

Report No.: GZCR241000117102 EMC-TRF-01 Rev 1.1

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10 Appendix

- 1. Duty Cycle
- 1.1 Test Result

1.1.1 Ant1

Ant1										
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)	
	SISO	2412	/	/	12.227	23.487	52.06	2.84	2.90	
802.11b		2437	/	/	12.226	22.250	54.95	2.60	0.02	
		2462	/	/	12.224	22.240	54.96	2.60	0.01	
	SISO	2412	/	/	2.034	12.467	16.32	7.87	0.55	
802.11g		2437	/	/	2.034	12.064	16.86	7.73	0.03	
		2462	/	/	2.033	12.056	16.86	7.73	0.03	
000.44	МІМО	2412	/	/	1.893	11.923	15.88	7.99	0.04	
802.11n (HT20)		2437	/	/	1.894	12.470	15.19	8.18	0.71	
		2462	/	/	1.893	11.923	15.88	7.99	0.04	
000 11	МІМО	2422	/	/	0.933	11.117	8.39	10.76	0.15	
802.11n (HT40)		2437	/	/	0.933	10.960	8.51	10.70	0.03	
(11140)		2452	/	/	0.933	10.956	8.52	10.70	0.03	
000 11	МІМО	2412	RU242	Left	1.460	15.493	9.42	10.26	3.32	
802.11ax (HEW20)		2437	RU242	Left	1.460	11.490	12.71	8.96	0.01	
(1124420)		2462	RU242	Left	1.460	11.490	12.71	8.96	0.03	
000 11	МІМО	2422	RU484	Left	0.764	14.104	5.42	12.66	1.67	
802.11ax (HEW40)		2437	RU484	Left	0.760	10.787	7.05	11.52	0.03	
(1160040)		2452	RU484	Left	0.760	10.787	7.05	11.52	0.03	



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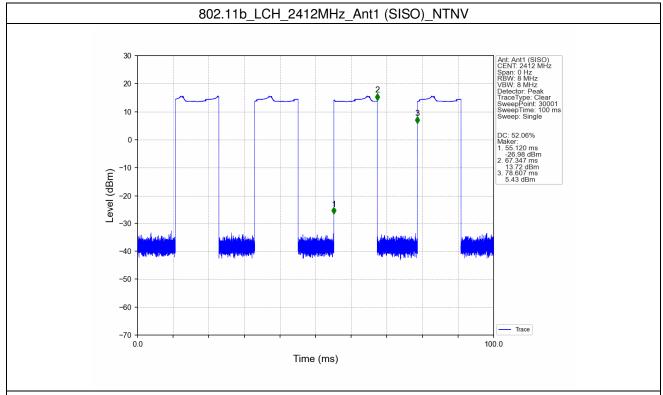
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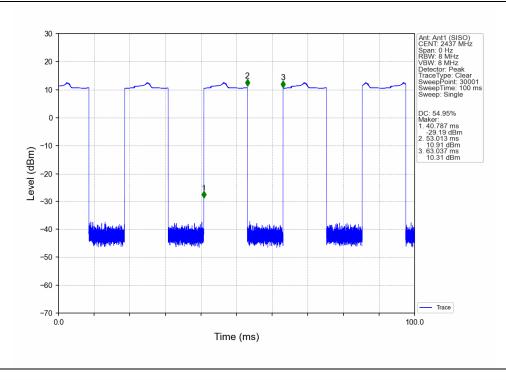
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1.2 Test Graph

1.2.1 Ant1



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV





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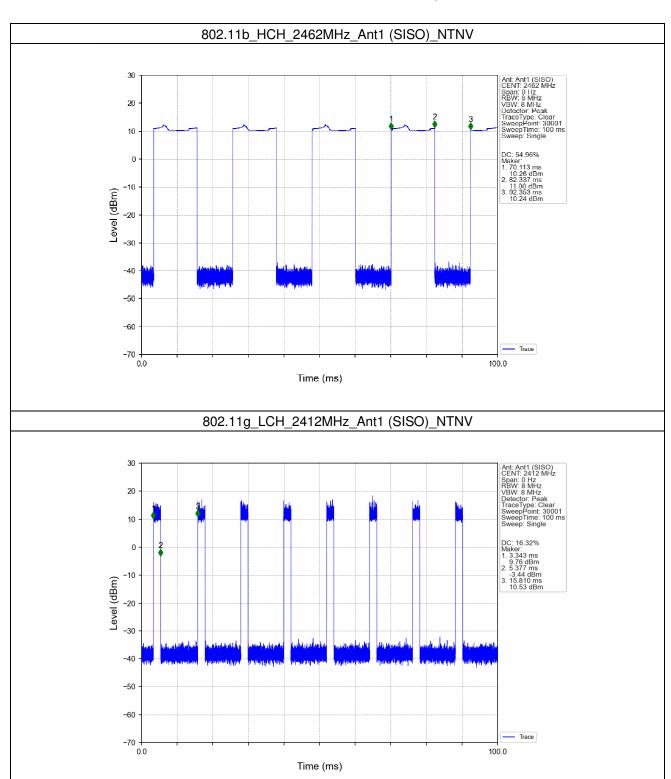
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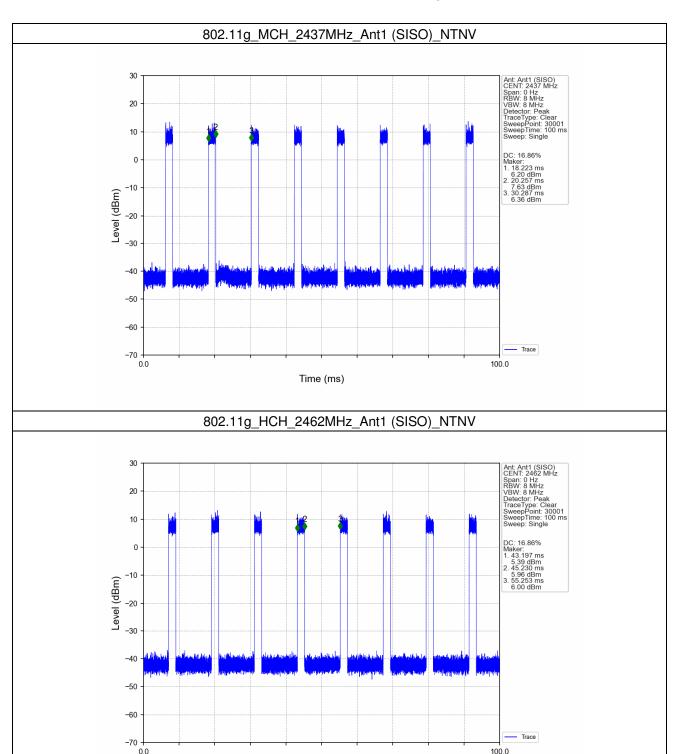
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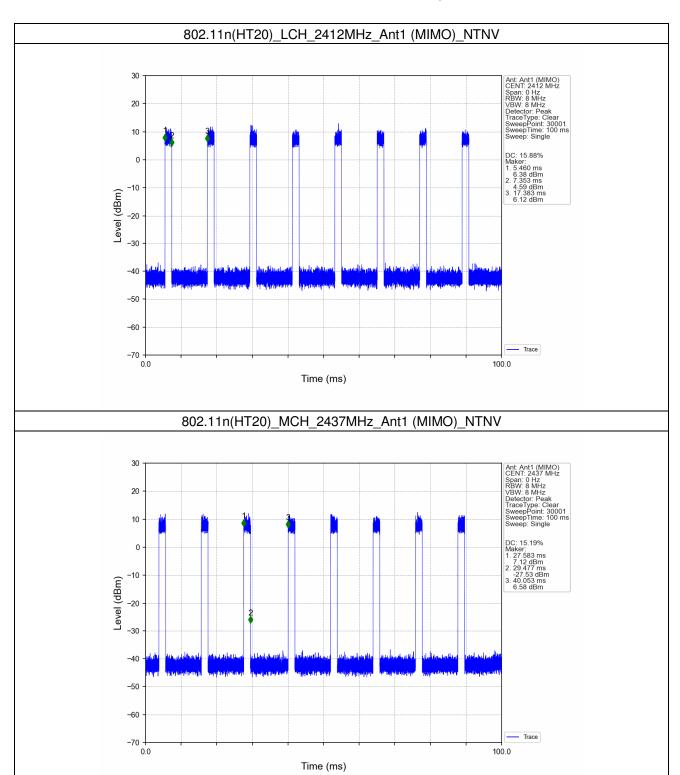
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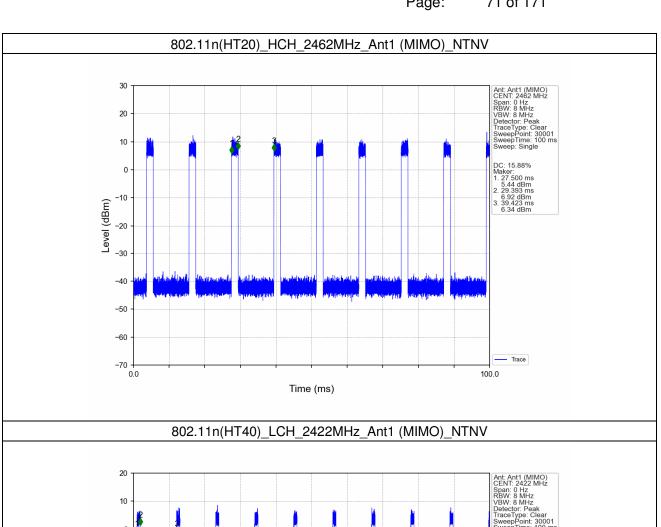
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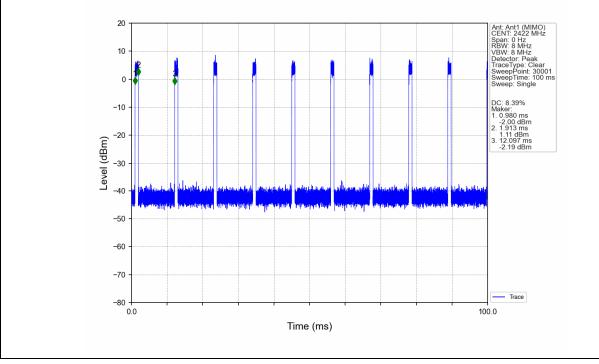
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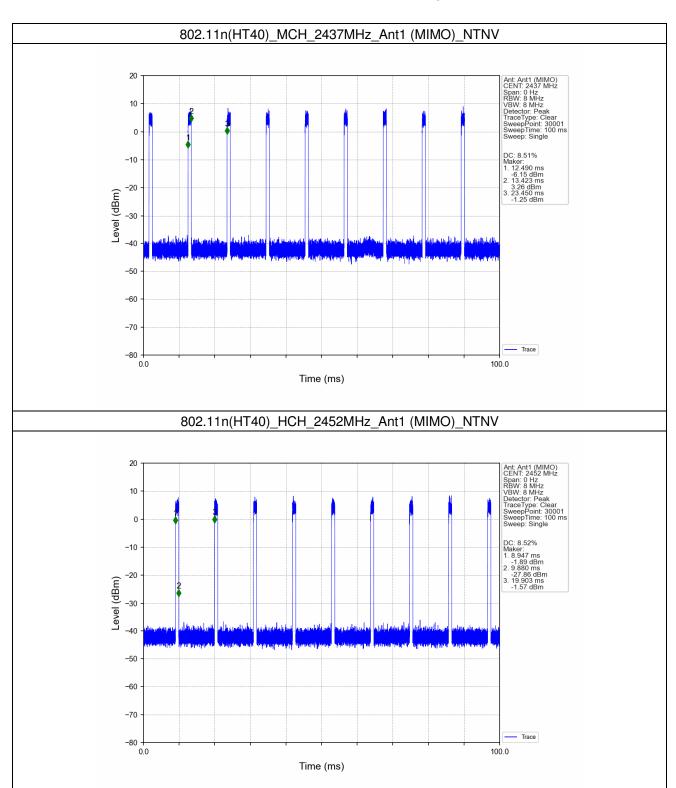
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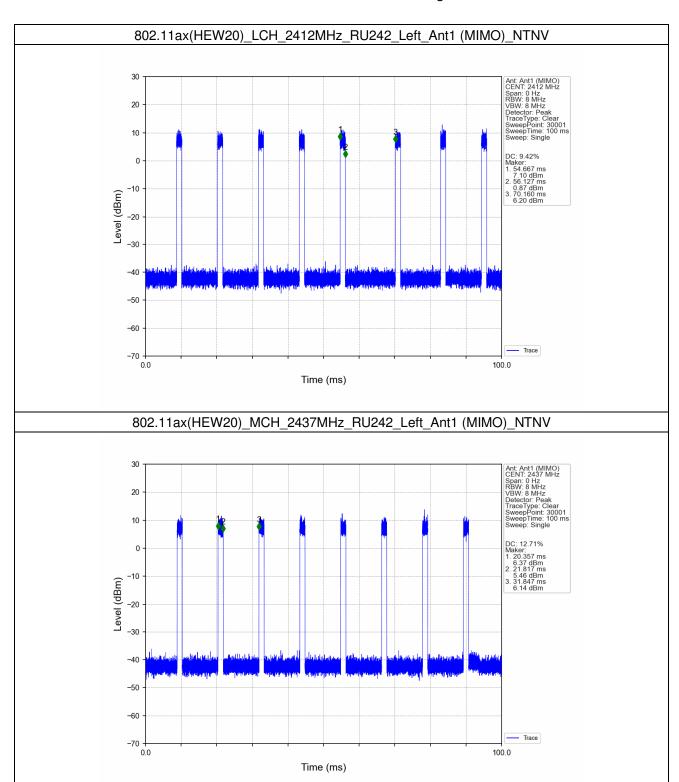
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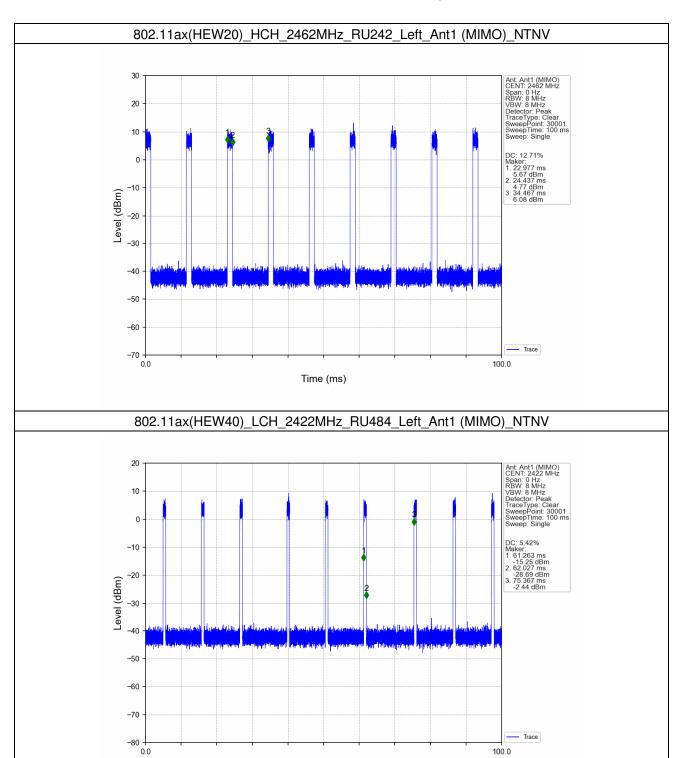
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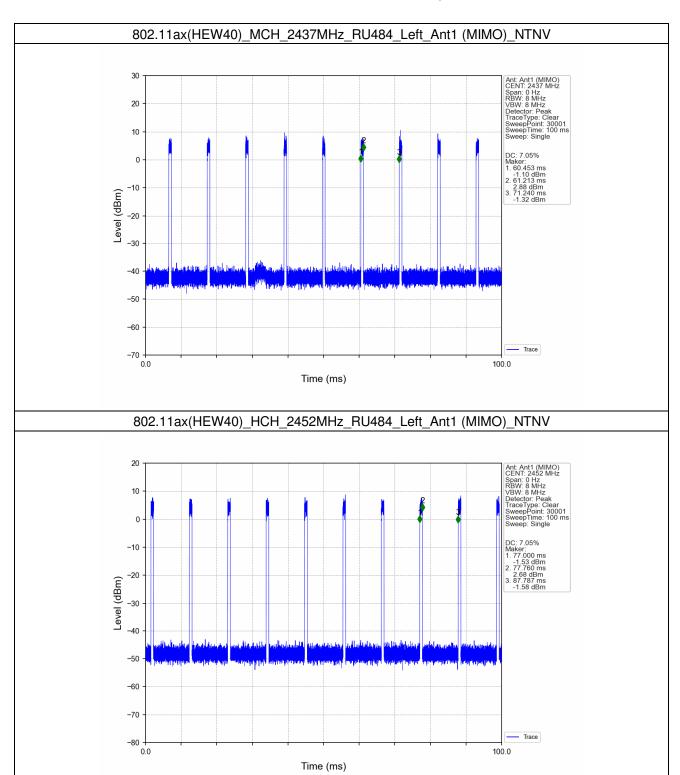
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2. Bandwidth

