

Report No.: GZCR220400042501

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#### 10 Appendix

1. Duty Cycle

1.1 Ant1

#### 1.1.1 Test Result

Ant1										
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)	
		2412	/	/	0.689	0.962	71.62	1.45	19.67	
802.11b	SISO	2437	/	/	0.689	0.962	71.62	1.45	18.58	
		2462	/	/	0.689	0.962	71.62	1.45	18.54	
		2412	/	/	1.976	2.155	91.69	0.38	4.86	
802.11g	SISO	2437	/	/	1.976	2.155	91.69	0.38	4.86	
		2462	/	/	1.976	2.146	92.08	0.36	4.01	
000.44	MIMO	2412	/	/	5.406	5.583	96.83	0.14	1.92	
802.11n (HT20)		2437	/	/	5.362	5.530	96.96	0.13	1.71	
(11120)		2462	/	/	5.360	5.540	96.75	0.14	1.96	
000.44	MIMO	2422	/	/	5.374	5.514	97.46	0.11	1.14	
802.11n (HT40)		2437	/	/	5.374	5.506	97.60	0.11	1.11	
(11140)		2452	/	/	5.374	5.542	96.97	0.13	1.64	
000.44	MIMO	2412	RU242	Left	5.308	5.486	96.76	0.14	1.94	
802.11ax (HEW20)		2437	RU242	Left	5.309	5.451	97.39	0.11	1.28	
(1127720)		2462	RU242	Left	5.309	5.487	96.76	0.14	1.95	
000.44	MIMO	2422	RU484	Left	5.418	5.596	96.82	0.14	1.91	
802.11ax (HEW40)		2437	RU484	Left	5.418	5.560	97.45	0.11	1.14	
(1127740)		2452	RU484	Left	5.418	5.578	97.13	0.13	1.59	



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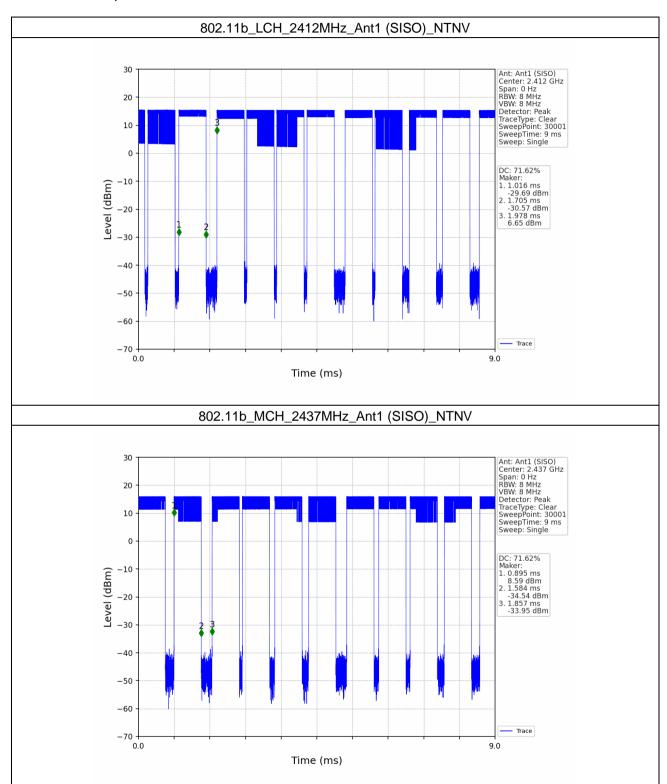
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#### 1.1.2 Test Graph





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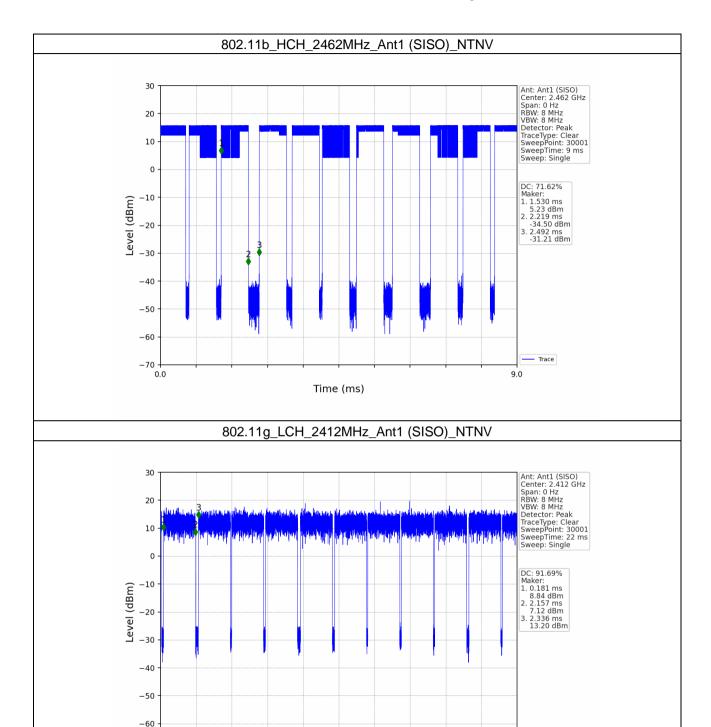
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Time (ms)

