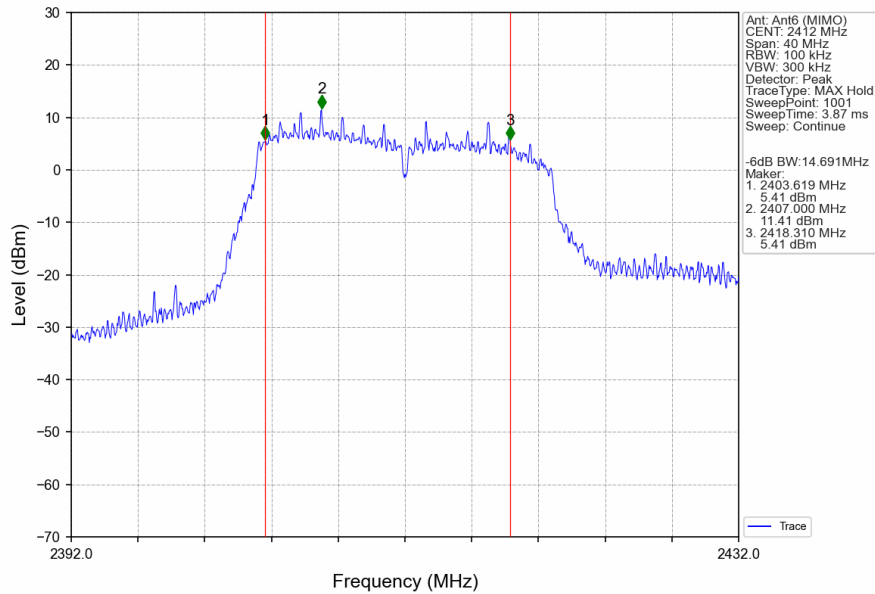
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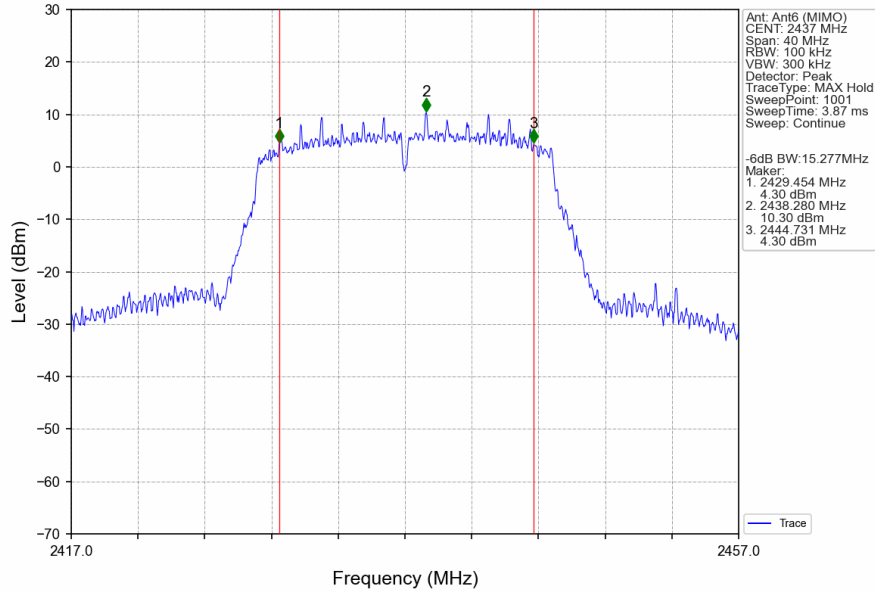
802.11n(HT20)_LCH_2412MHz_Ant6 (MIMO)_NTNV



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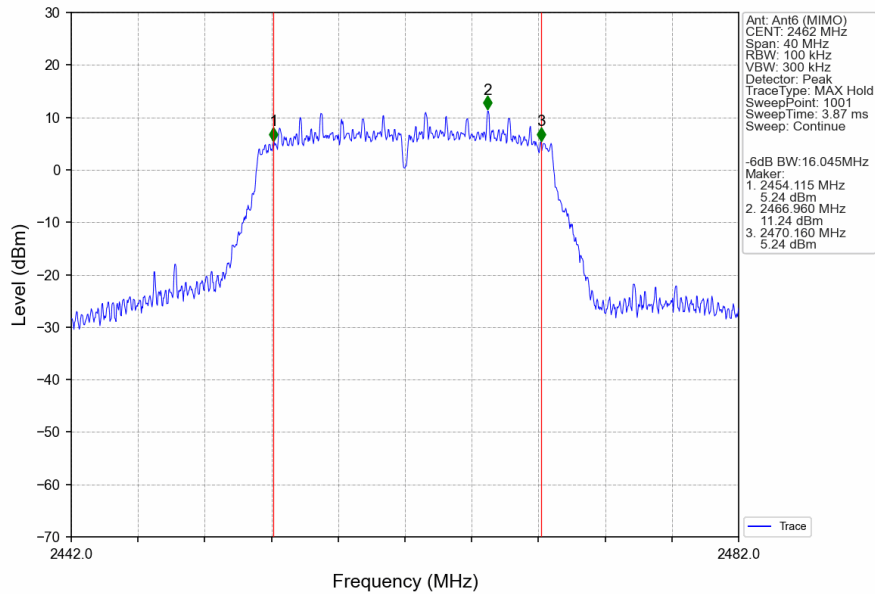
802.11n(HT20)_MCH_2437MHz_Ant6 (MIMO)_NTNV



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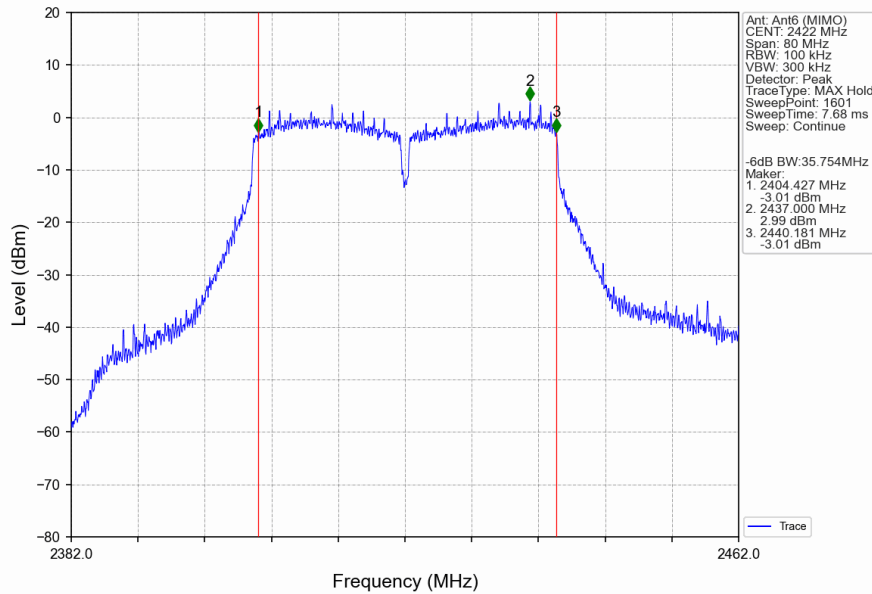
802.11n(HT20)_HCH_2462MHz_Ant6 (MIMO)_NTNV



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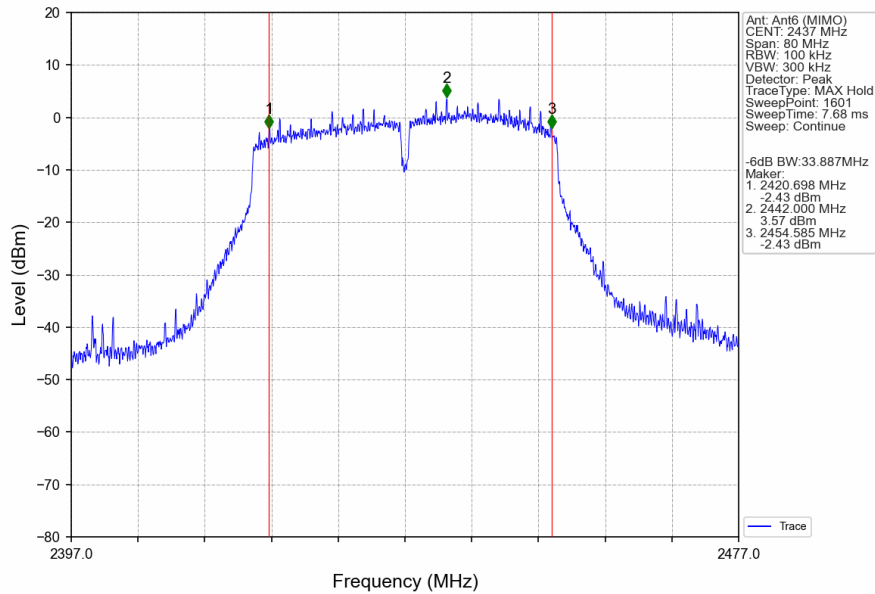
802.11n(HT40)_LCH_2422MHz_Ant6 (MIMO)_NTNV