2.1 Test Result

2.1.1 6dB BW

Mode	TX	Frequency	RU	RU Pos	ANIT	6dB Bandv	Verdict	
Mode	Type	(MHz)			ANT	Result	Limit	verdict
	SISO	2412	/	/	1	10.029	>=0.5	Pass
802.11b		2437	/	/	1	10.085	>=0.5	Pass
		2462	/	/	1	9.605	>=0.5	Pass
	SISO	2412	/	/	1	16.346	>=0.5	Pass
802.11g		2437	/	/	1	16.325	>=0.5	Pass
		2462	/	/	1	16.377	>=0.5	Pass
000.11	MIMO	2412	/	/	1	16.949	>=0.5	Pass
802.11n (HT20)		2437	/	/	1	16.711	>=0.5	Pass
(11120)		2462	/	/	1	16.709	>=0.5	Pass
000.44	MIMO	2422	/	/	1	35.919	>=0.5	Pass
802.11n (HT40)		2437	/	/	1	35.517	>=0.5	Pass
(11140)		2452	/	/	1	35.494	>=0.5	Pass
000.44		2412	RU242	Left	1	18.397	>=0.5	Pass
802.11ax (HEW20)	MIMO	2437	RU242	Left	1	18.057	>=0.5	Pass
(IILVV20)		2462	RU242	Left	1	18.377	>=0.5	Pass
000.44	MIMO	2422	RU484	Left	1	37.433	>=0.5	Pass
802.11ax (HEW40)		2437	RU484	Left	1	36.582	>=0.5	Pass
(1124440)		2452	RU484	Left	1	37.515	>=0.5	Pass



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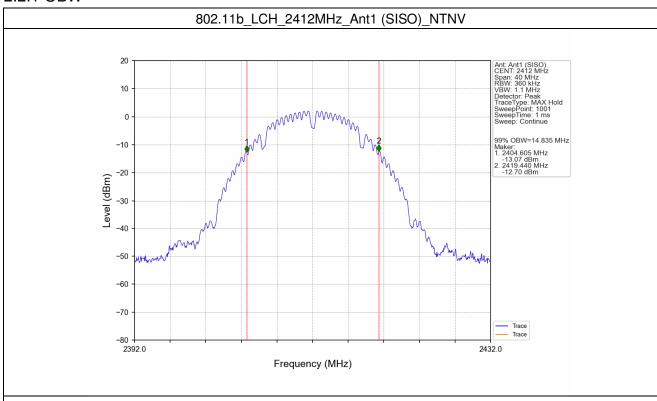


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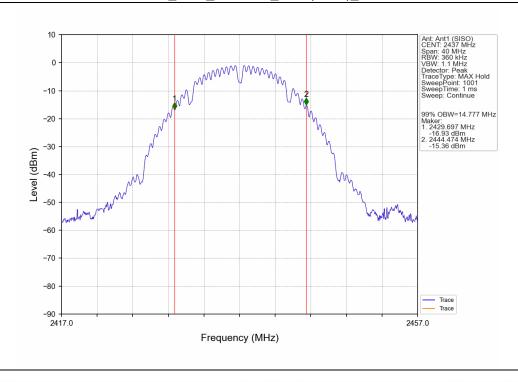
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2.2 Test Graph 2.2.1 OBW