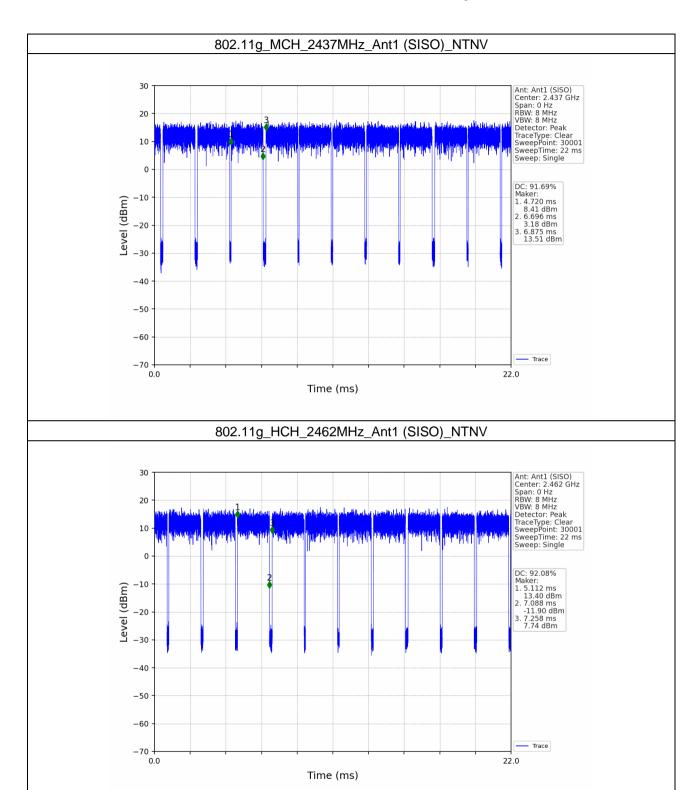
Trace

22.0



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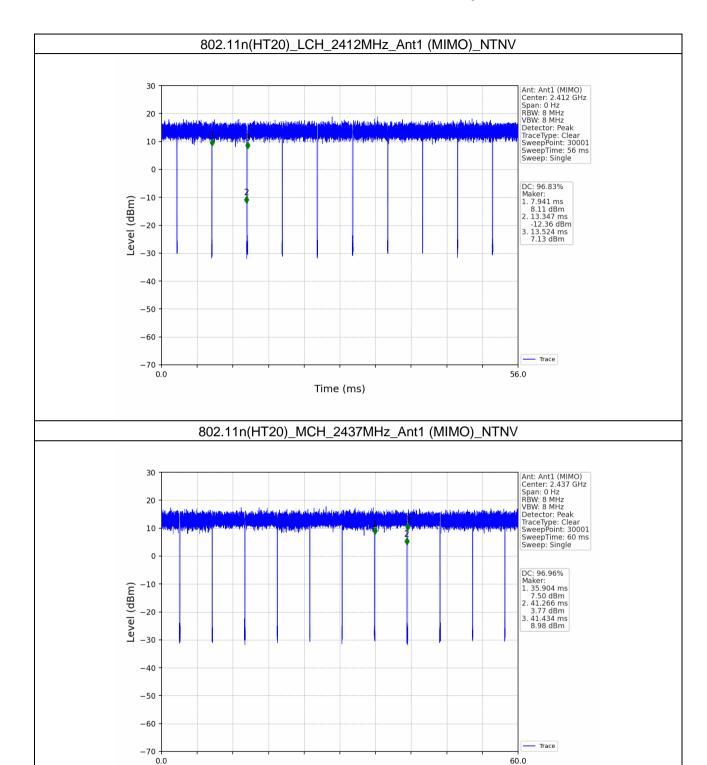
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Time (ms)

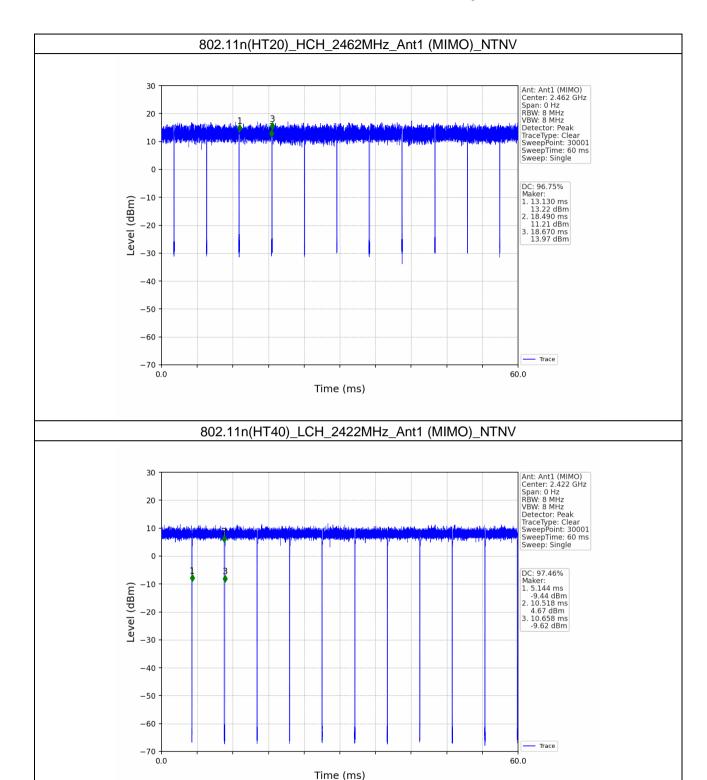


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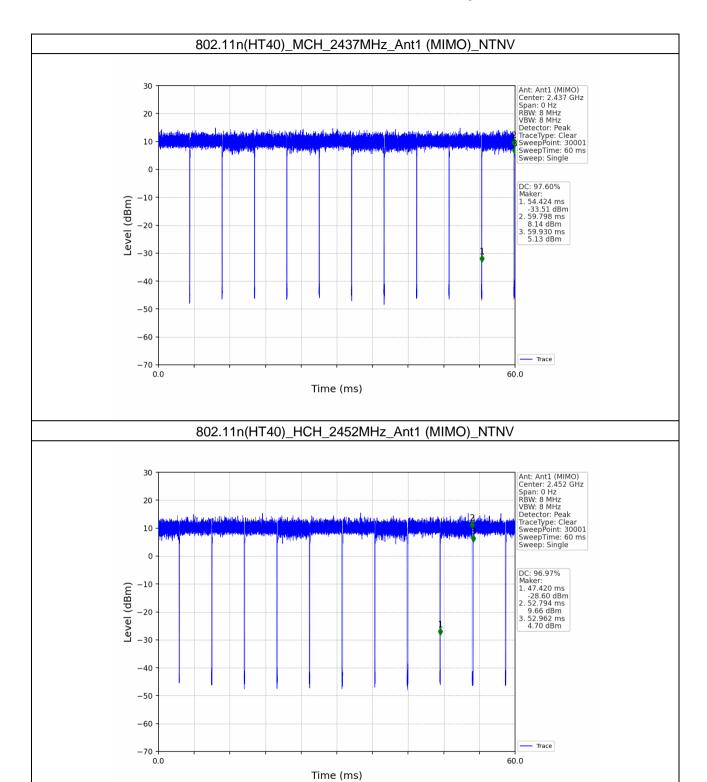