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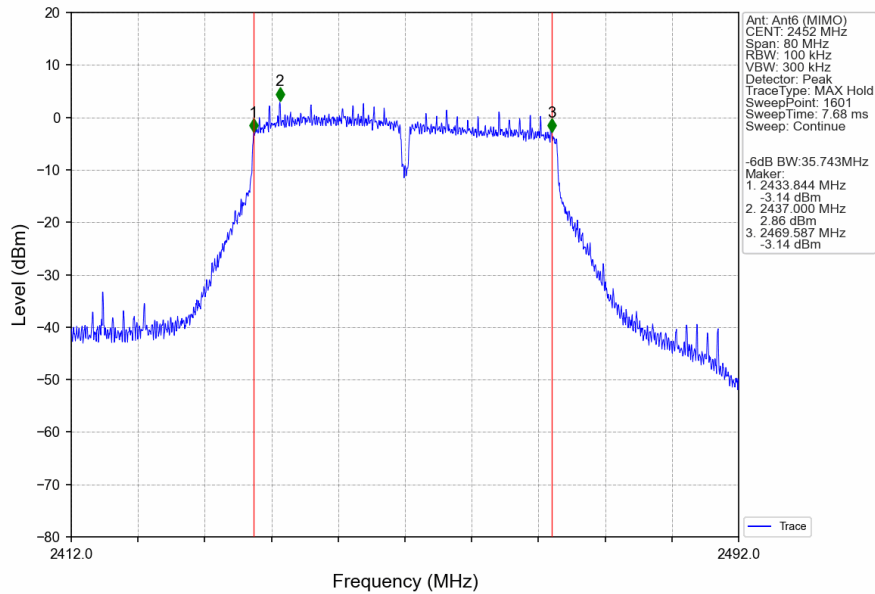
802.11n(HT40)_MCH_2437MHz_Ant6 (MIMO)_NTNV



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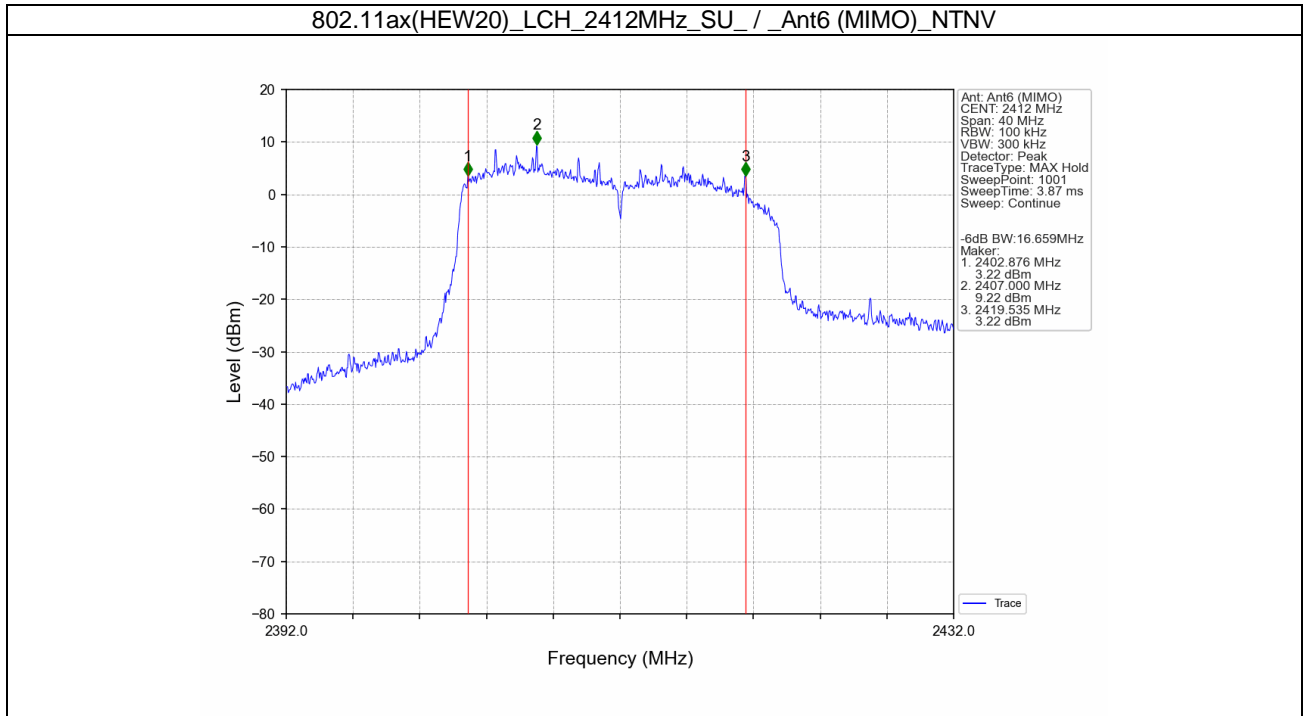
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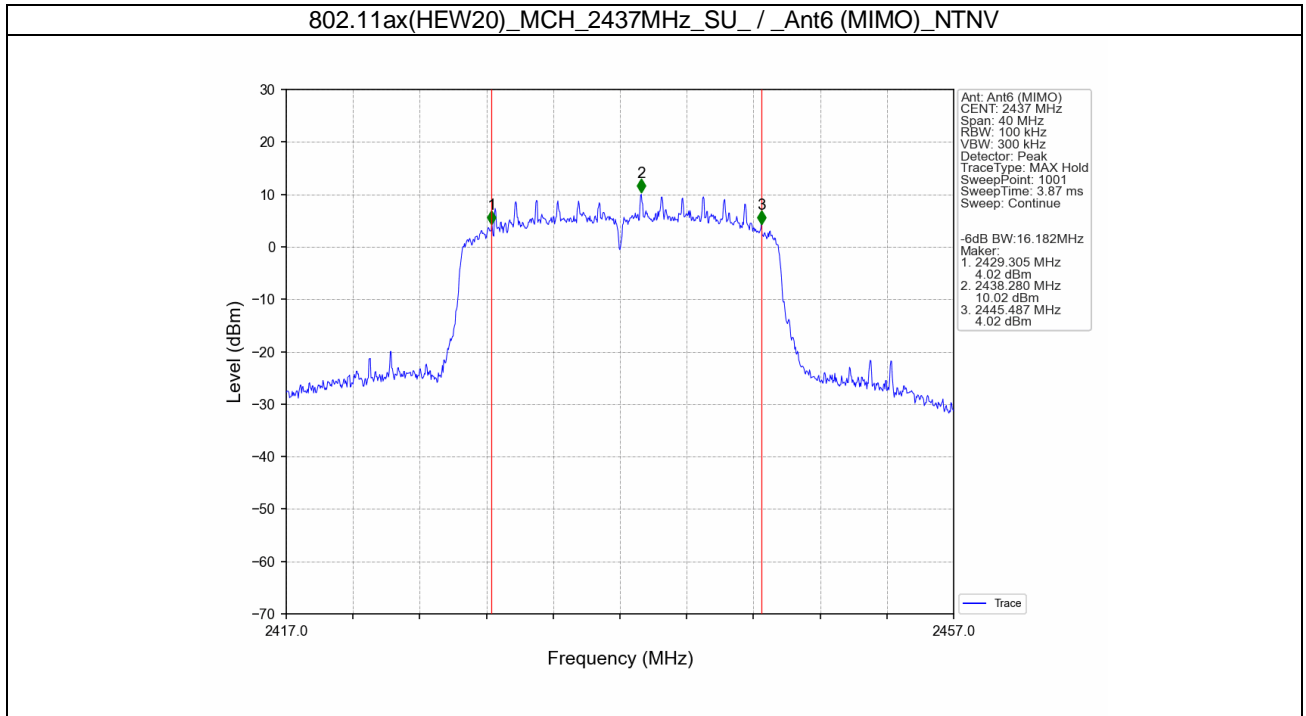
802.11n(HT40)_HCH_2452MHz_Ant6 (MIMO)_NTNV