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV





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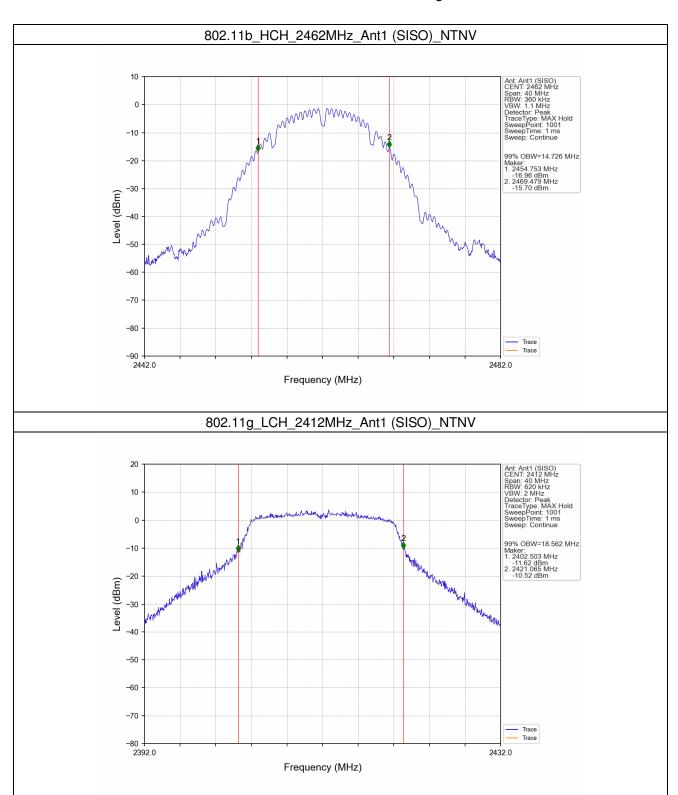
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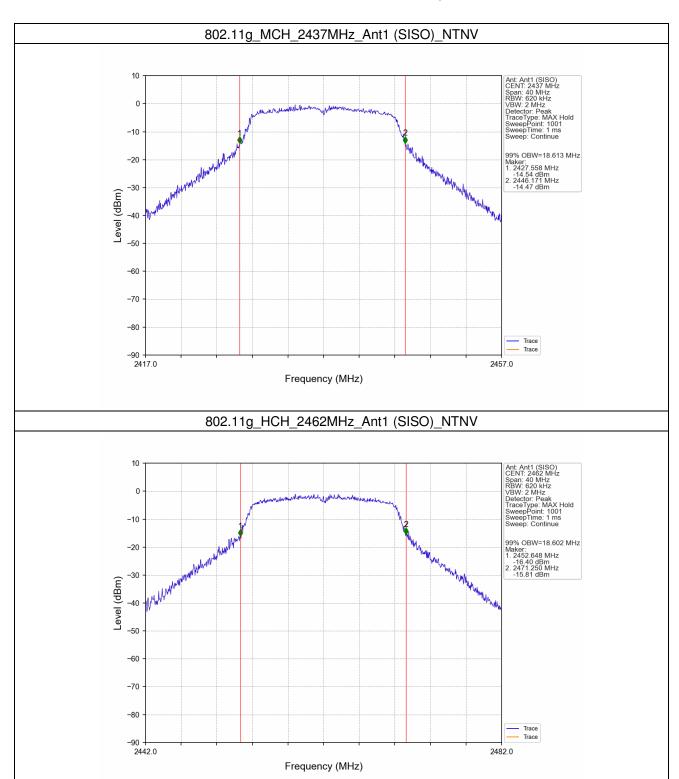
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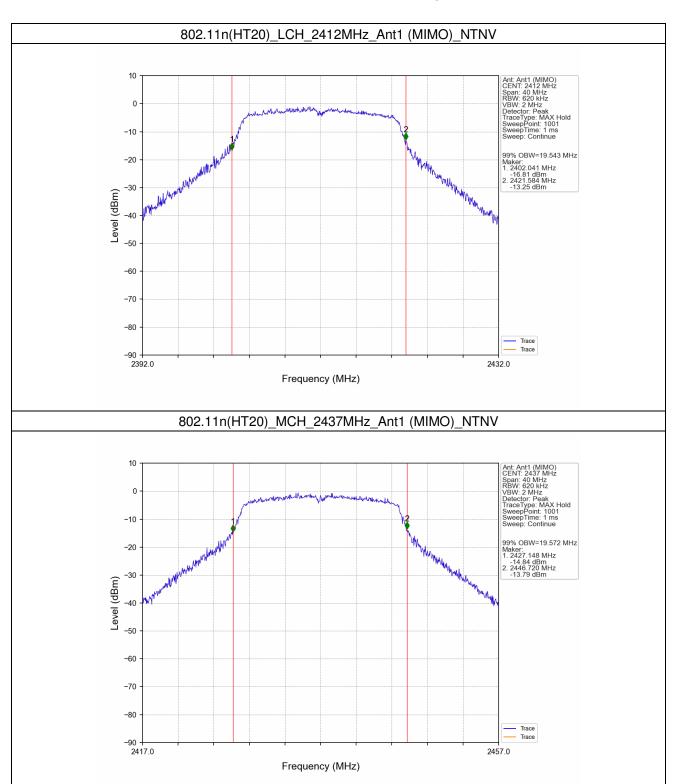
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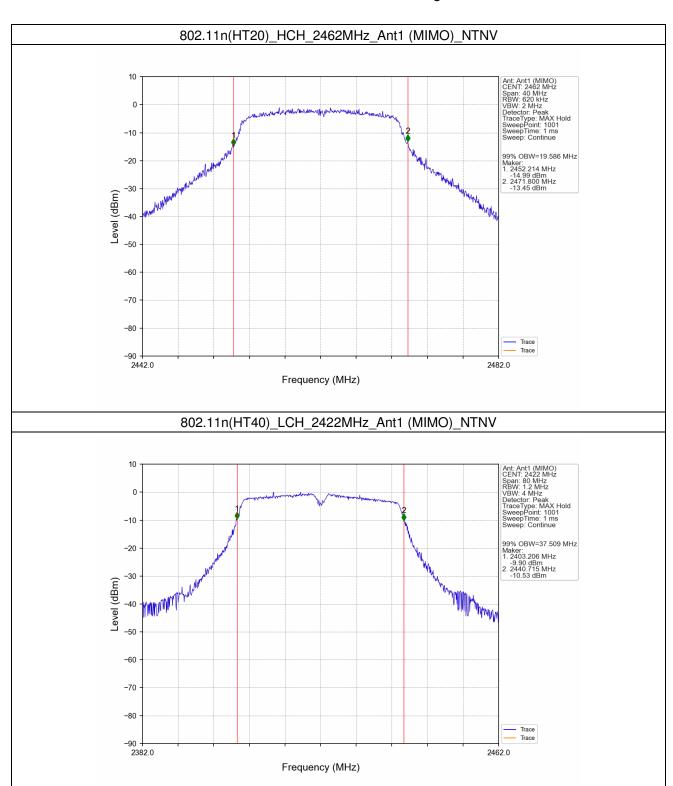
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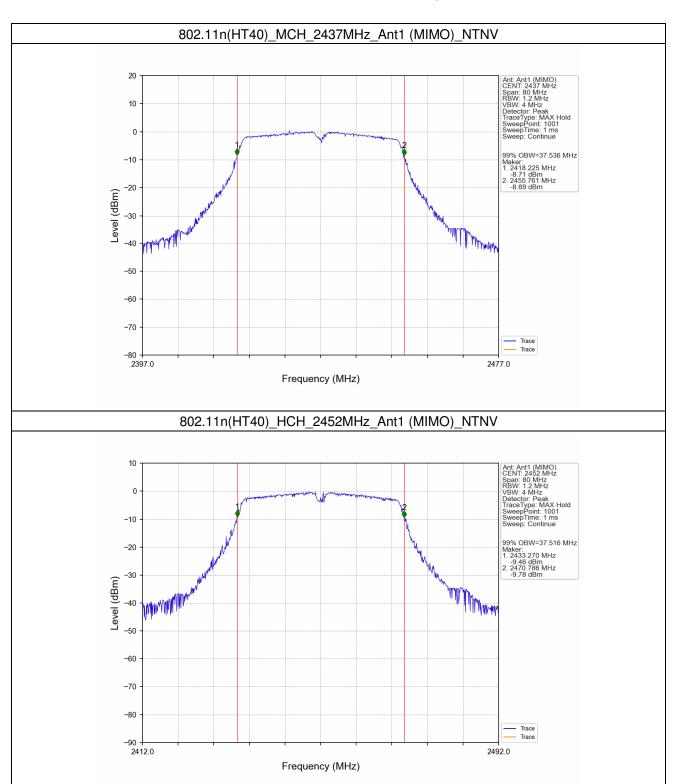
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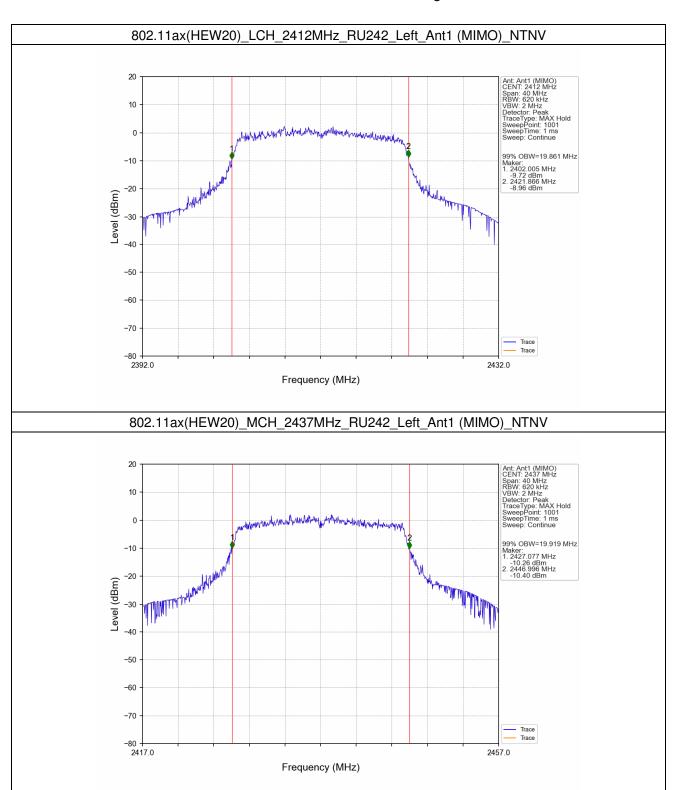
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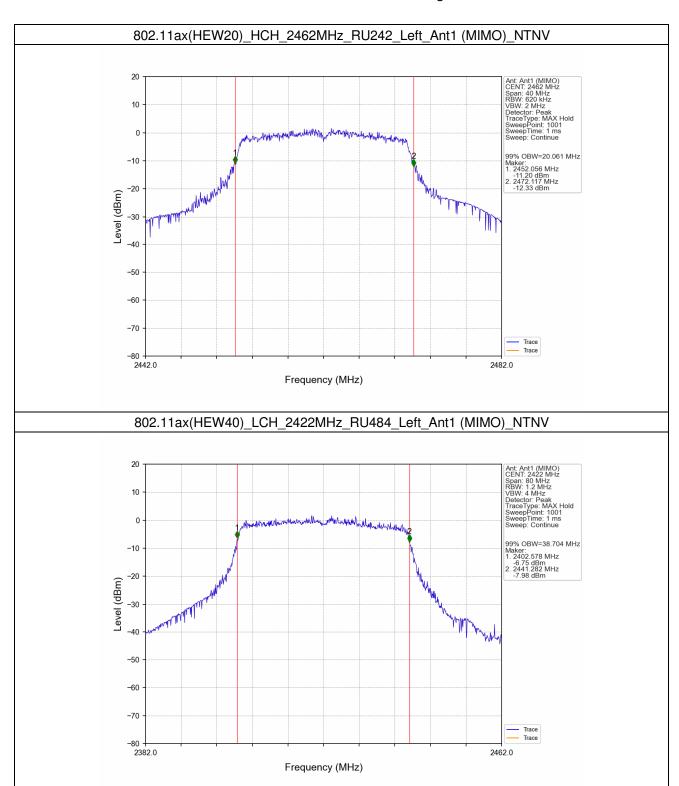
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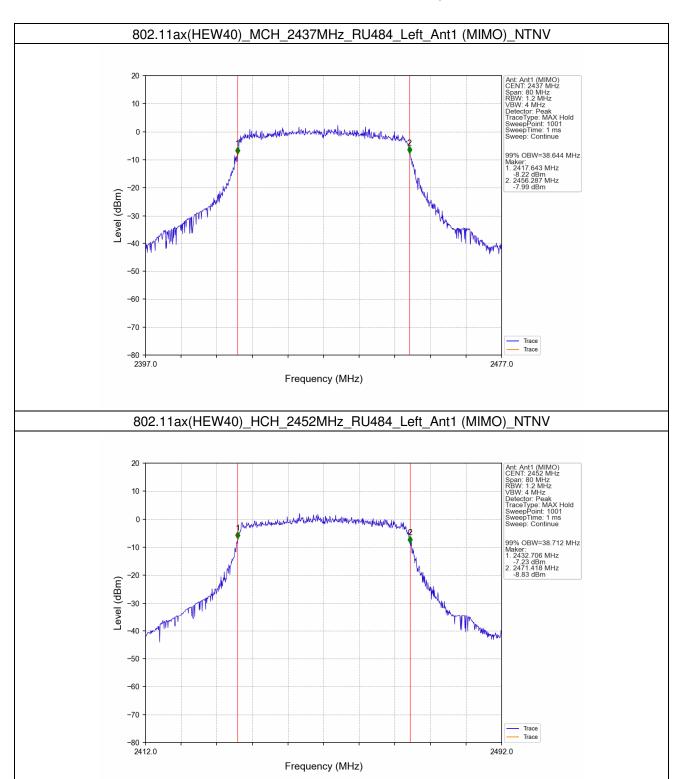
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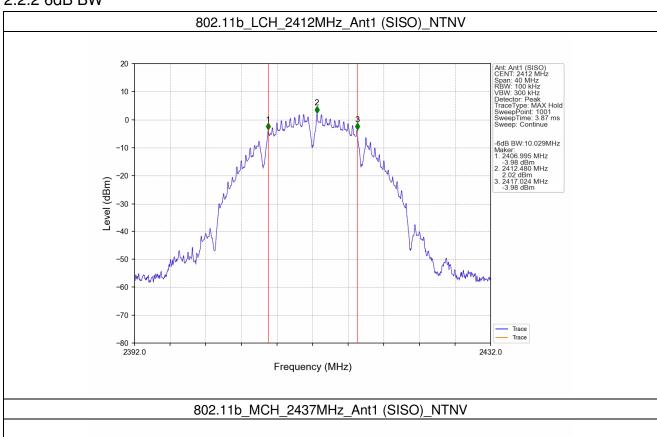