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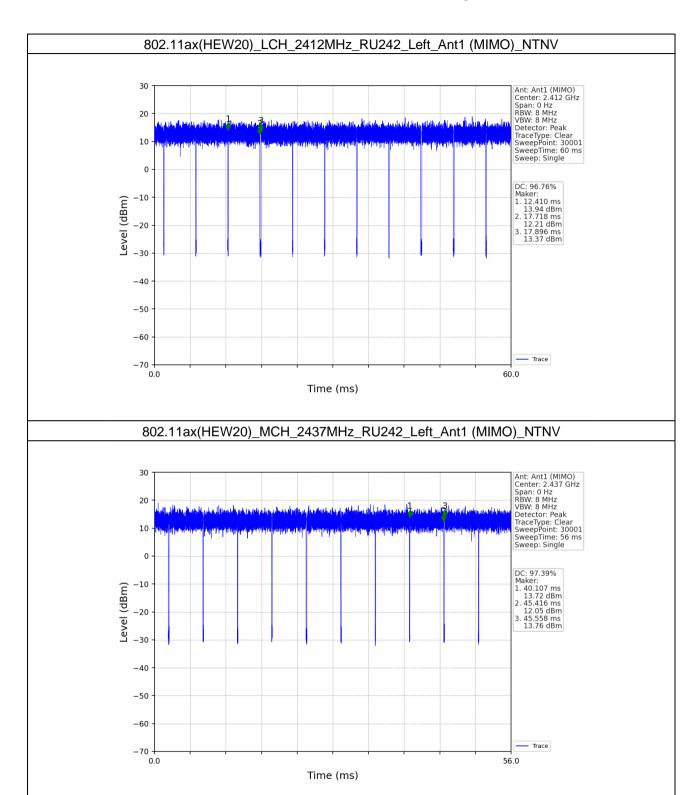


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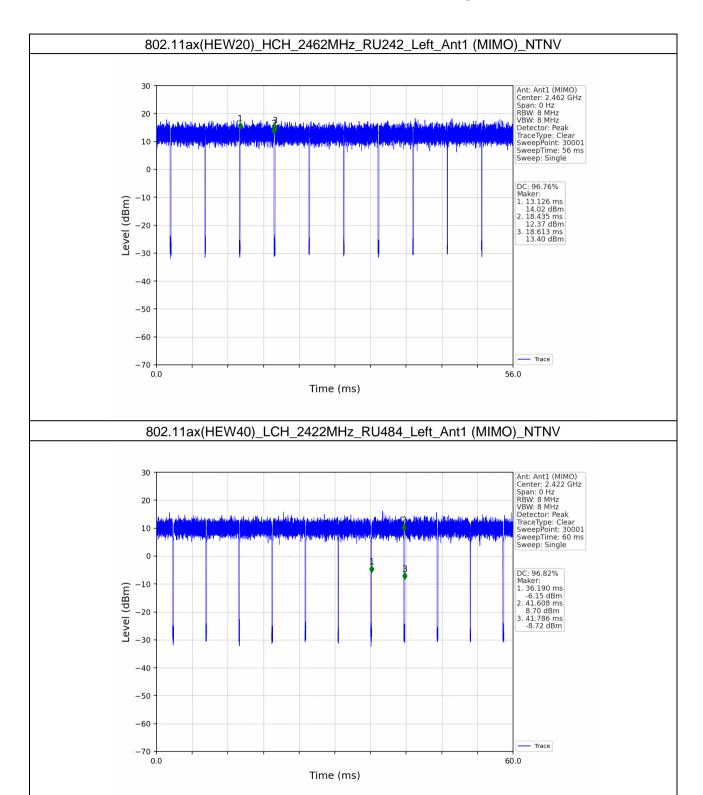


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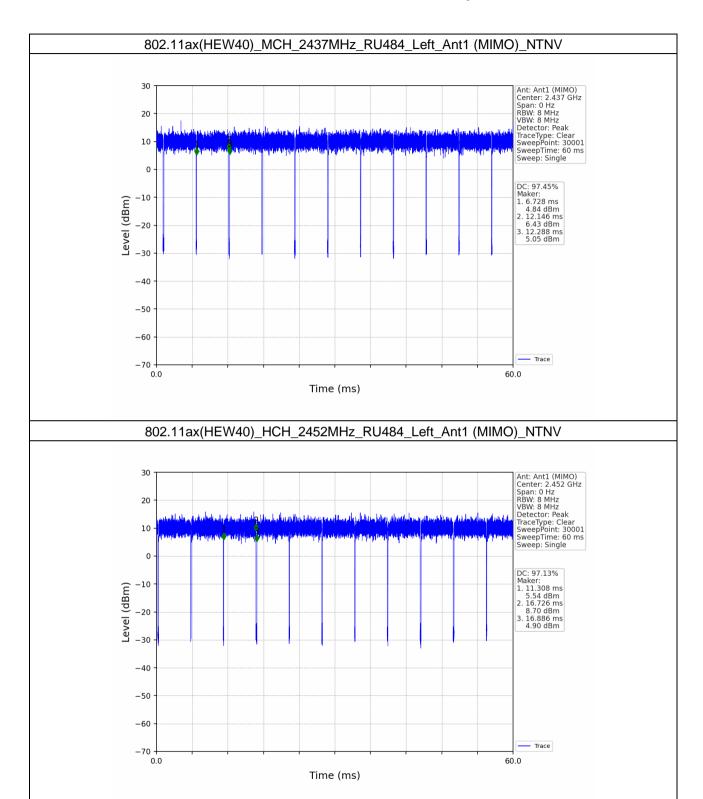
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#### 2. Bandwidth

#### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz) Result	Verdict
	SISO	2412	/	/	1	12.975	Pass
802.11b		2437	/	/	1	12.987	Pass
		2462	/	/	1	12.993	Pass
		2412	/	/	1	16.715	Pass
802.11g	SISO	2437	/	/	1	16.728	Pass
		2462	/	/	1	16.725	Pass
	MIMO	2412	/	/	1	17.858	Pass
802.11n (HT20)		2437	/	/	1	17.866	Pass
(11120)		2462	/	/	1	17.839	Pass
000.44	MIMO	2422	/	/	1	36.377	Pass
802.11n (HT40)		2437	/	/	1	36.317	Pass
(11140)		2452	/	/	1	36.320	Pass
		2412	RU242	Left	1	19.045	Pass
802.11ax (HEW20)	MIMO	MIMO 2437		Left	1	19.035	Pass
(1124420)		2462	RU242	Left	1	19.032	Pass
000.44	MIMO	2422	RU484	Left	1	38.010	Pass
802.11ax (HEW40)		2437	RU484	Left	1	37.972	Pass
(HEVV40)		2452	RU484	Left	1	38.062	Pass