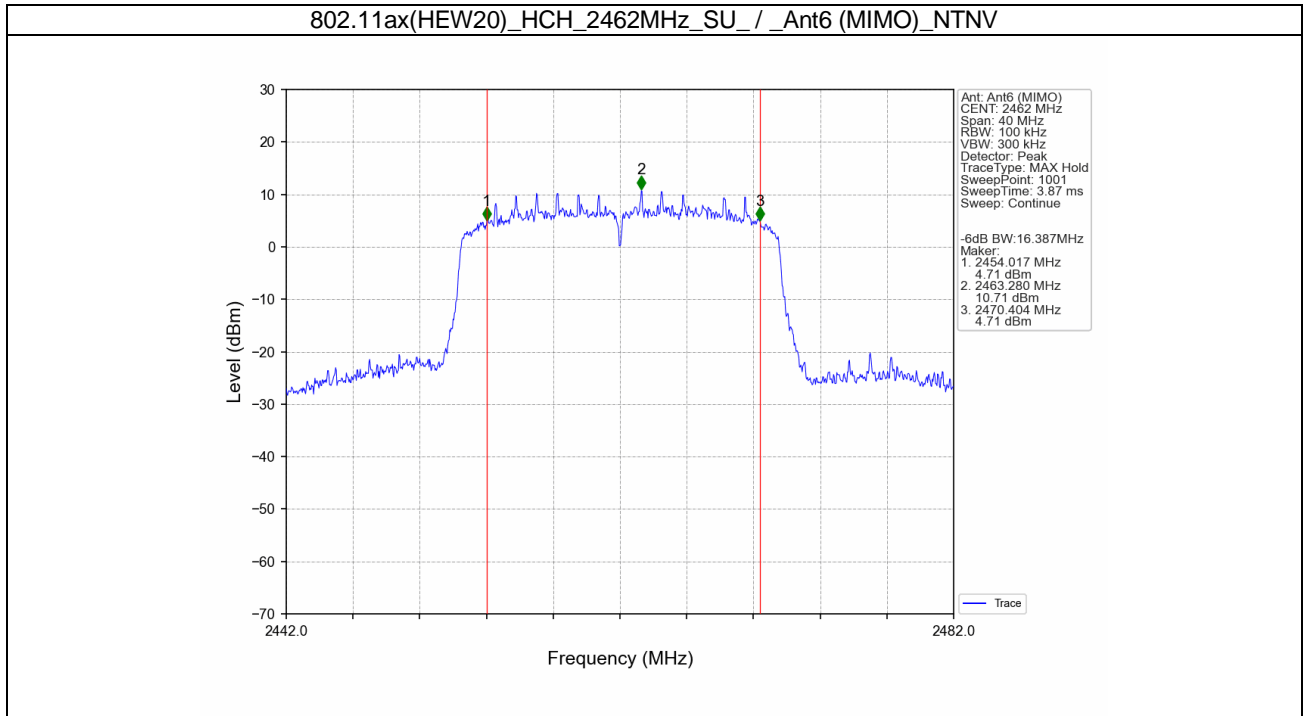


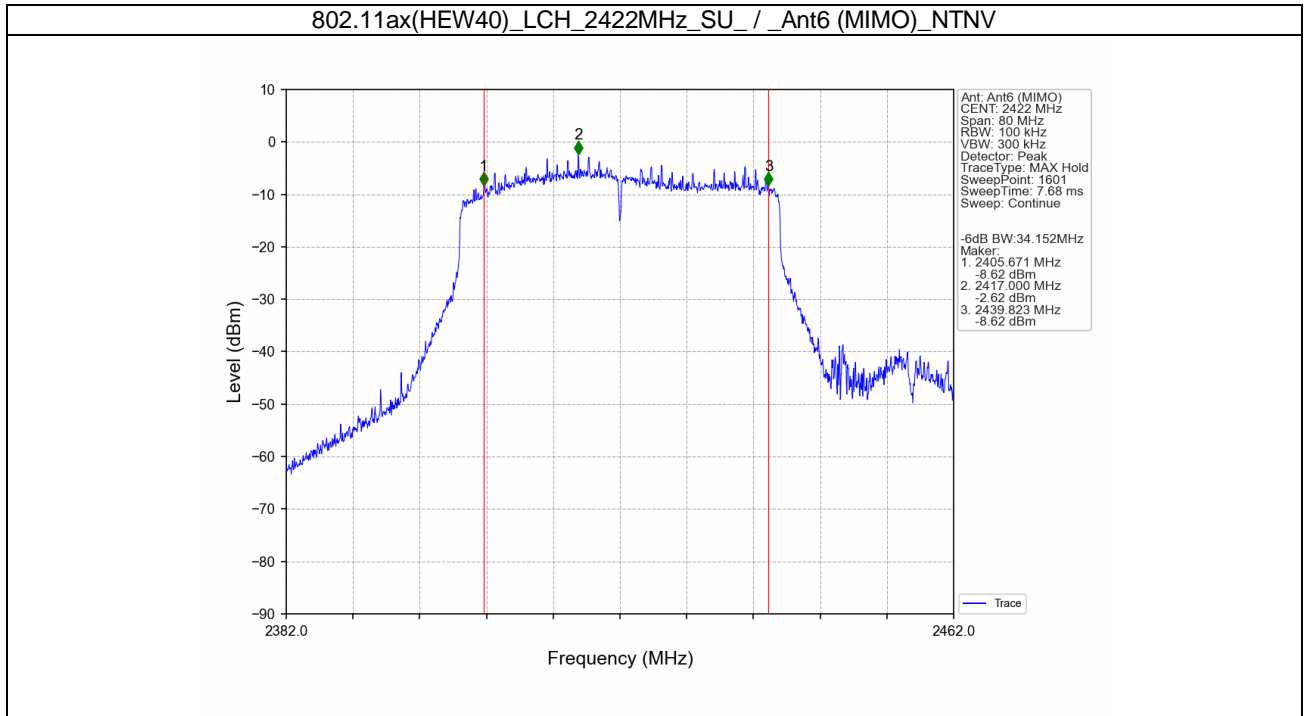
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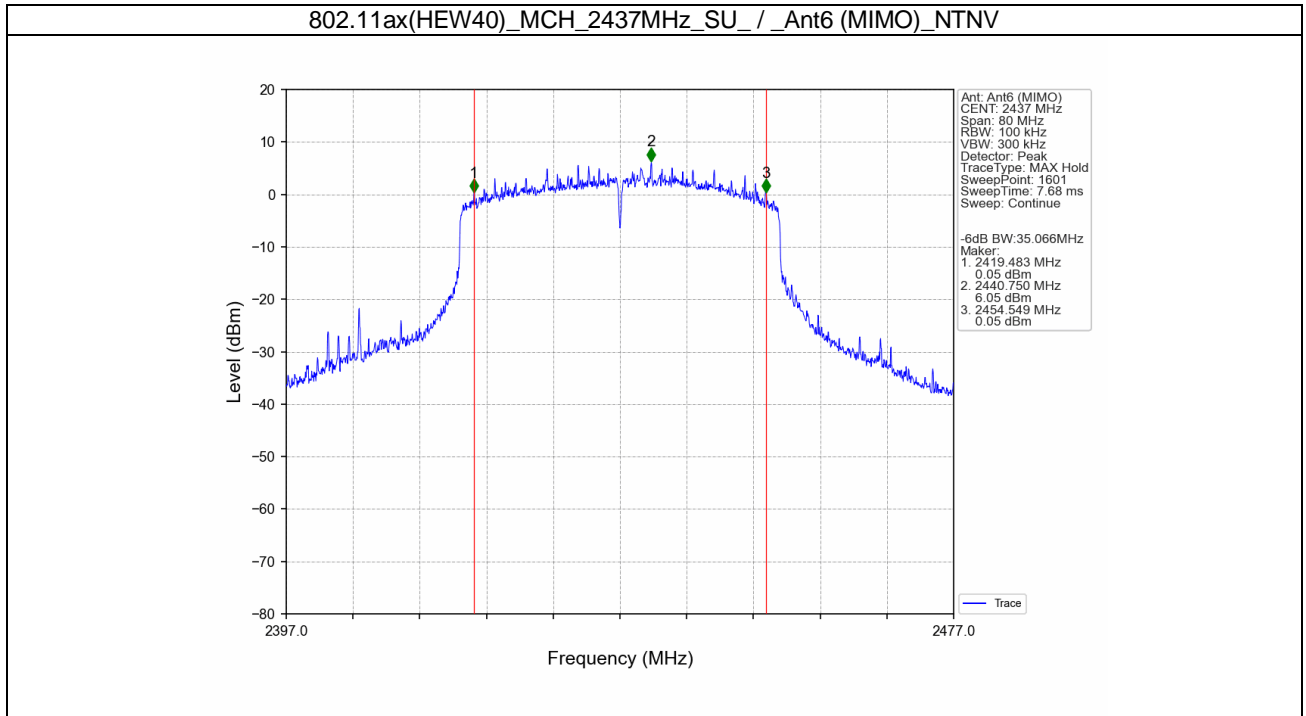
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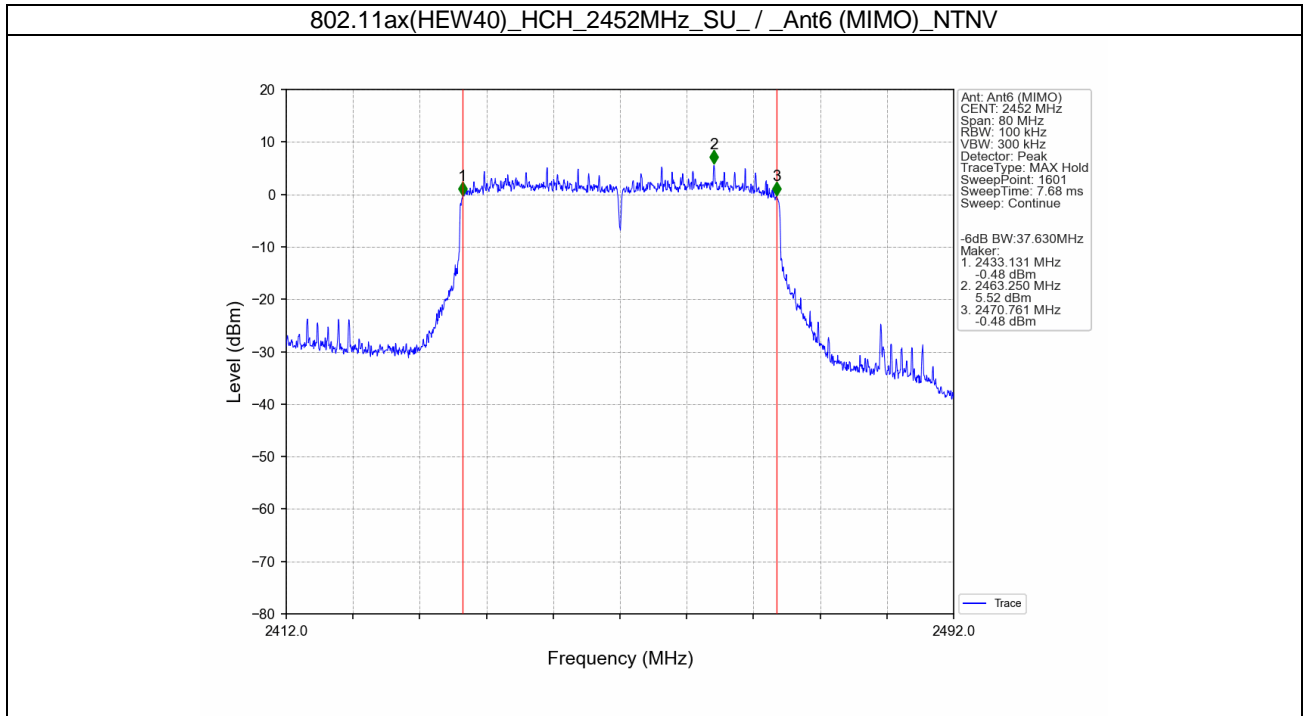