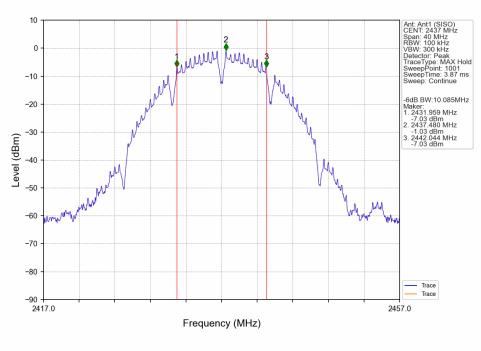
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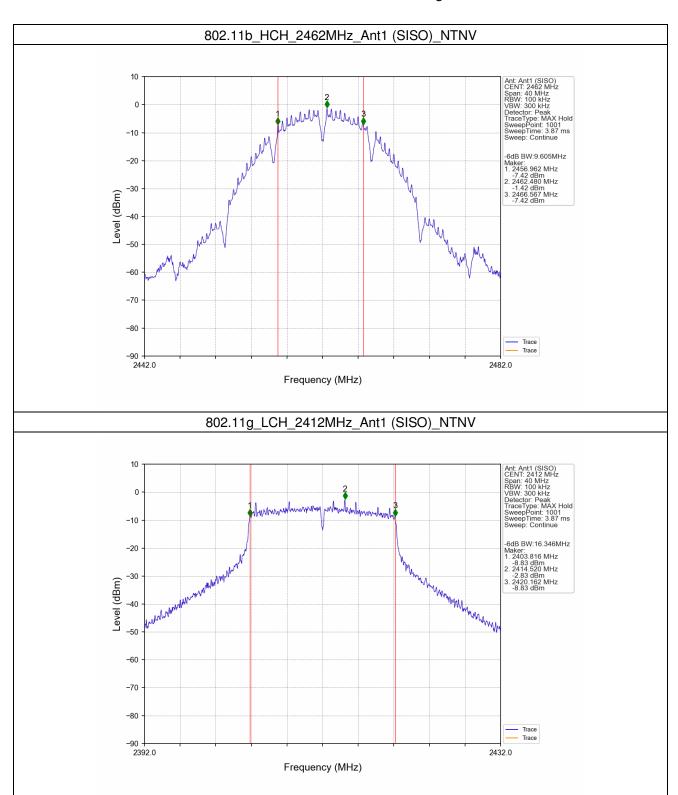
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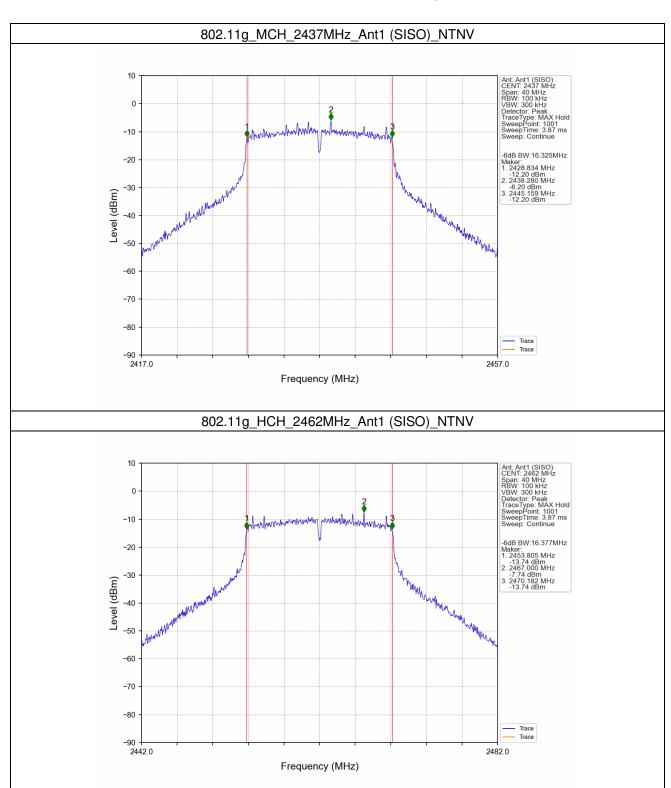
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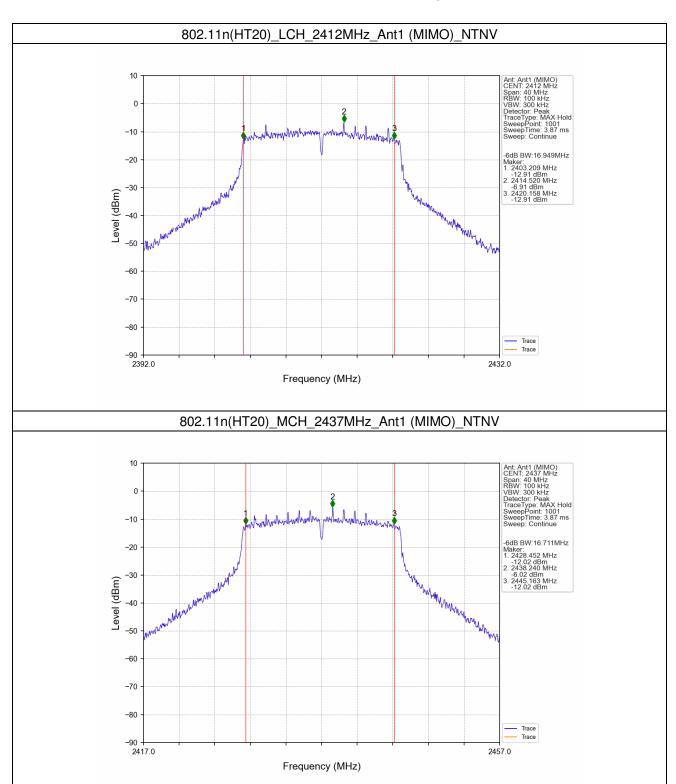
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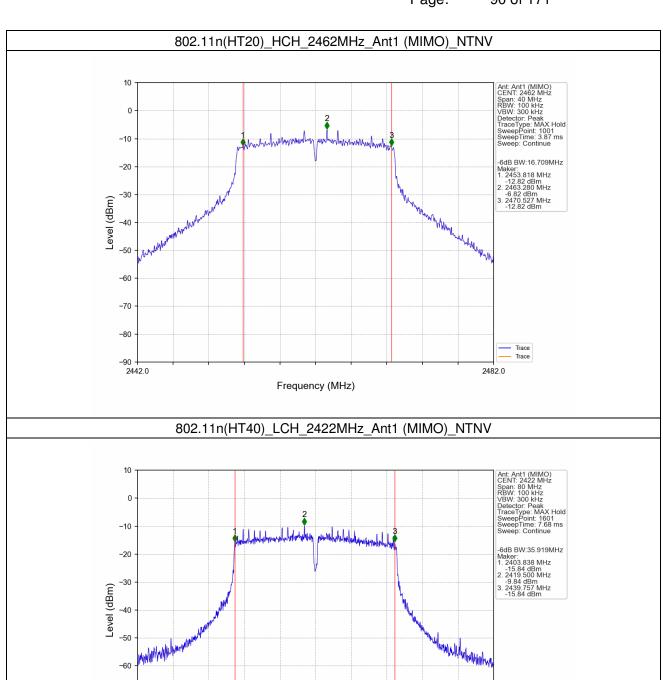
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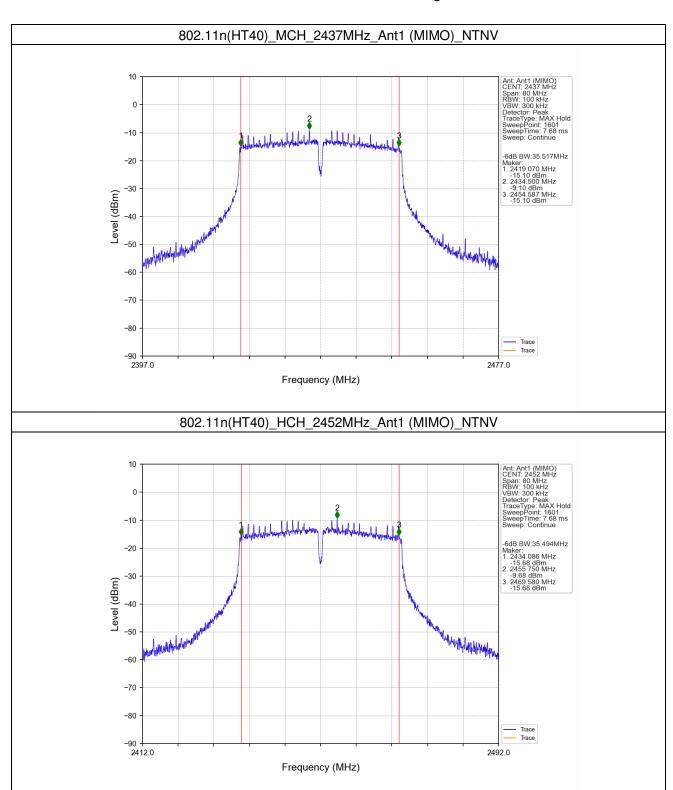
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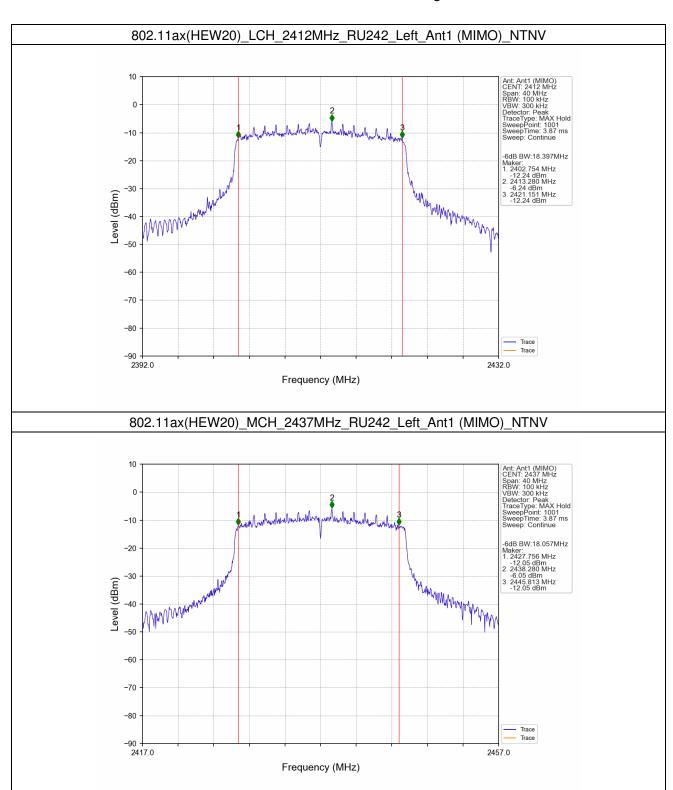
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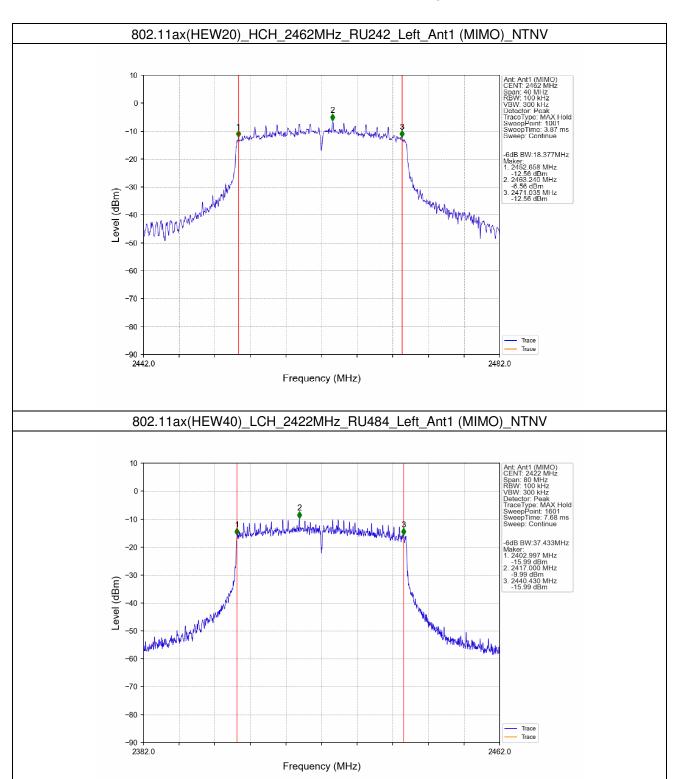
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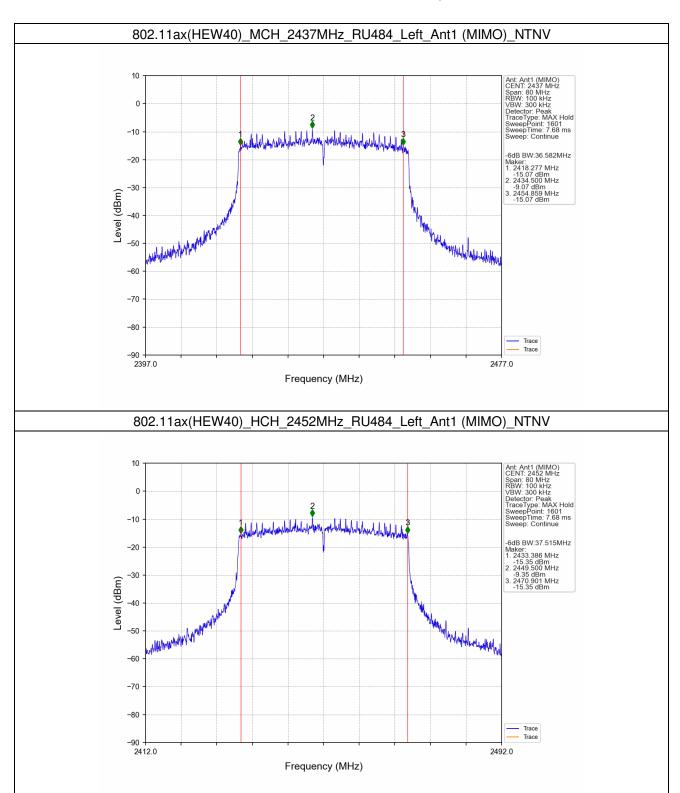
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3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximur	Verdict				
					ANT1	ANT2	MIMO	Limit		
	SISO	2412	/	/	13.15	12.96	/	<=30	Pass	
802.11b		2437	/	/	10.10	10.01	/	<=30	Pass	
		2462	/	/	9.66	9.64	/	<=30	Pass	
	SISO	2412	/	/	16.00	11.81	/	<=30	Pass	
802.11g		2437	/	/	12.12	12.01	/	<=30	Pass	
		2462	/	/	11.54	11.61	/	<=30	Pass	
000.44	MIMO	2412	/	/	11.97	11.57	14.78	<=29.26	Pass	
802.11n (HT20)		2437	/	/	11.90	11.77	14.85	<=29.26	Pass	
(11120)		2462	/	/	11.42	11.44	14.44	<=29.26	Pass	
000.11	MIMO	2422	/	/	11.34	11.14	14.25	<=29.26	Pass	
802.11n (HT40)		2437	/	/	11.93	11.75	14.85	<=29.26	Pass	
(11140)		2452	/	/	11.54	11.52	14.54	<=29.26	Pass	
	MIMO		2412	RU242	Left	12.78	12.46	15.63	<=29.26	Pass
802.11ax (HEW20)		2437	RU242	Left	12.93	12.94	15.95	<=29.26	Pass	
(1124420)		2462	RU242	Left	12.53	12.49	15.52	<=29.26	Pass	
000.44	MIMO	2422	RU484	Left	12.27	12.11	15.20	<=29.26	Pass	
802.11ax (HEW40)		2437	RU484	Left	12.61	12.54	15.59	<=29.26	Pass	
(11244-0)			2452	RU484	Left	12.43	12.71	15.58	<=29.26	Pass