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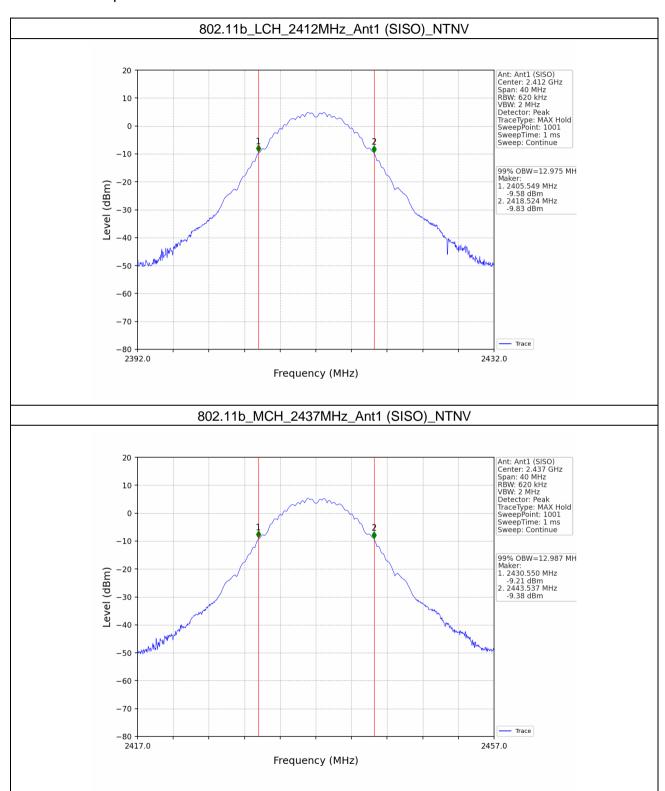
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#### 2.1.2 Test Graph





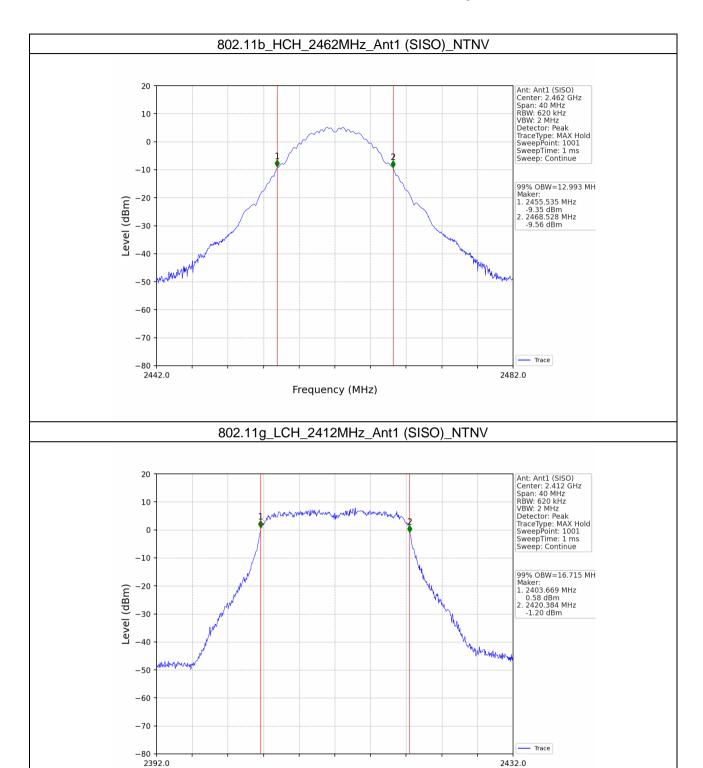
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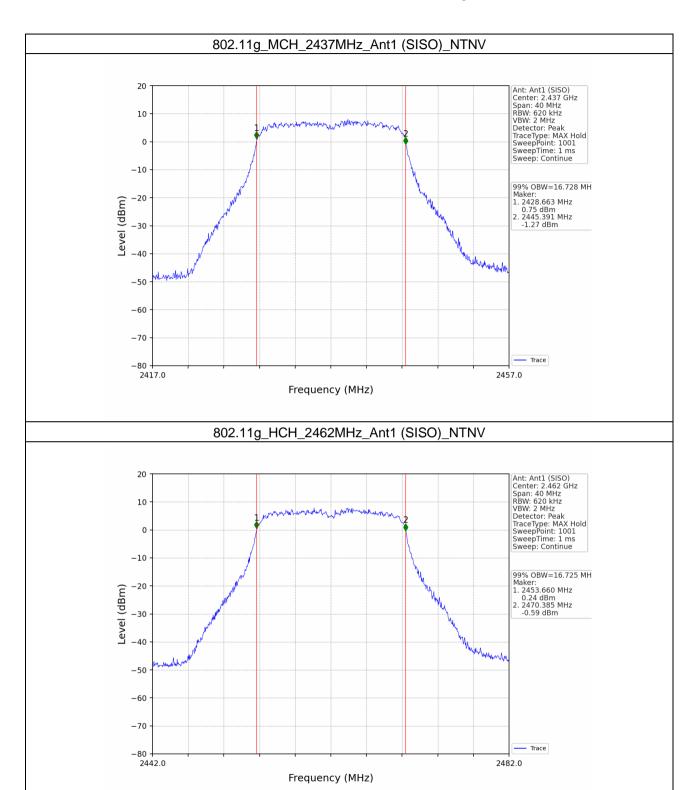
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Frequency (MHz)