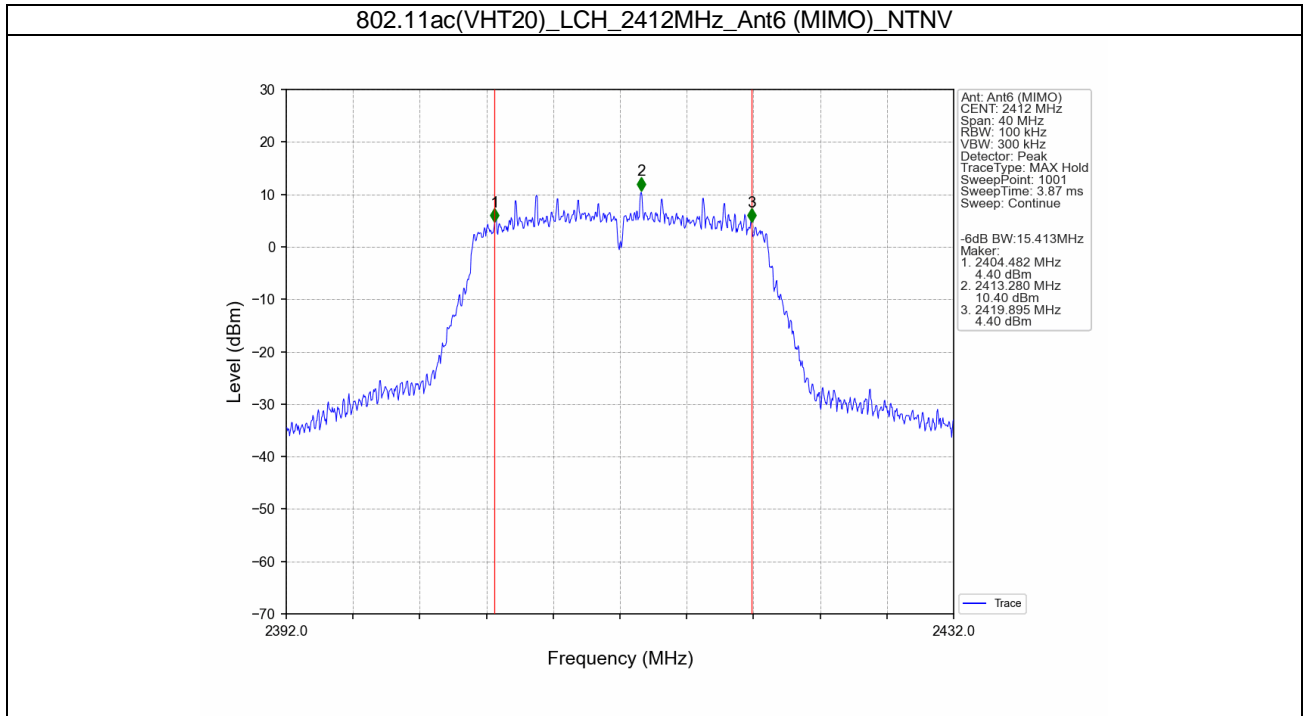


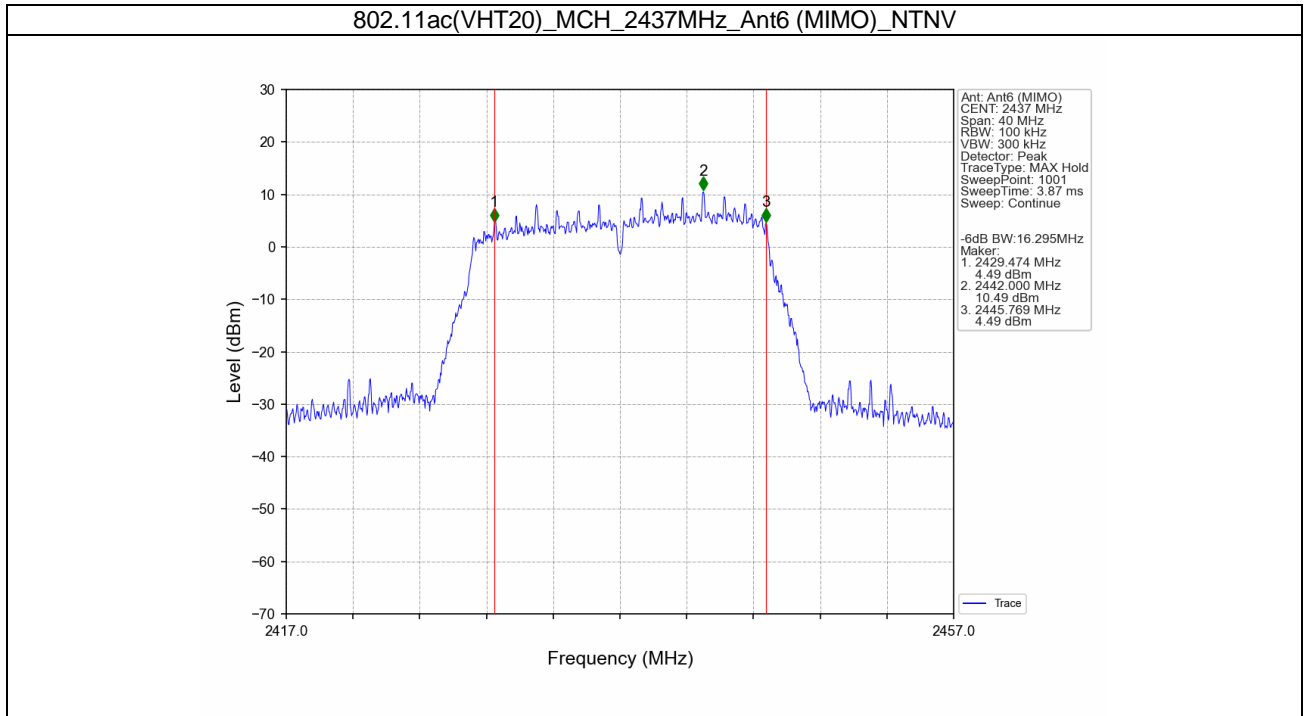


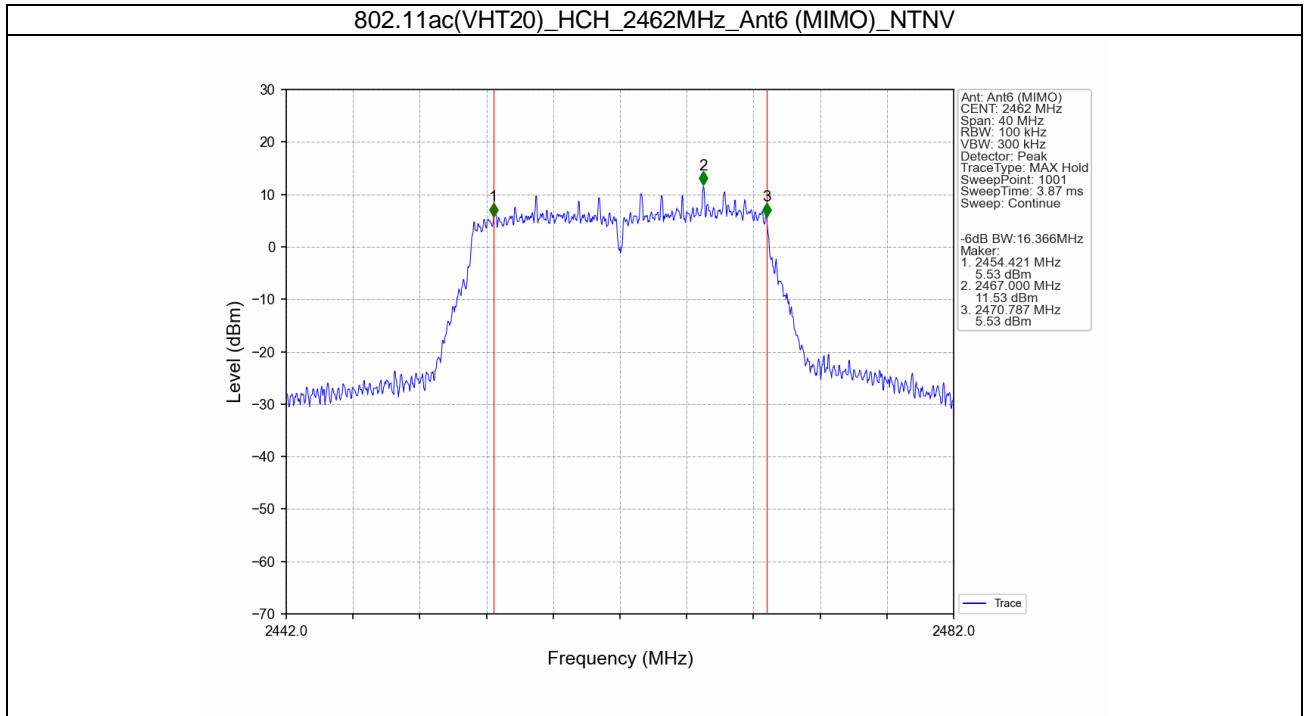




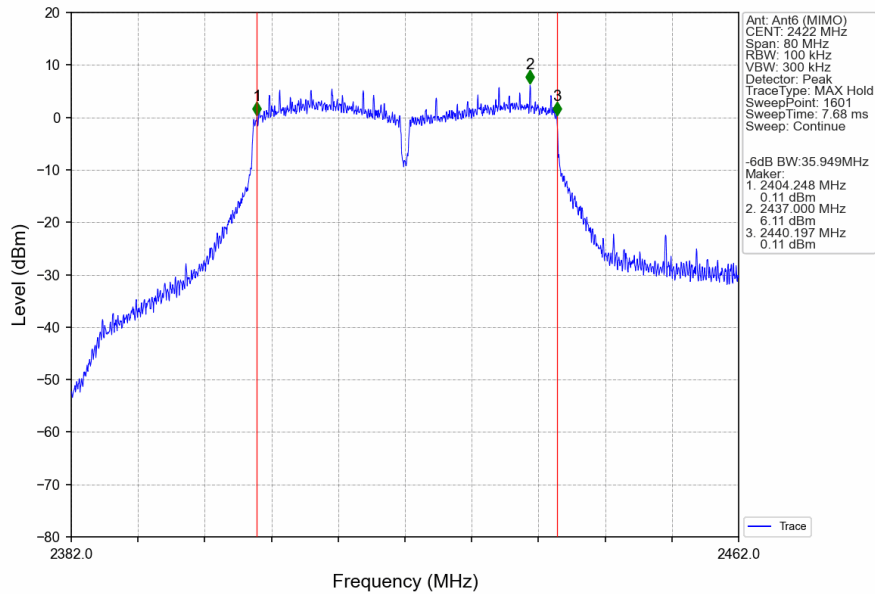






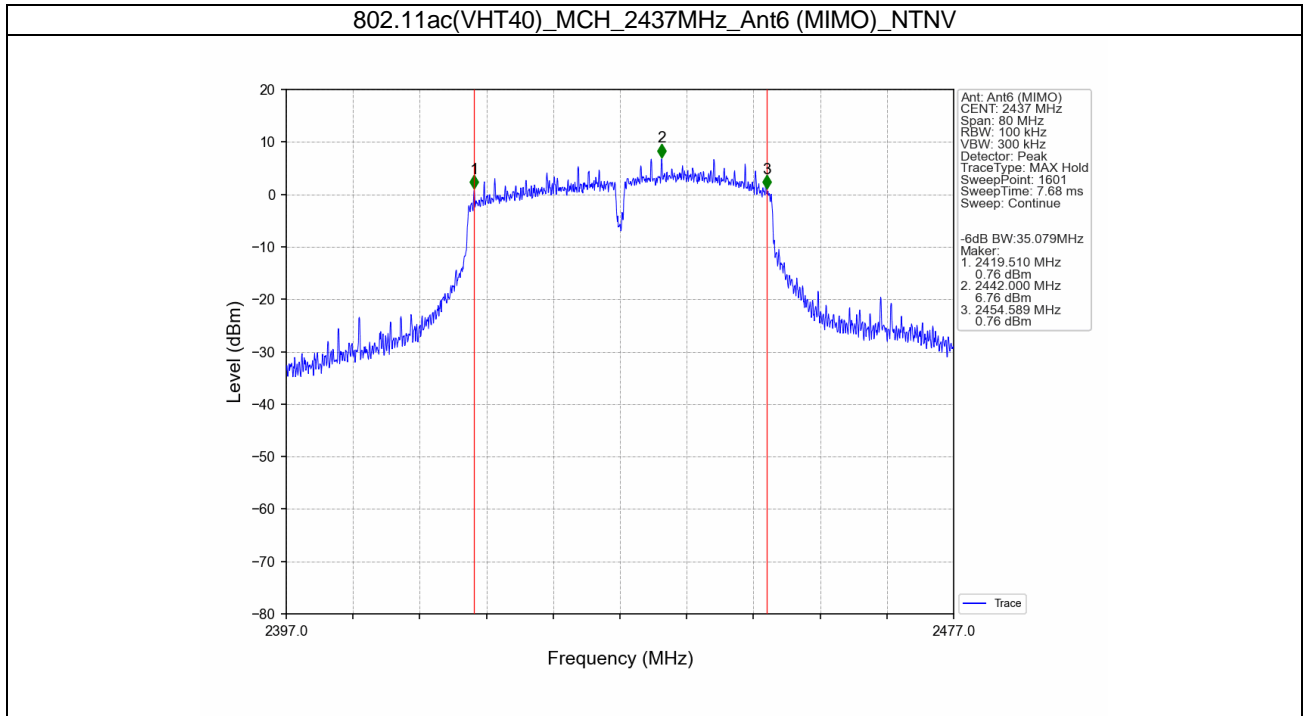


802.11ac(VHT40)_LCH_2422MHz_Ant6 (MIMO)_NTNV