Note1: Antenna Gain: Ant1: 3.73dBi; Ant2: 2.77dBi;

Note2: Directional Gain: Band1: 6.74dBi



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4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ма	Vordict			
ivioue					ANT1	ANT2	MIMO	Limit	Verdict
802.11b	SISO	2412	/	/	-12.21	-11.84	/	<=8	Pass
		2437	/	/	-15.34	-16.44	/	<=8	Pass
		2462	/	/	-16.18	-16.69	/	<=8	Pass
		2412	/	/	-20.95	-21.09	/	<=8	Pass
802.11g	SISO	2437	/	/	-20.76	-20.76	/	<=8	Pass
		2462	/	/	-21.78	-22.37	/	<=8	Pass
000.44	MIMO	2412	/	/	-19.86	-20.26	-18.46	<=8	Pass
802.11n (HT20)		2437	/	/	-21.18	-20.79	-18.59	<=8	Pass
(11120)		2462	/	/	-20.28	-22.04	-18.85	<=8	Pass
	МІМО	2422	/	/	-24.21	-17.98	-17.66	<=8	Pass
802.11n (HT40)		2437	/	/	-23.52	-23.78	-22.05	<=8	Pass
(11140)		2452	/	/	-22.51	-23.05	-21.22	<=8	Pass
000 11	MIMO	2412	RU242	Left	-22.47	-22.55	-20.22	<=8	Pass
802.11ax (HEW20)		2437	RU242	Left	-21.96	-22.43	-20.15	<=8	Pass
(1124420)		2462	RU242	Left	-22.29	-22.38	-20.62	<=8	Pass
000.44	MIMO	2422	RU484	Left	-24.53	-25.85	-23.46	<=8	Pass
802.11ax (HEW40)		2437	RU484	Left	-23.16	-25.79	-22.50	<=8	Pass
(11244-0)		2452	RU484	Left	-25.85	-24.99	-23.07	<=8	Pass

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;

Note2: Directional Gain: Band1: 6.01dBi



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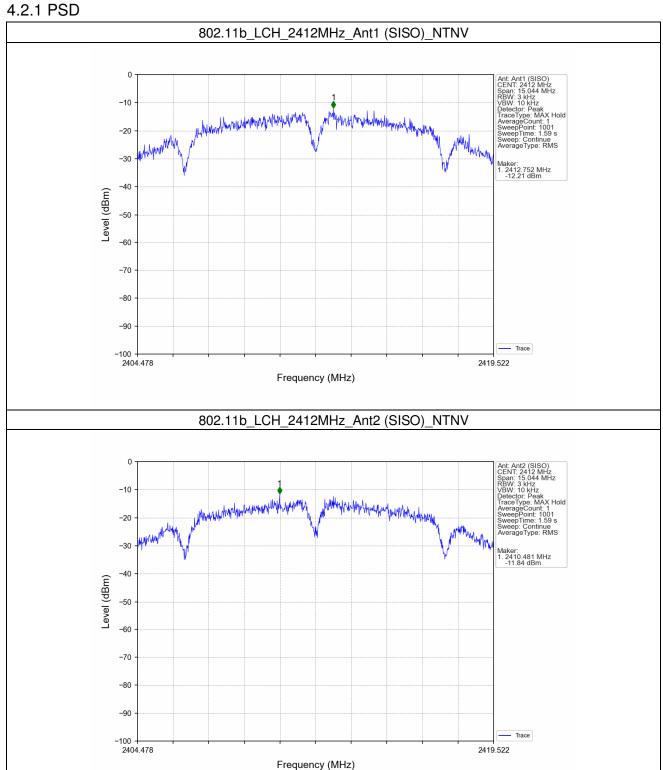
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4.2 Test Graph