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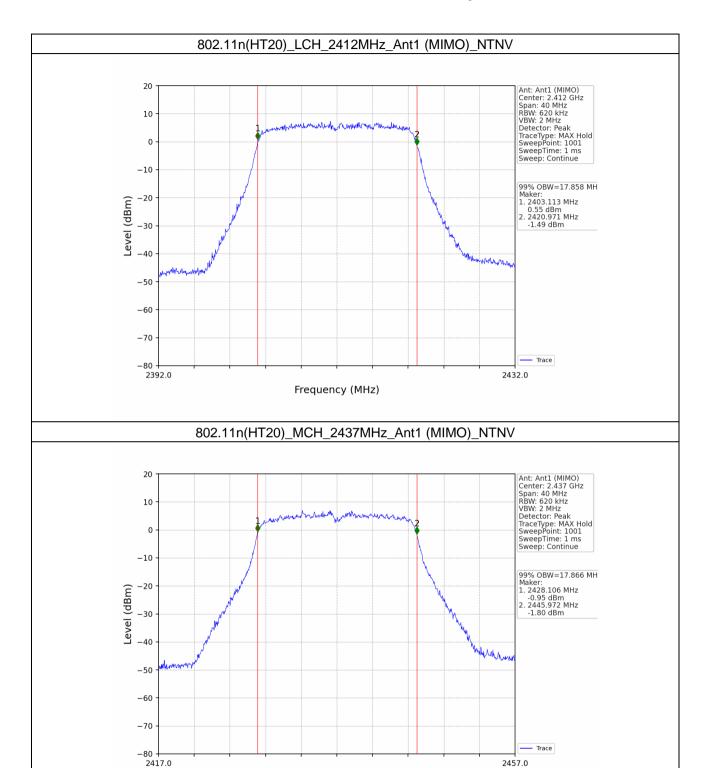


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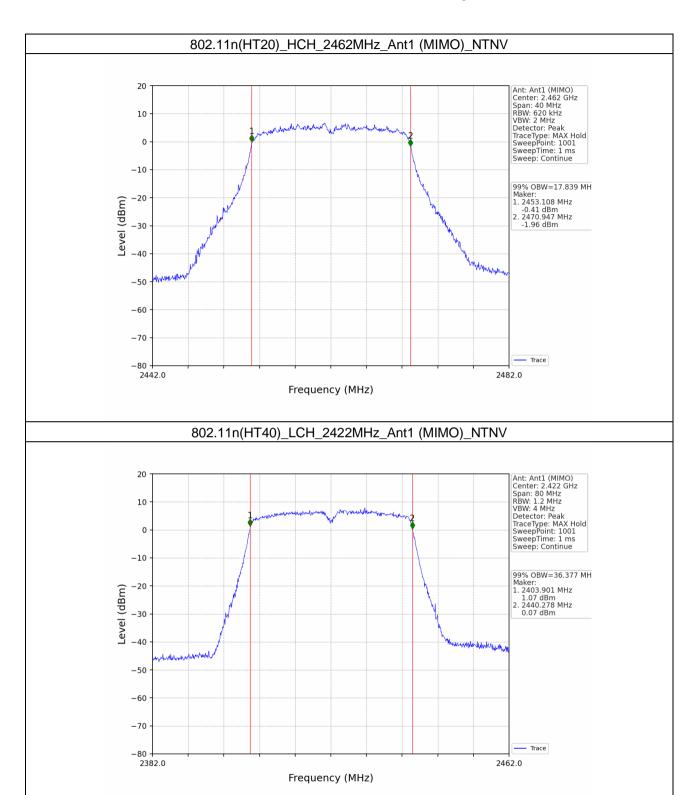
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Frequency (MHz)



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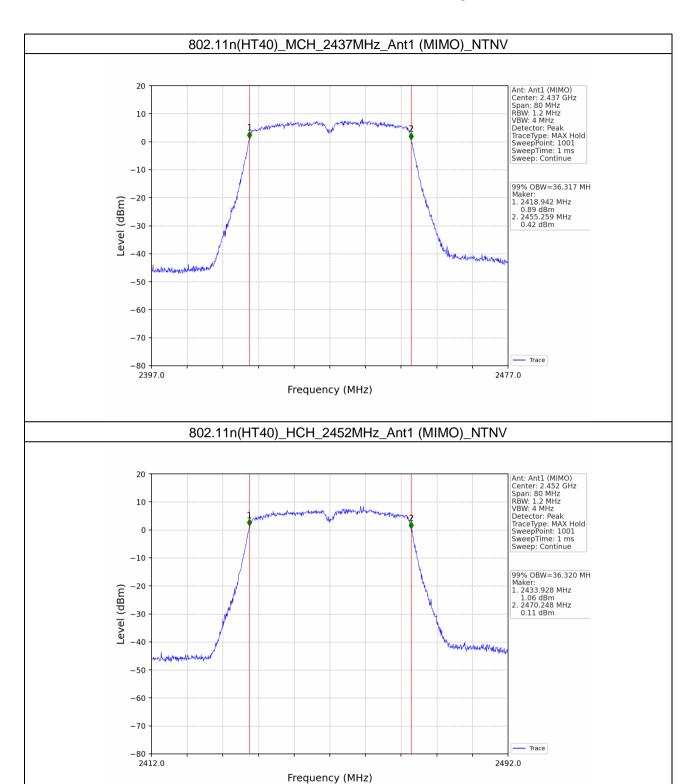


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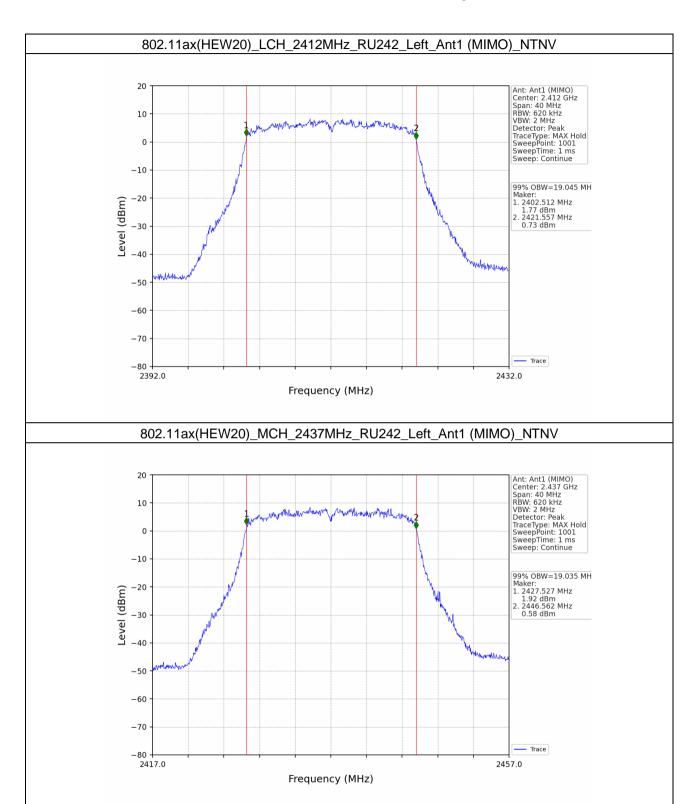