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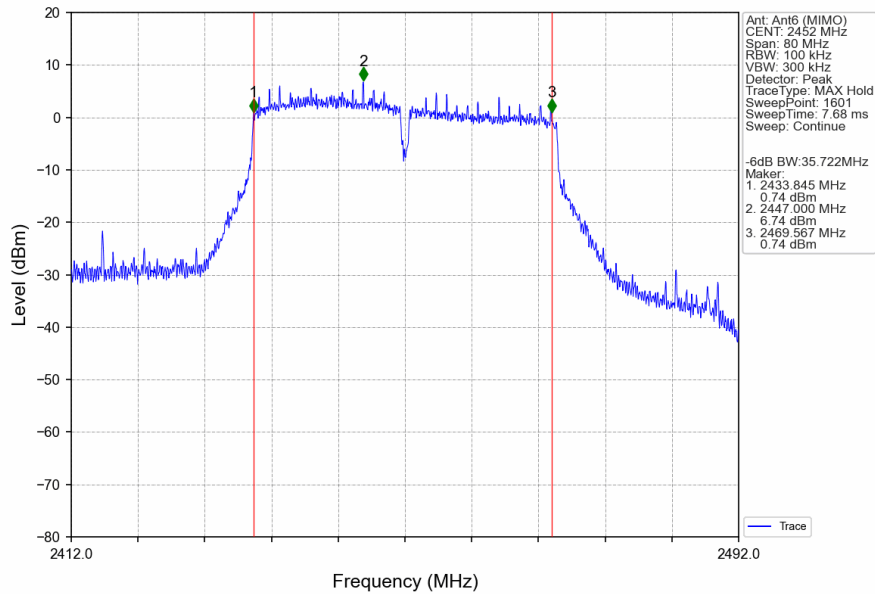
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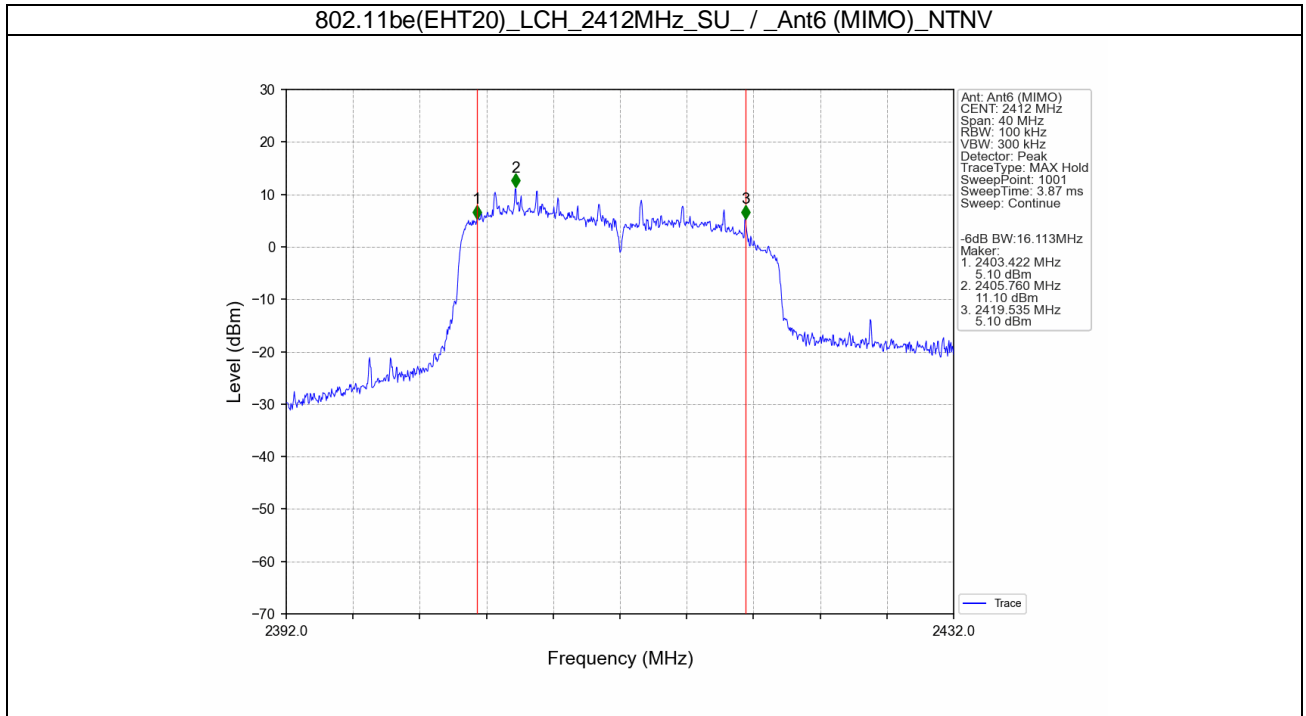
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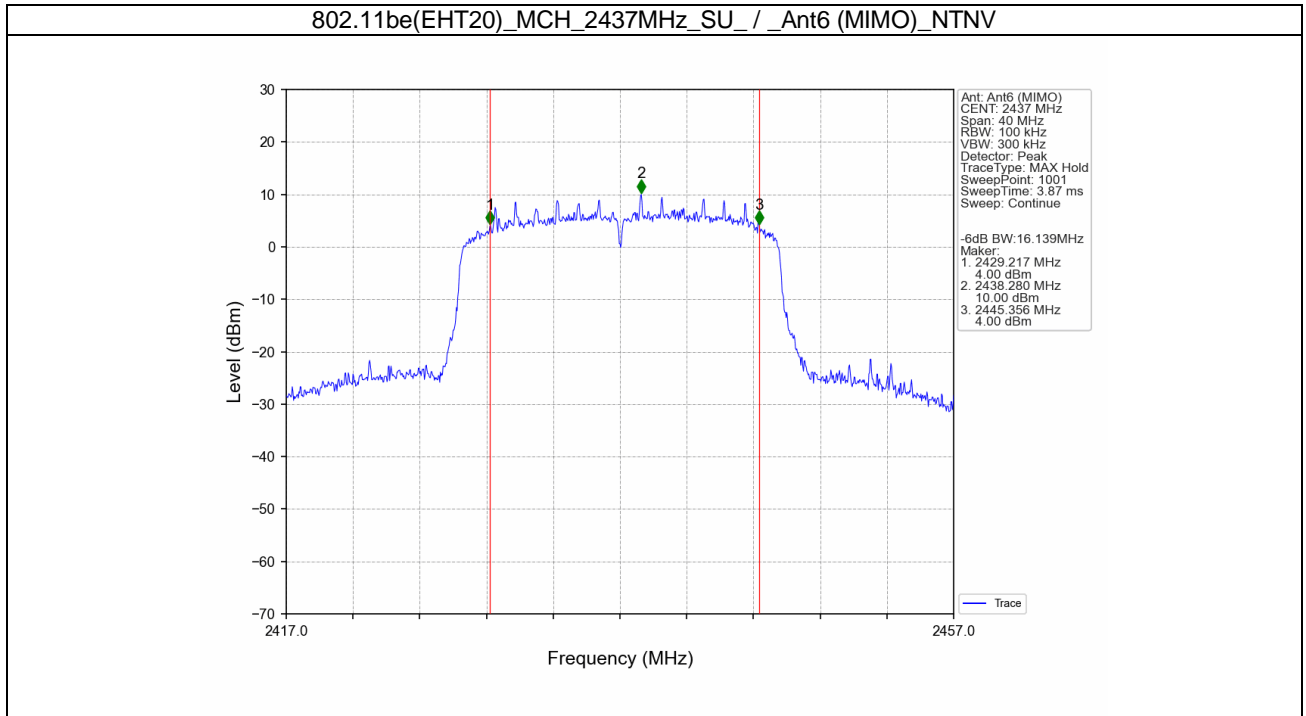
802.11ac(VHT40)_HCH_2452MHz_Ant6 (MIMO)_NTNV