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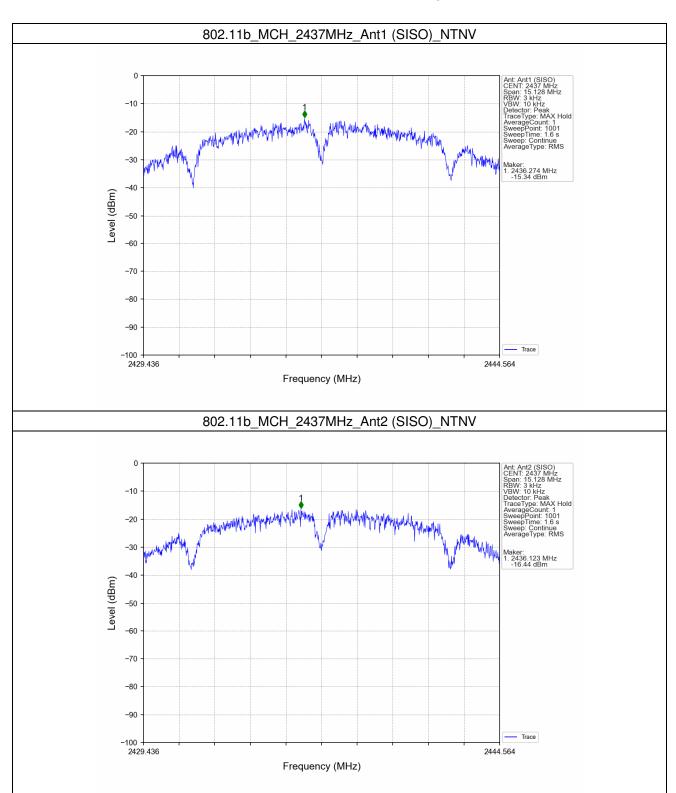
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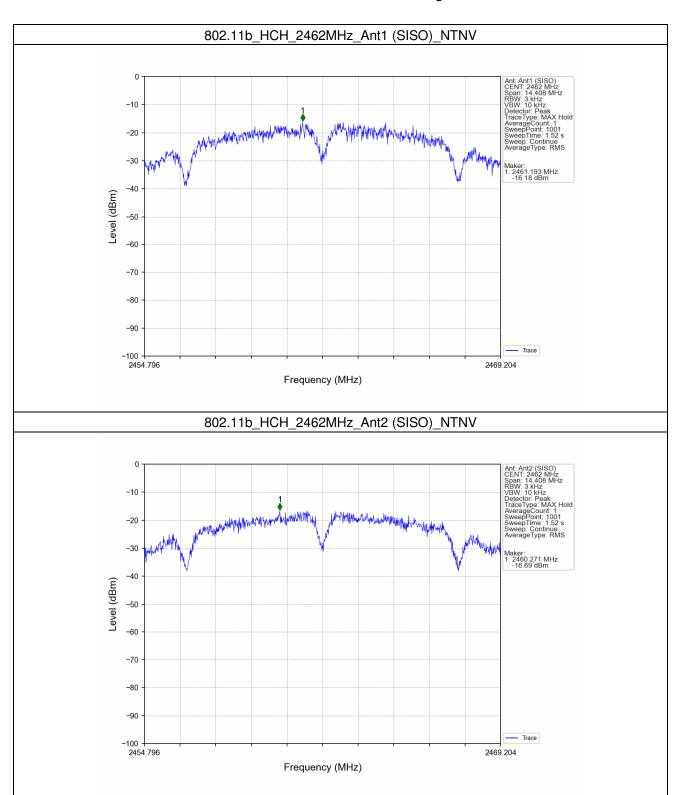
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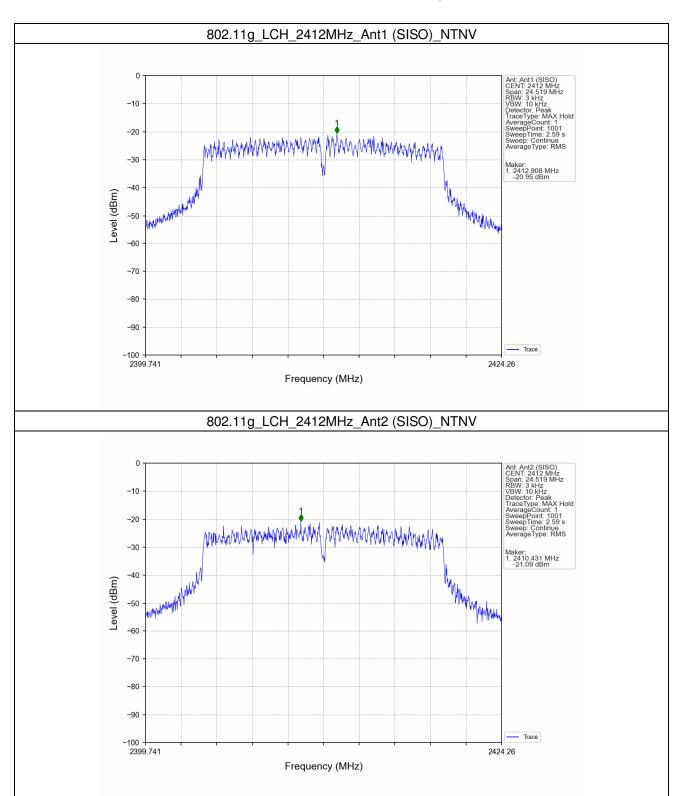
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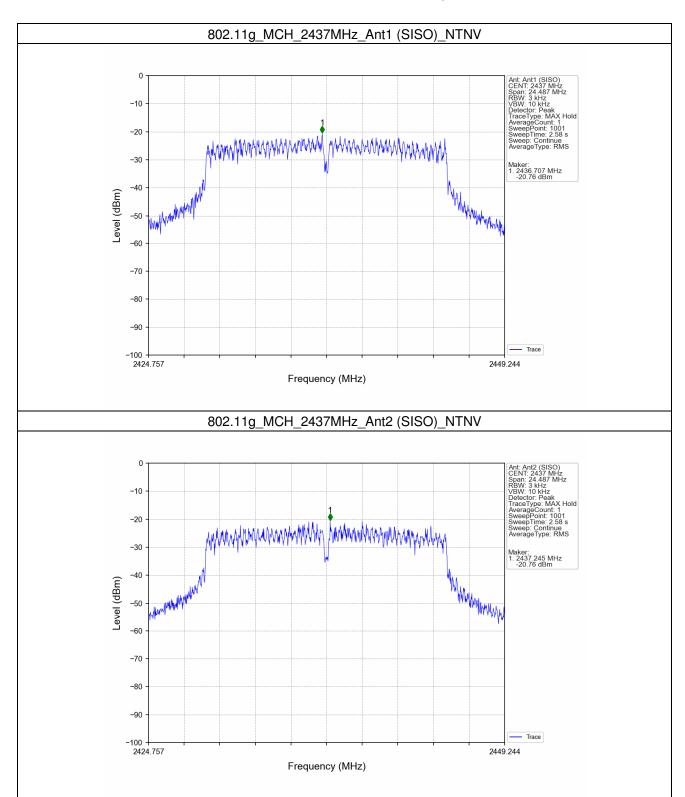
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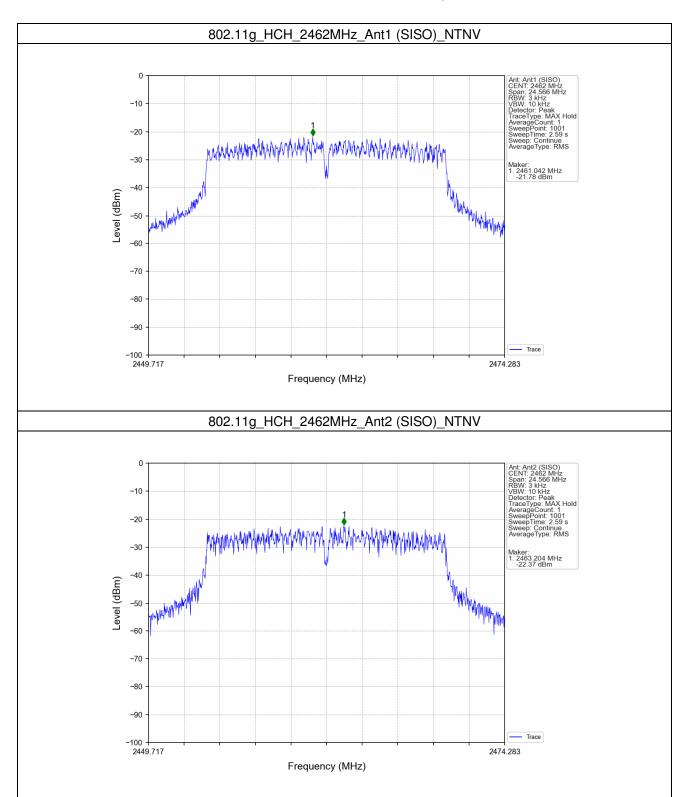
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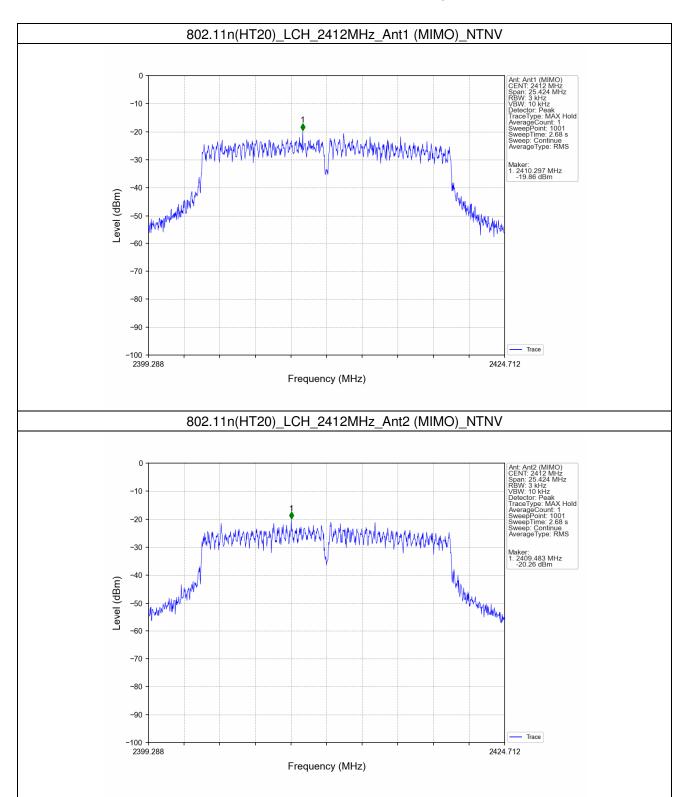
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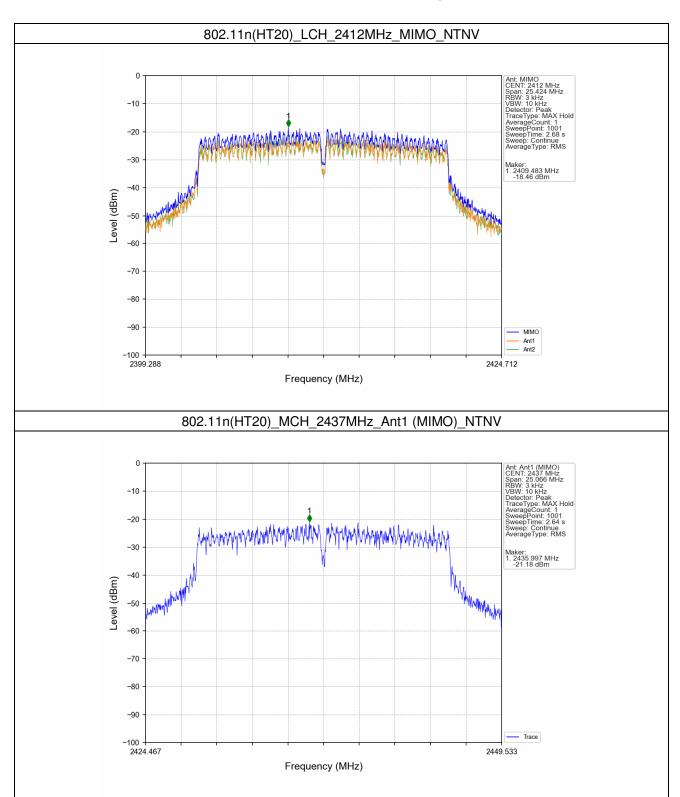
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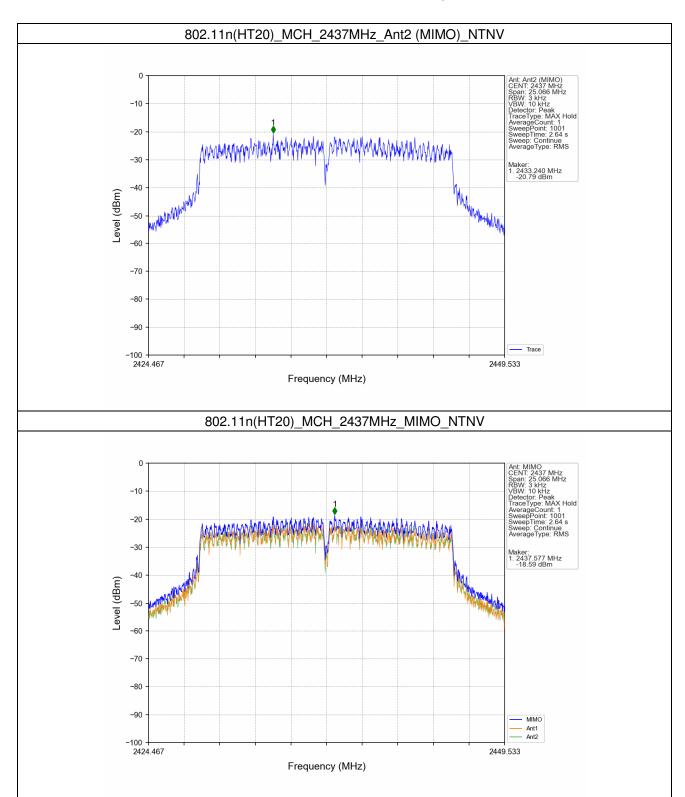