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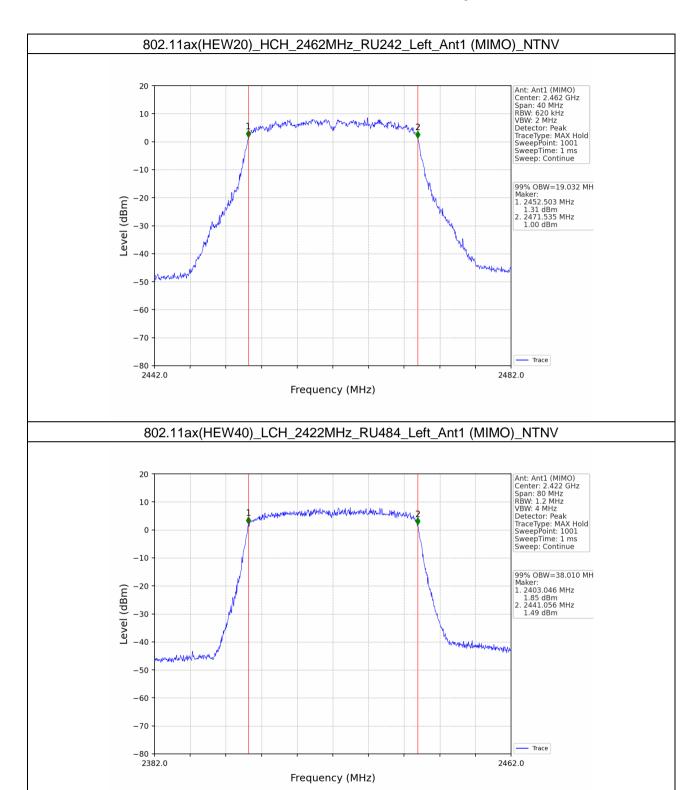


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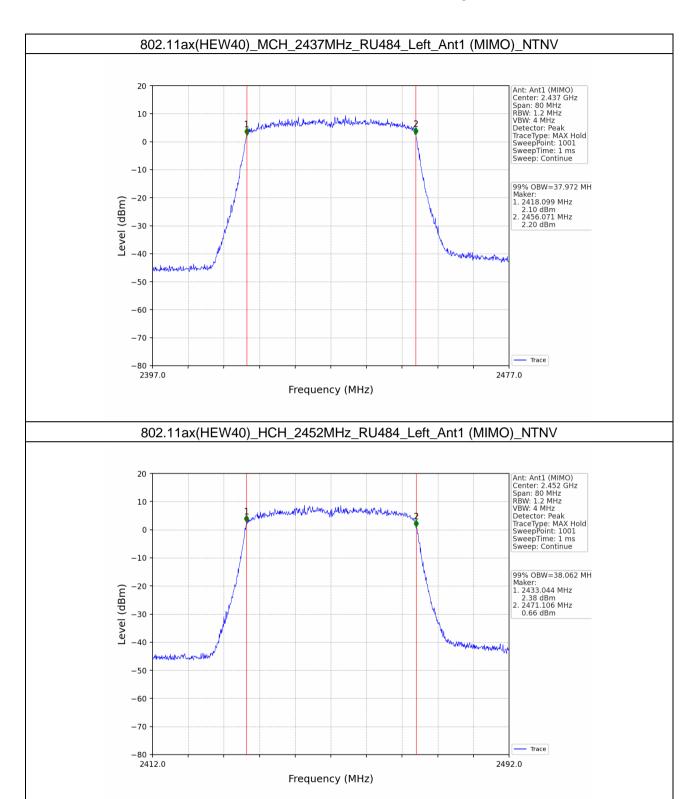


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#### 2.2 6dB BW

#### 2.2.1 Test Result

Mode	TX Type	Frequency	RU	RU Pos	ANT	6dB Bandv	6dB Bandwidth (MHz)		
IVIOGE		(MHz)			AINT	Result	Limit	Verdict	
		2412	/	/	1	8.099	>=0.5	Pass	
802.11b	SISO	2437	/	/	1	8.101	>=0.5	Pass	
		2462	/	/	1	8.099	>=0.5	Pass	
		2412	/	/	1	16.053	>=0.5	Pass	
802.11g	SISO	2437	/	/	1	16.301	>=0.5	Pass	
		2462	/	/	1	15.950	>=0.5	Pass	
000.44	МІМО	2412	/	/	1	17.610	>=0.5	Pass	
802.11n (HT20)		2437	/	/	1	16.560	>=0.5	Pass	
(11120)		2462	/	/	1	16.980	>=0.5	Pass	
000.44	МІМО	2422	/	/	1	35.712	>=0.5	Pass	
802.11n (HT40)		2437	/	/	1	35.743	>=0.5	Pass	
(11140)		2452	/	/	1	35.945	>=0.5	Pass	
000.44		2412	RU242	Left	1	18.541	>=0.5	Pass	
802.11ax (HEW20)	MIMO	2437	RU242	Left	1	18.235	>=0.5	Pass	
(1127720)		2462	RU242	Left	1	18.388	>=0.5	Pass	
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	37.824	>=0.5	Pass	
		2437	RU484	Left	1	37.912	>=0.5	Pass	
		2452	RU484	Left	1	37.789	>=0.5	Pass	