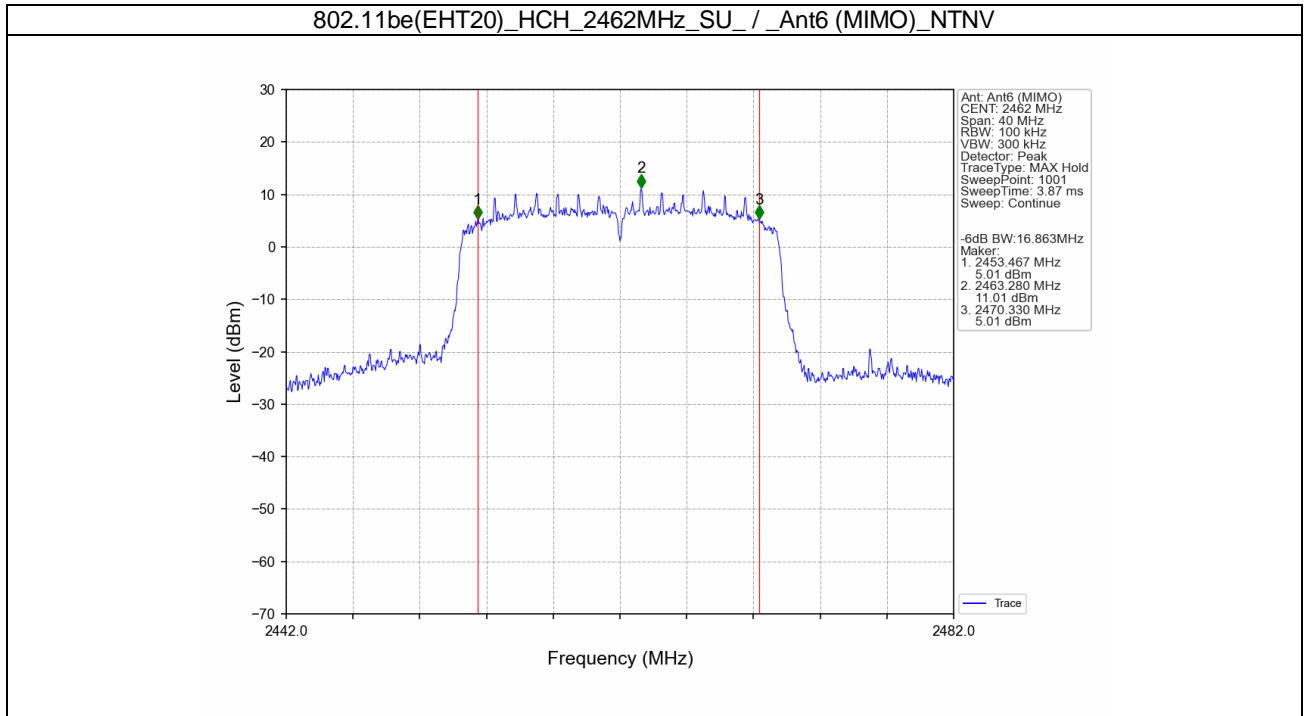


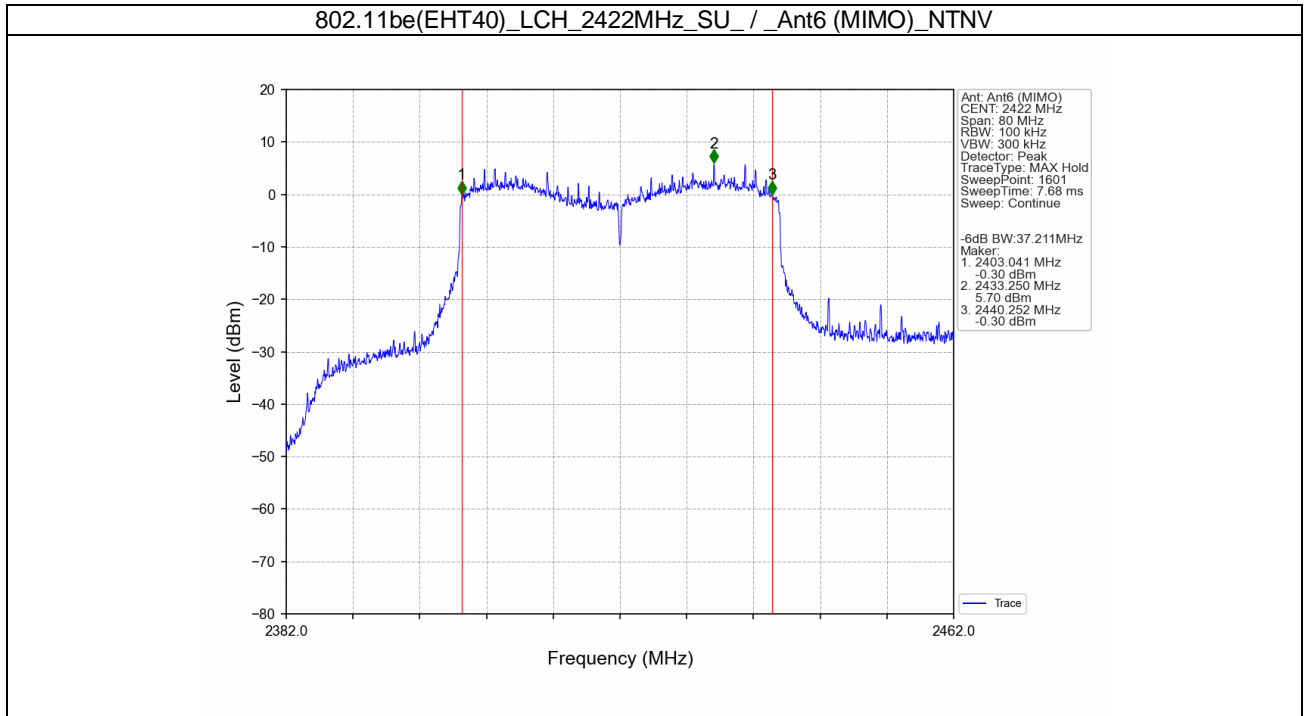
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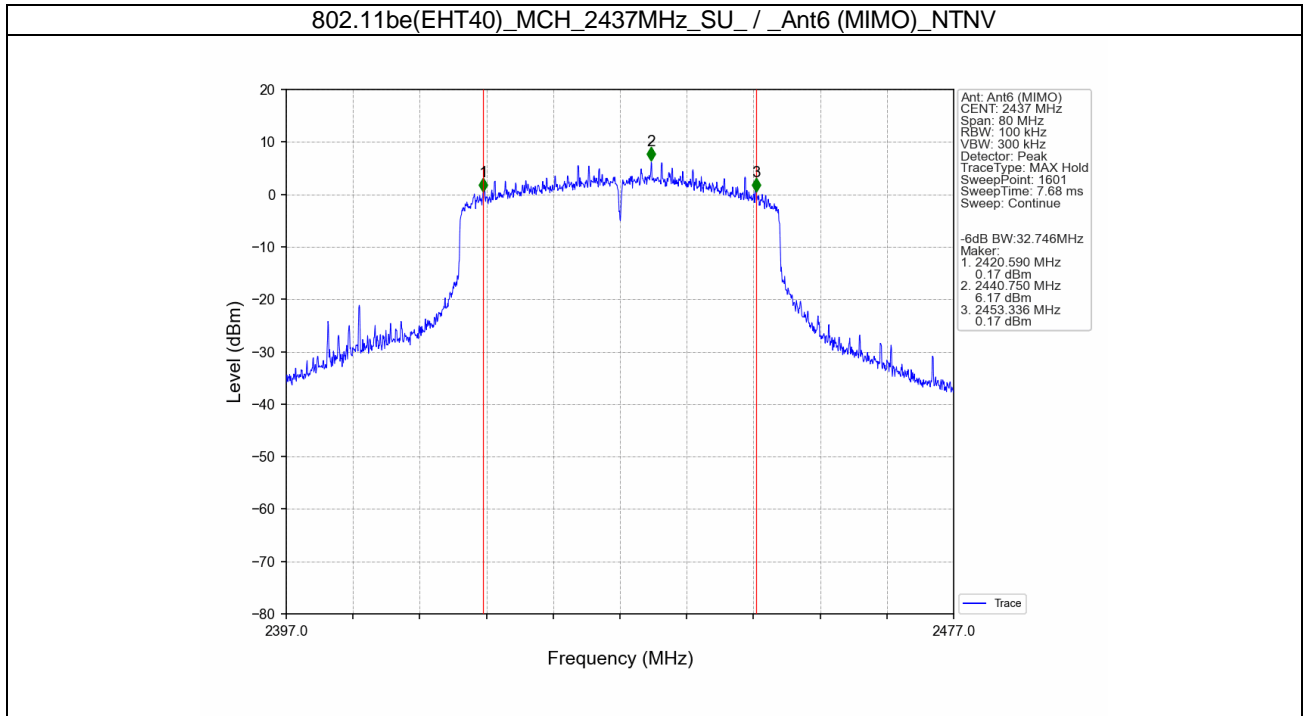
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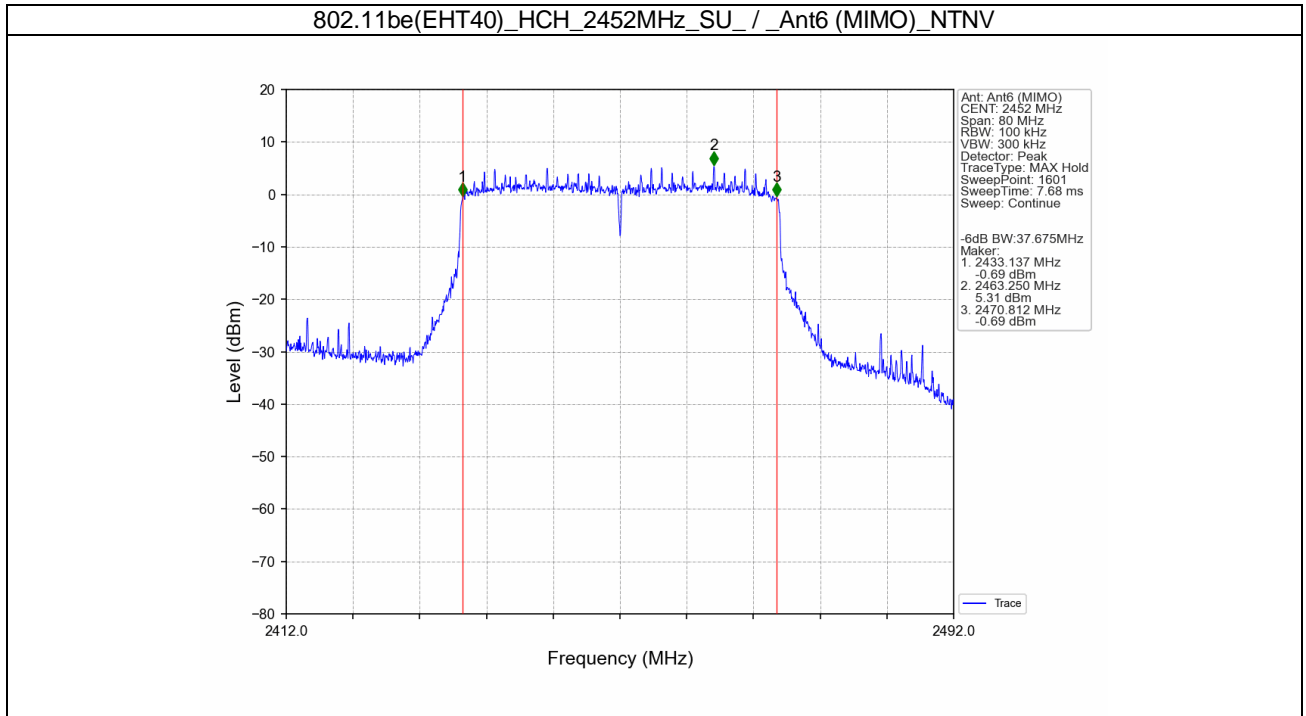