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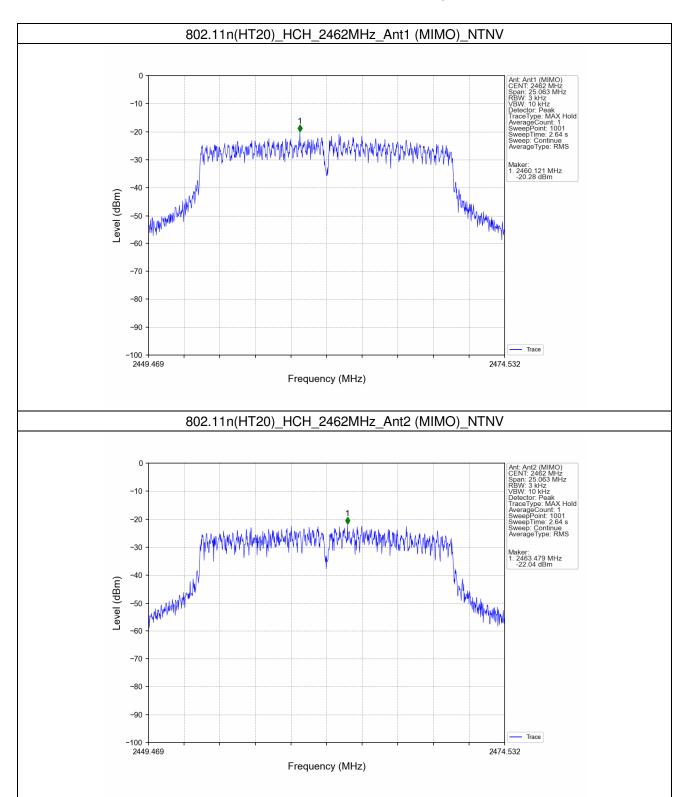
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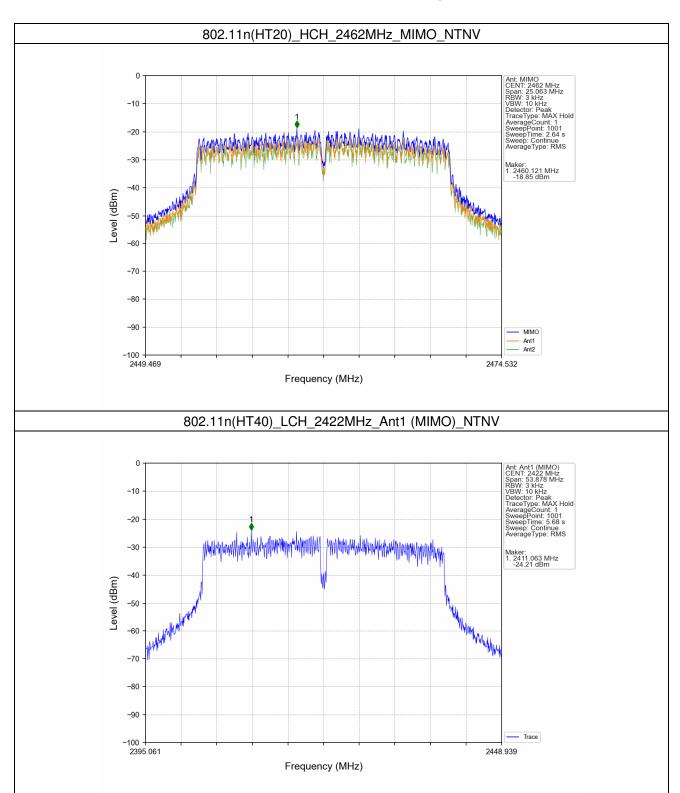
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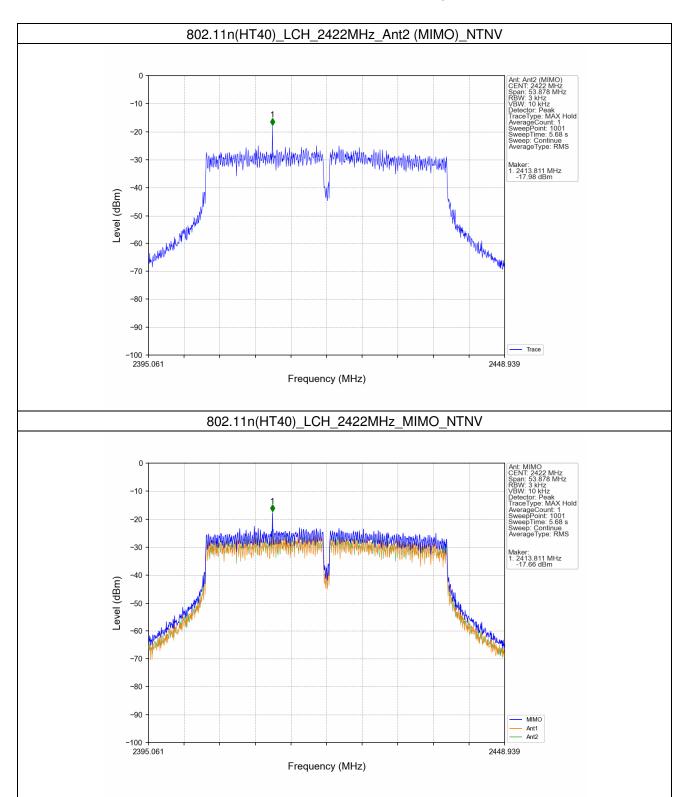
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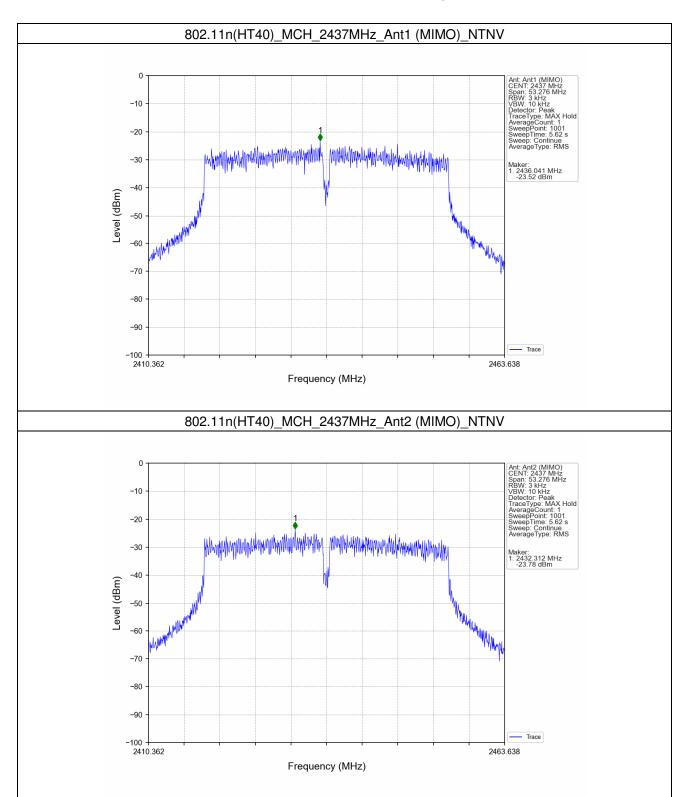
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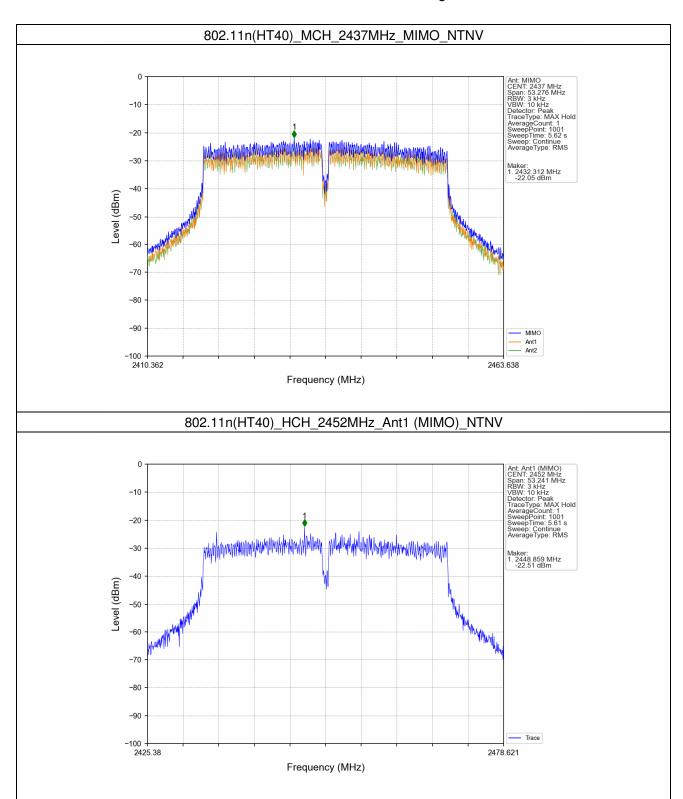
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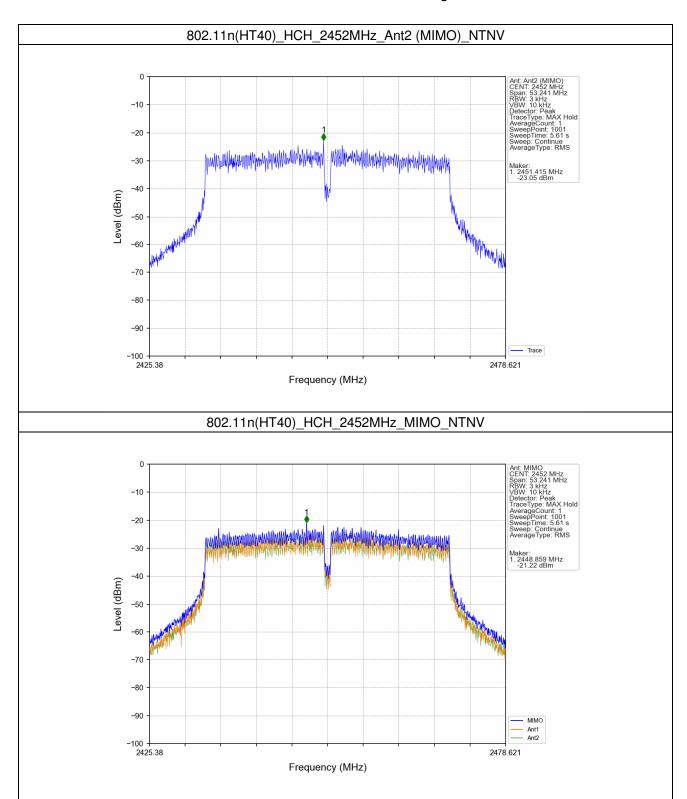
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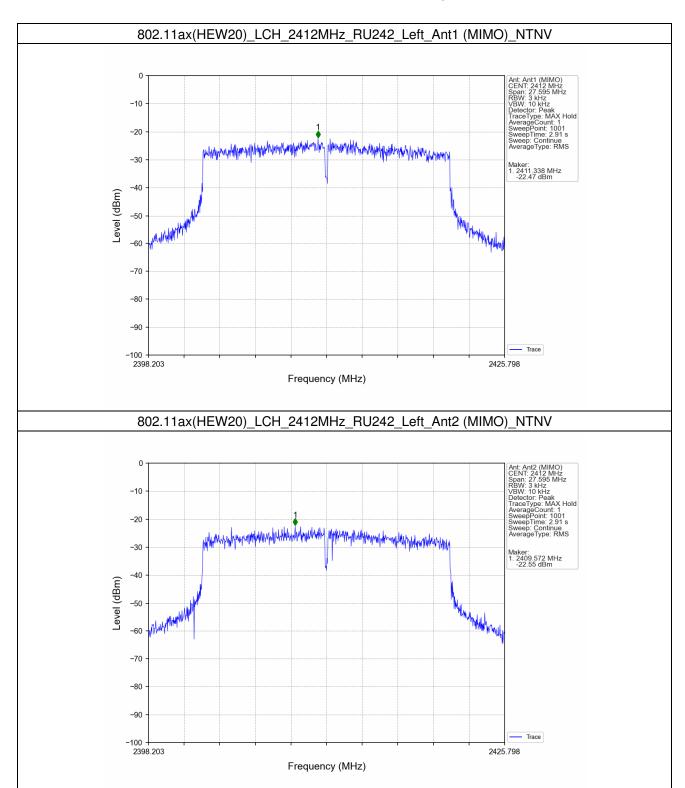
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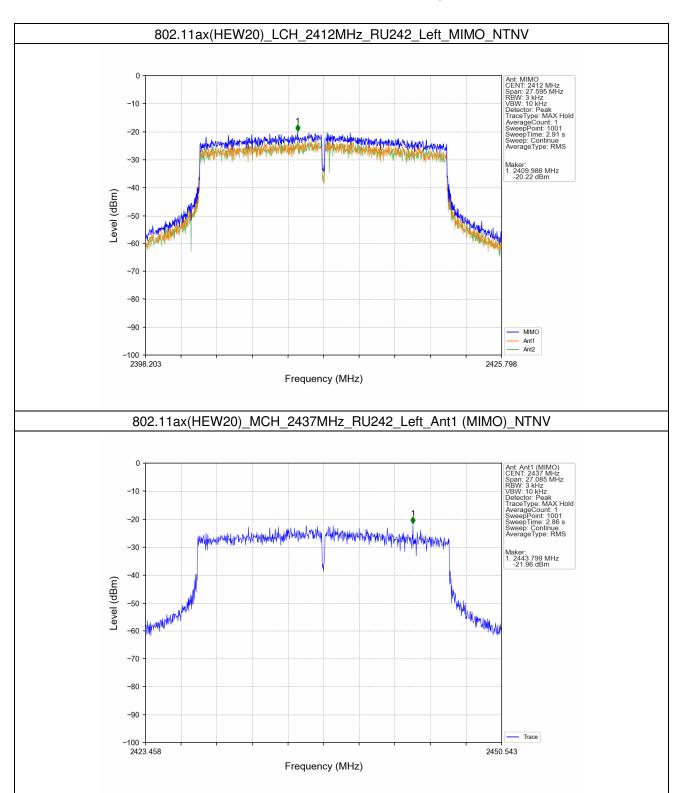