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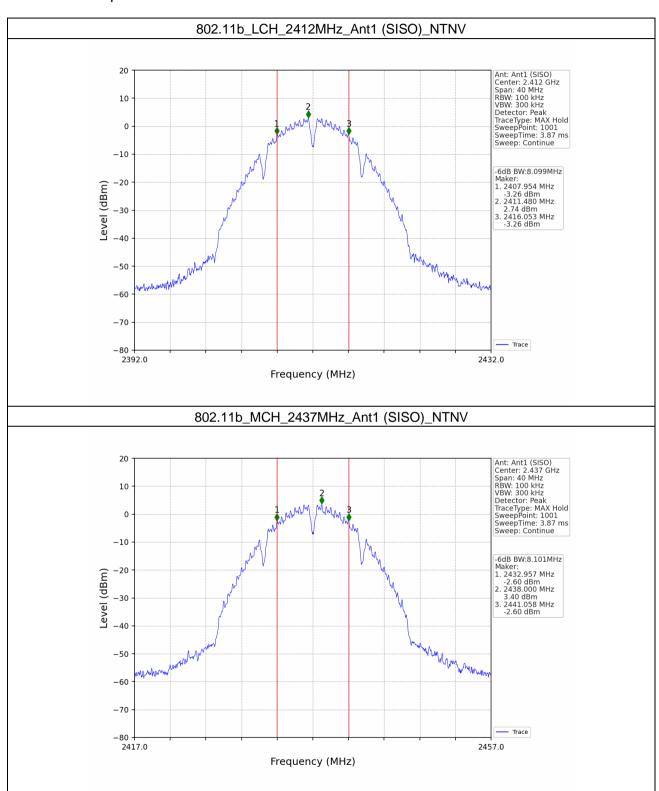
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#### 2.2.2 Test Graph





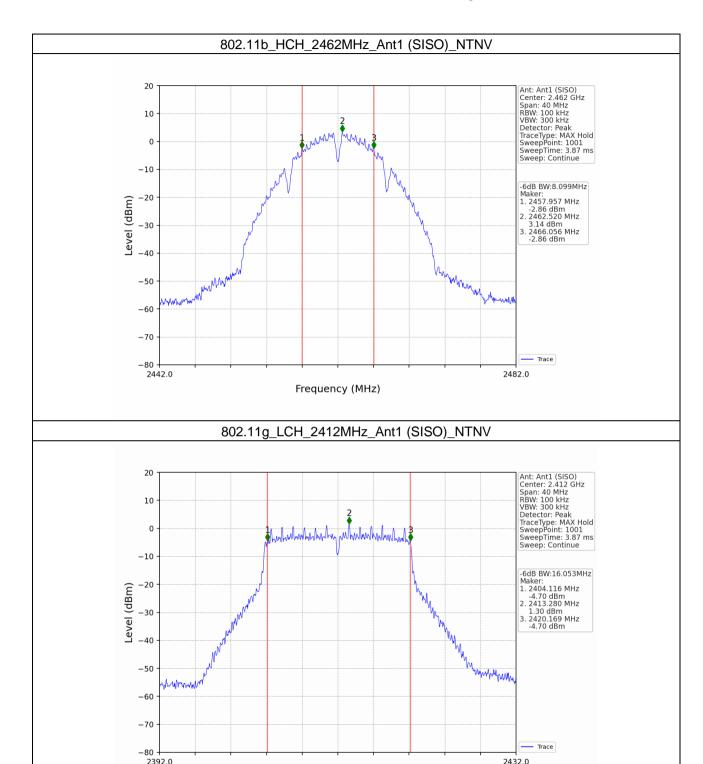
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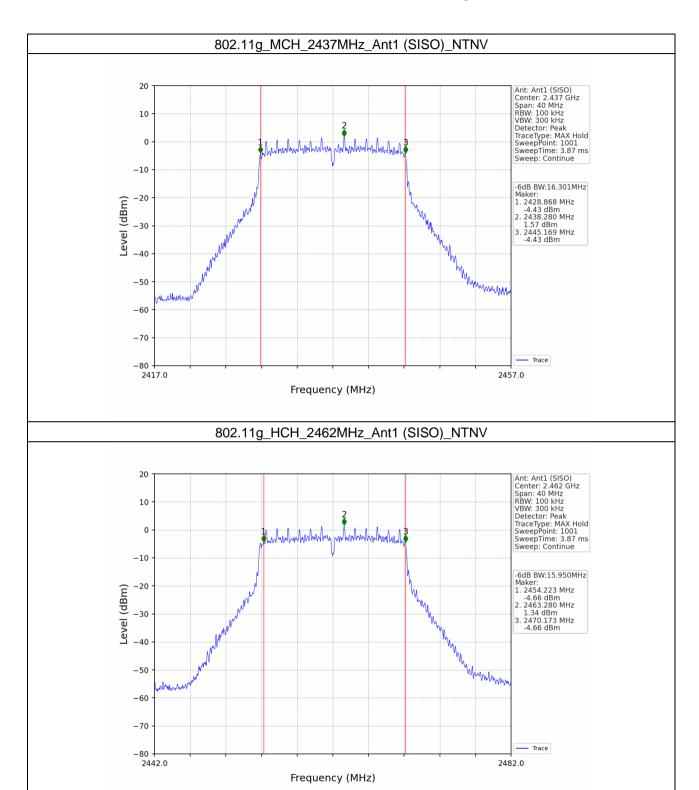
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Frequency (MHz)