3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)				Verdict
					ANT6	ANT7	MIMO	Limit	
802.11b	MIMO	2412	/	/	20.28	18.15	22.35	<=30	Pass
		2437	/	/	21.26	20.73	24.01	<=30	Pass
		2462	/	/	22.08	21.18	24.66	<=30	Pass
802.11g	MIMO	2412	/	/	18.30	20.47	22.53	<=30	Pass
		2437	/	/	20.69	23.35	25.23	<=30	Pass
		2462	/	/	20.67	23.55	25.35	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	16.64	18.72	20.81	<=30	Pass
		2437	/	/	21.05	23.23	25.29	<=30	Pass
		2462	/	/	21.20	23.67	25.62	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	19.01	20.94	23.09	<=30	Pass
		2437	/	/	21.36	23.88	25.81	<=30	Pass
		2452	/	/	19.96	22.43	24.38	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU26	Left	6.10	4.84	8.53	<=30	Pass
			RU52	Left	10.85	8.01	12.67	<=30	Pass
			RU106	Left	12.55	10.47	14.64	<=30	Pass
			SU	/	16.53	18.50	20.64	<=30	Pass
		2437	RU26	Mid	13.75	16.36	18.26	<=30	Pass
			RU52	Left	17.44	16.68	20.09	<=30	Pass
			RU106	Left	19.95	18.72	22.39	<=30	Pass
			SU	/	20.68	23.12	25.08	<=30	Pass
		2462	RU26	Right	10.64	9.60	13.16	<=30	Pass
			RU52	Left	16.69	15.57	19.18	<=30	Pass
			RU106	Left	19.37	18.37	21.91	<=30	Pass
			SU	/	21.71	23.98	26.00	<=30	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	18.61	21.96	23.61	<=30	Pass
		2437	SU	/	21.04	23.30	25.33	<=30	Pass
		2452	SU	/	21.69	23.51	25.70	<=30	Pass
802.11ac (VHT20)	MIMO	2412	/	/	16.13	18.14	20.26	<=30	Pass
		2437	/	/	21.49	23.50	25.62	<=30	Pass
		2462	/	/	21.46	23.70	25.73	<=30	Pass
802.11ac (VHT40)	MIMO	2422	/	/	18.28	19.78	22.10	<=30	Pass
		2437	/	/	21.83	23.78	25.92	<=30	Pass
		2452	/	/	19.25	21.36	23.44	<=30	Pass
802.11be (EHT20)	MIMO	2412	RU52+26	Left	12.24	10.47	14.45	<=30	Pass
			SU	/	16.14	18.05	20.21	<=30	Pass
		2437	RU52+26	Mid	19.61	18.56	22.13	<=30	Pass
			SU	/	20.92	23.14	25.18	<=30	Pass
		2462	RU52+26	Right	17.96	17.07	20.55	<=30	Pass
			SU	/	21.80	23.85	25.96	<=30	Pass
802.11be (EHT40)	MIMO	2422	SU	/	20.59	22.15	24.45	<=30	Pass
		2437	SU	/	21.11	23.32	25.36	<=30	Pass
		2452	SU	/	21.57	23.77	25.82	<=30	Pass