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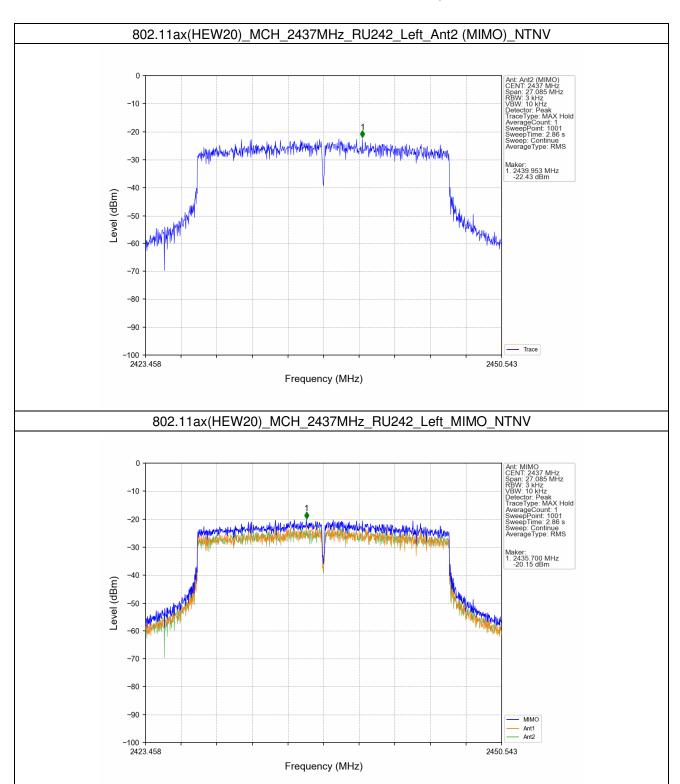
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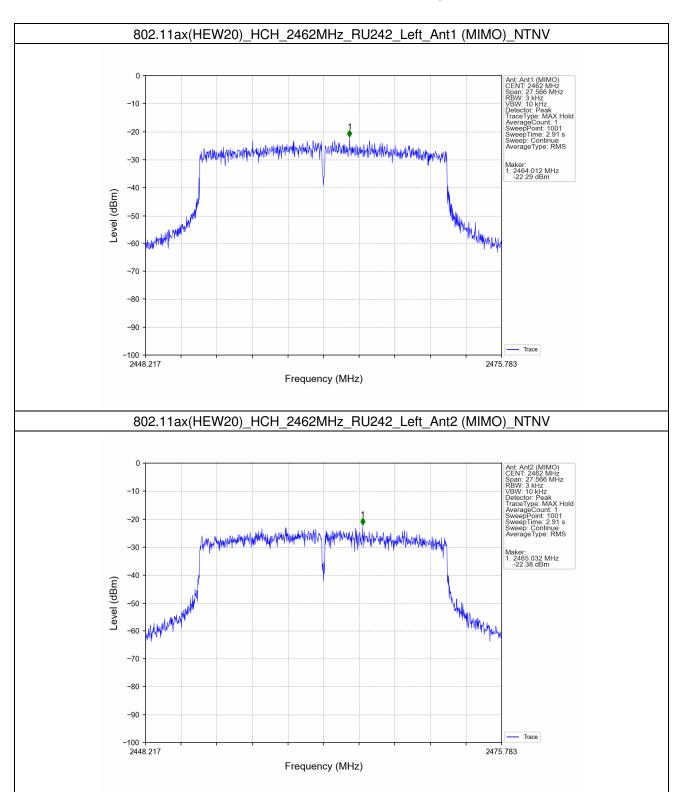
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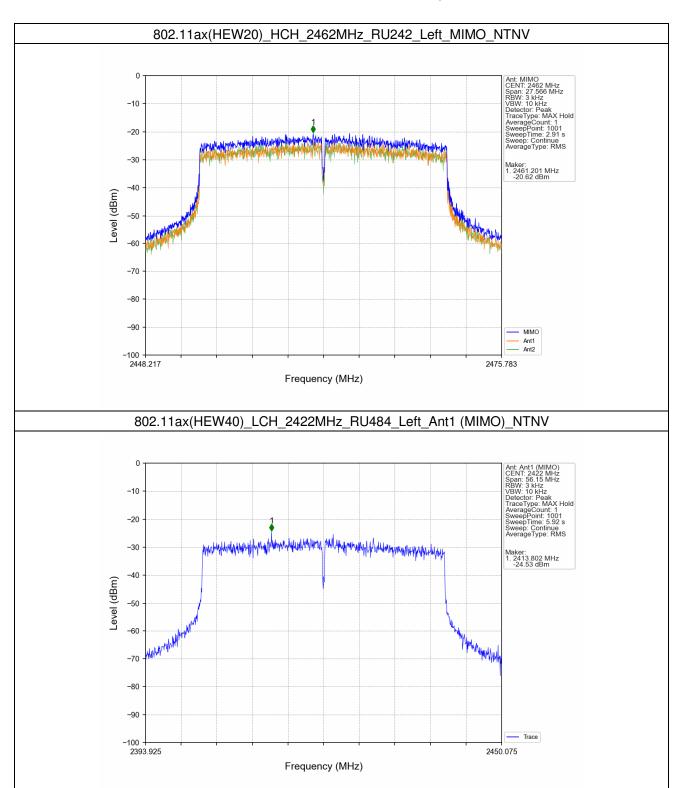
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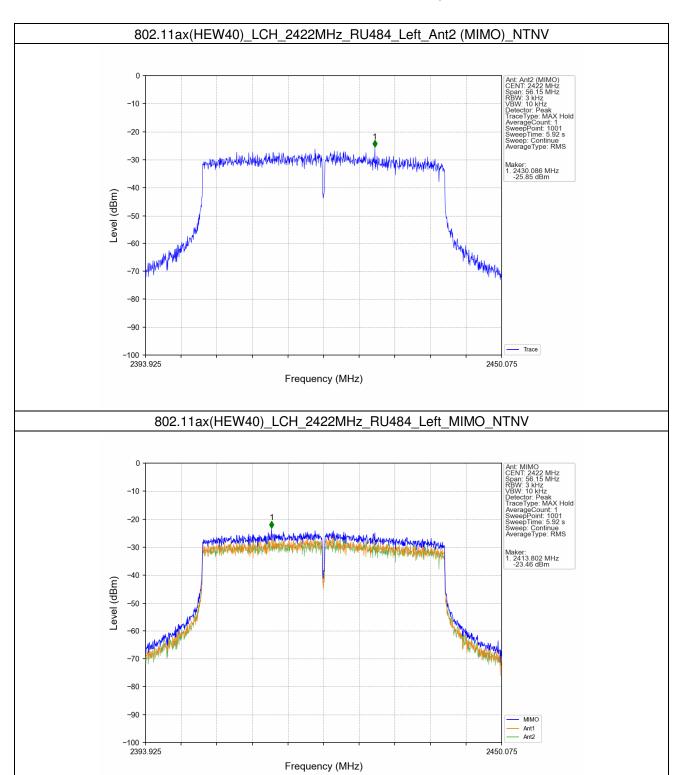
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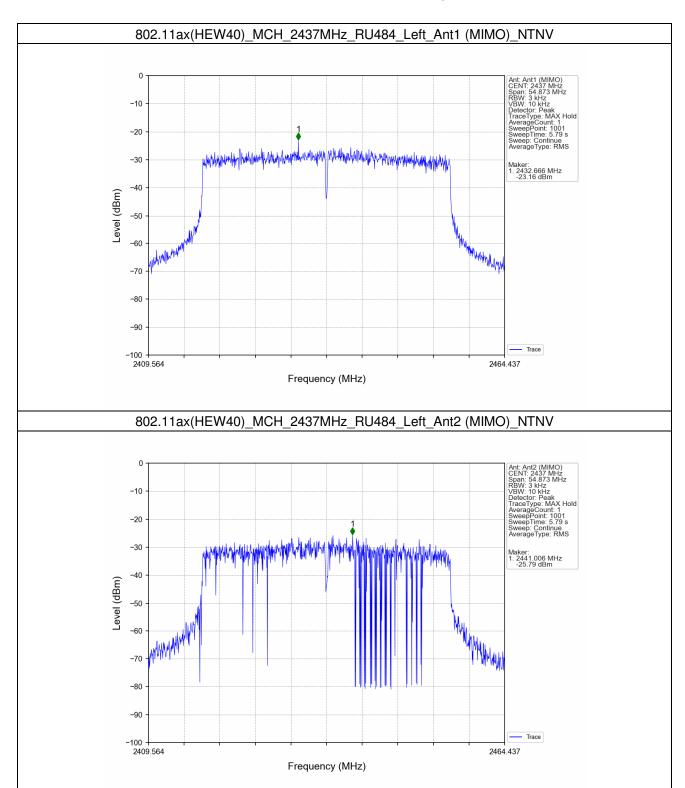
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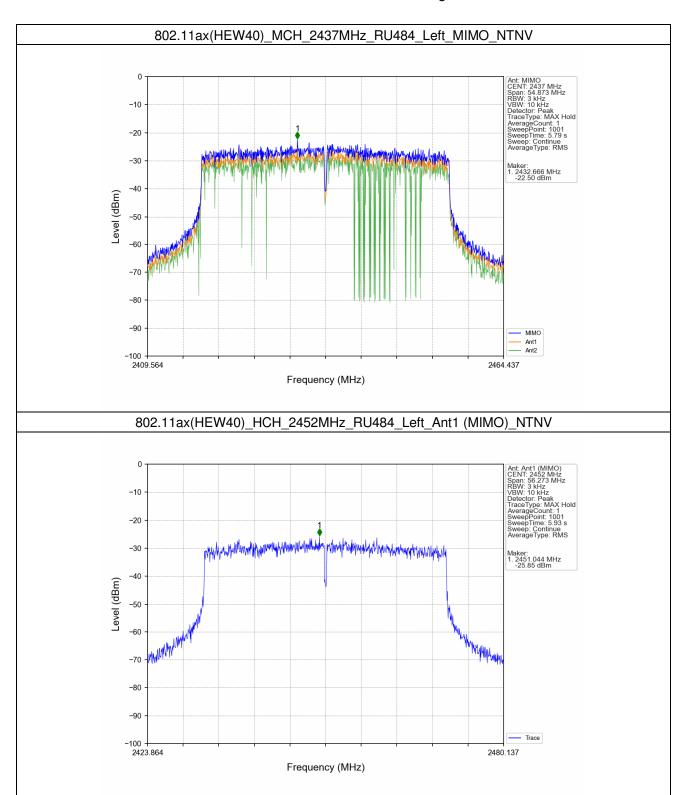
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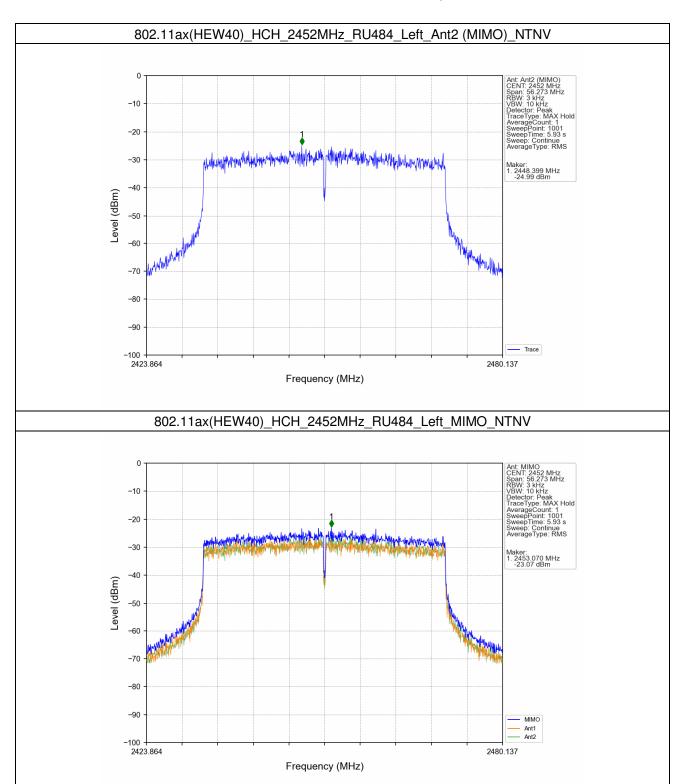
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