4. Maximum Power Spectral Density

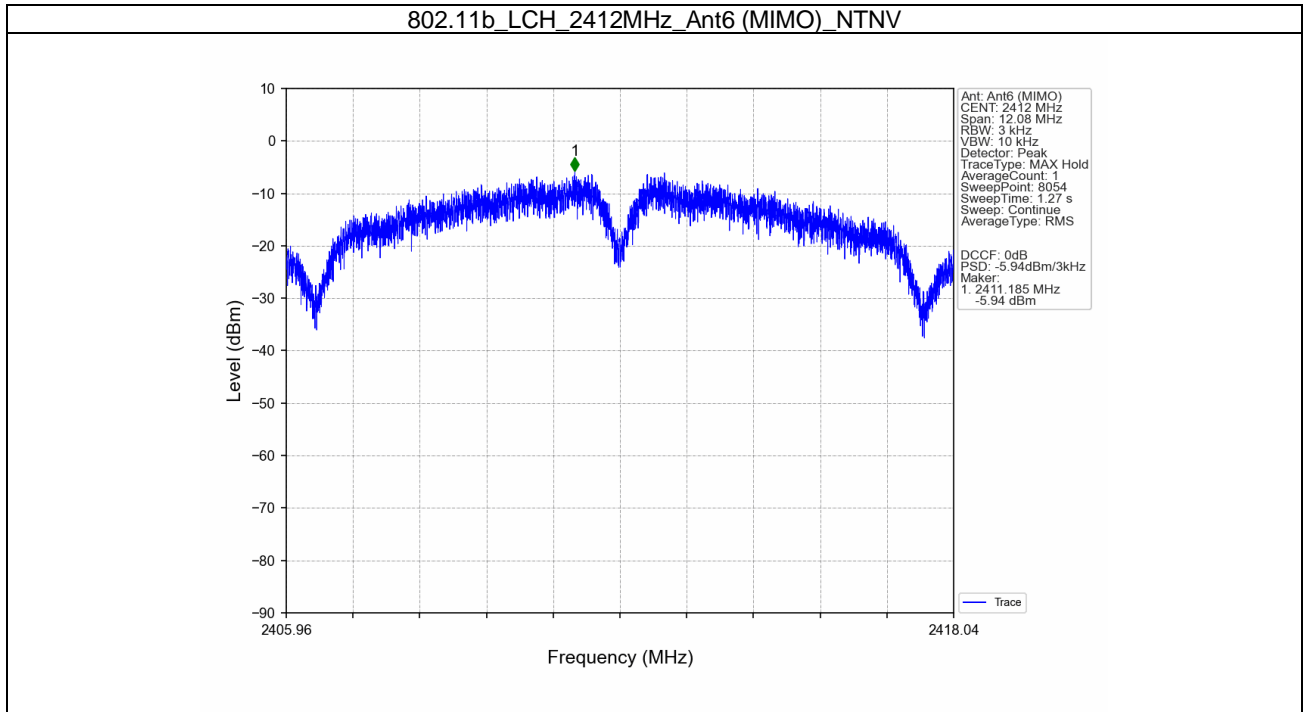
4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT6	ANT7	MIMO	Limit	
802.11b	MIMO	2412	/	/	-5.94	-8.18	-4.44	<=8	Pass
		2437	/	/	-6.32	-6.91	-3.59	<=8	Pass
		2462	/	/	-7.10	-8.02	-4.58	<=8	Pass
802.11g	MIMO	2412	/	/	-15.24	-13.71	-12.39	<=8	Pass
		2437	/	/	-11.64	-8.75	-7.72	<=8	Pass
		2462	/	/	-10.86	-9.48	-8.11	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-15.07	-13.26	-11.61	<=8	Pass
		2437	/	/	-10.51	-8.81	-7.27	<=8	Pass
		2462	/	/	-10.15	-8.22	-6.55	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-16.68	-14.73	-13.95	<=8	Pass
		2437	/	/	-14.29	-10.45	-9.78	<=8	Pass
		2452	/	/	-15.28	-13.02	-12.23	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU26	Left	-17.98	-19.40	-16.45	<=8	Pass
			RU52	Left	-16.89	-20.51	-16.38	<=8	Pass
			RU106	Left	-17.87	-20.41	-17.15	<=8	Pass
			SU	/	-18.27	-16.19	-15.33	<=8	Pass
		2437	RU26	Mid	-13.52	-10.75	-8.91	<=8	Pass
			RU52	Left	-11.54	-10.95	-9.27	<=8	Pass
			RU106	Left	-11.06	-12.33	-9.93	<=8	Pass
			SU	/	-11.15	-9.35	-8.54	<=8	Pass
		2462	RU26	Right	-13.37	-14.80	-11.12	<=8	Pass
			RU52	Left	-11.99	-13.03	-10.24	<=8	Pass
			RU106	Left	-12.25	-13.44	-9.79	<=8	Pass
			SU	/	-13.59	-10.33	-9.53	<=8	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	-18.39	-15.65	-14.83	<=8	Pass
		2437	SU	/	-14.94	-12.10	-11.67	<=8	Pass
		2452	SU	/	-15.39	-13.53	-12.08	<=8	Pass
802.11ac (VHT20)	MIMO	2412	/	/	-16.73	-15.07	-13.92	<=8	Pass
		2437	/	/	-11.76	-9.90	-8.77	<=8	Pass
		2462	/	/	-12.14	-9.38	-8.31	<=8	Pass
802.11ac (VHT40)	MIMO	2422	/	/	-16.14	-16.02	-14.77	<=8	Pass
		2437	/	/	-14.49	-11.42	-10.10	<=8	Pass
		2452	/	/	-17.00	-13.77	-13.00	<=8	Pass
802.11be (EHT20)	MIMO	2412	RU52+26	Left	-16.42	-21.28	-16.15	<=8	Pass
			SU	/	-16.86	-16.23	-15.06	<=8	Pass
		2437	RU52+26	Left	-11.28	-13.52	-9.59	<=8	Pass
			SU	/	-10.97	-9.10	-7.72	<=8	Pass
		2462	RU52+26	Left	-13.85	-14.47	-12.06	<=8	Pass
			SU	/	-11.65	-11.30	-9.42	<=8	Pass
802.11be (EHT40)	MIMO	2422	SU	/	-15.69	-15.07	-14.17	<=8	Pass
		2437	SU	/	-14.02	-12.62	-11.64	<=8	Pass
		2452	SU	/	-14.34	-14.21	-12.80	<=8	Pass

4.2 Test Graph

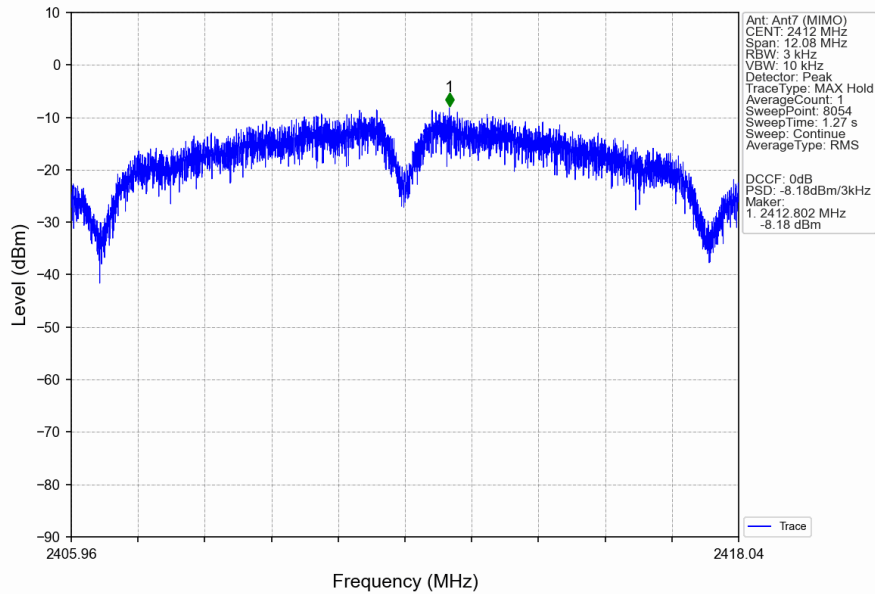
4.2.1 PSD



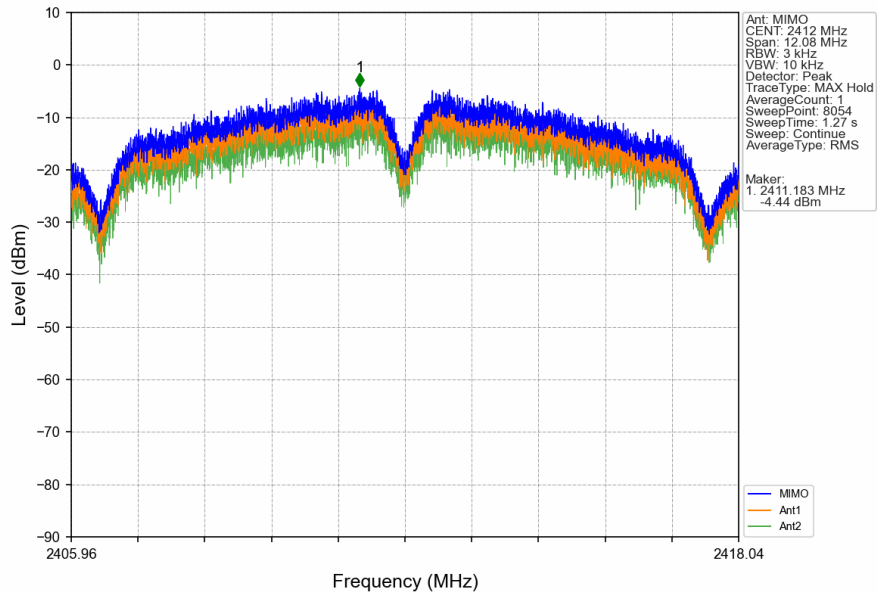
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802.11b_LCH_2412MHz_Ant7 (MIMO)_NTNV



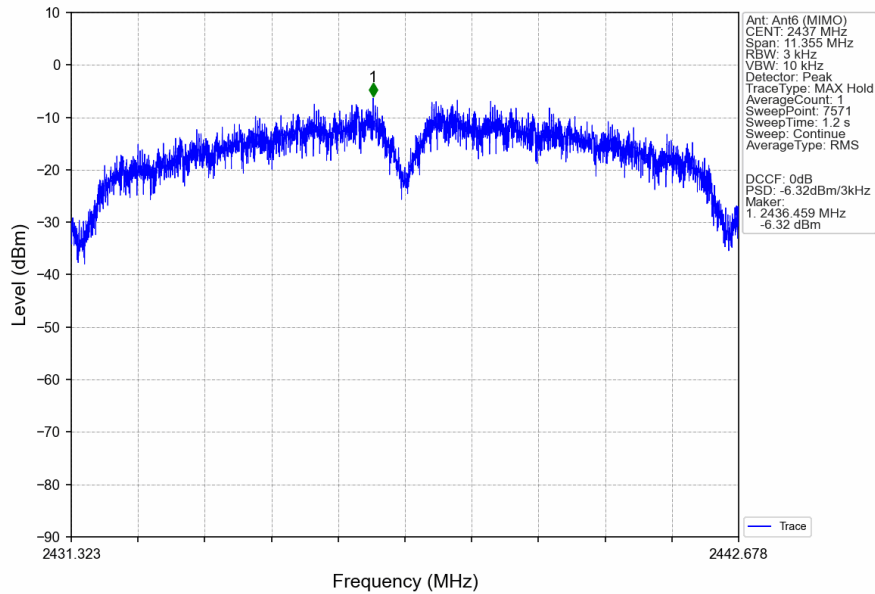
802.11b_LCH_2412MHz_MIMO_NTNV



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802.11b_MCH_2437MHz_Ant6 (MIMO)_NTNV



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