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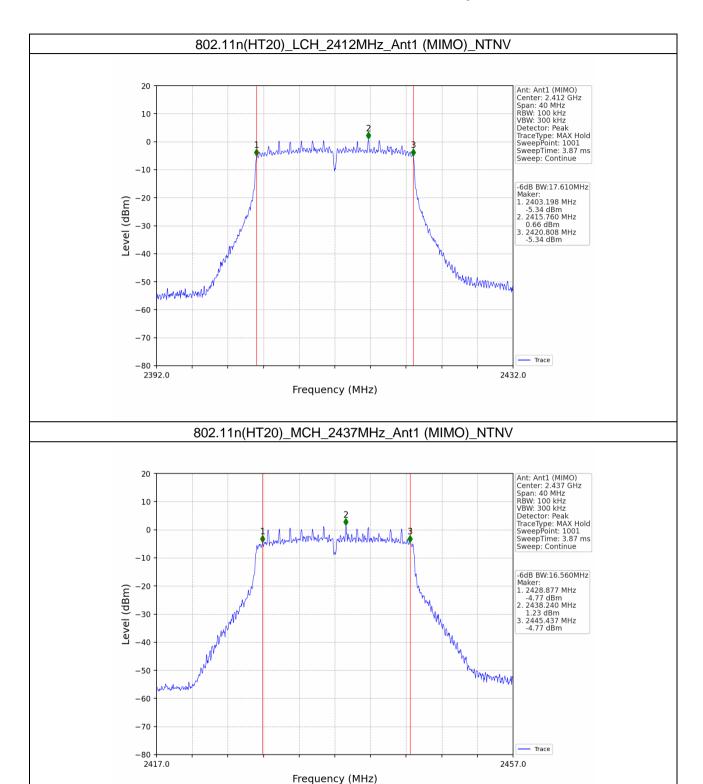
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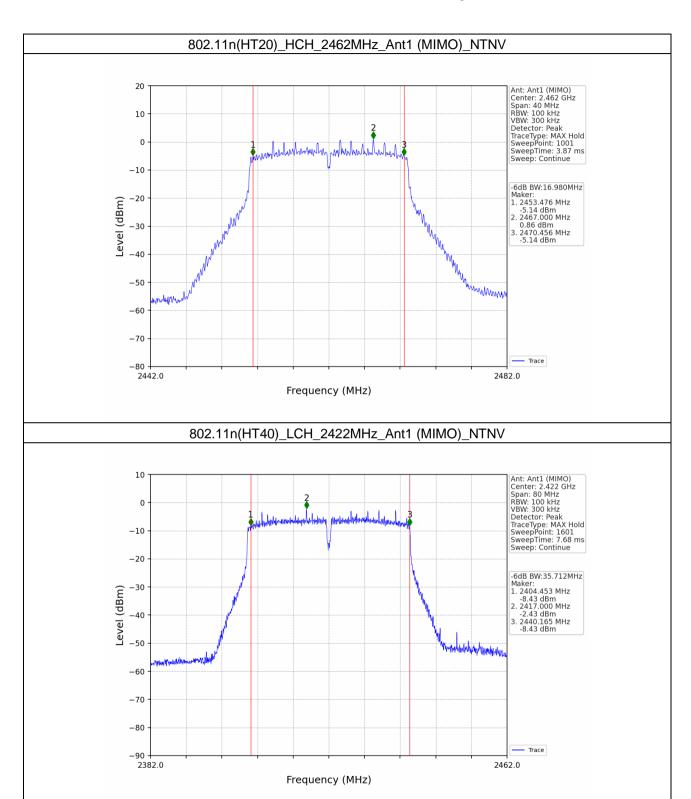
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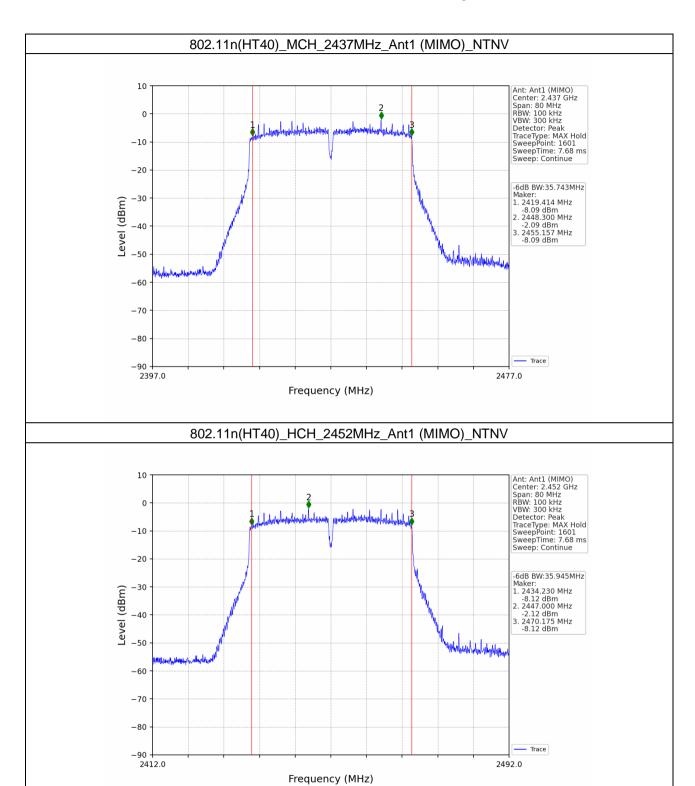
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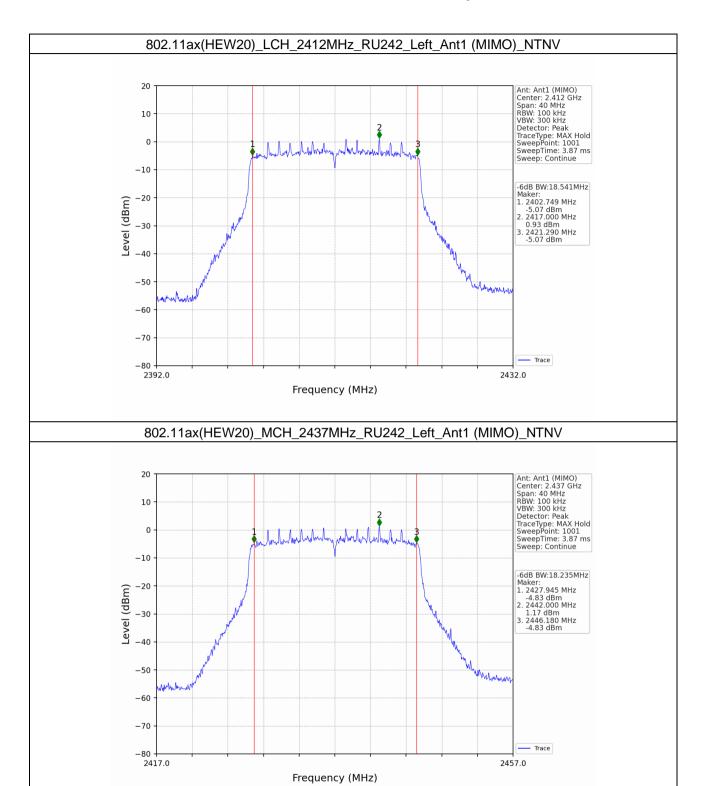


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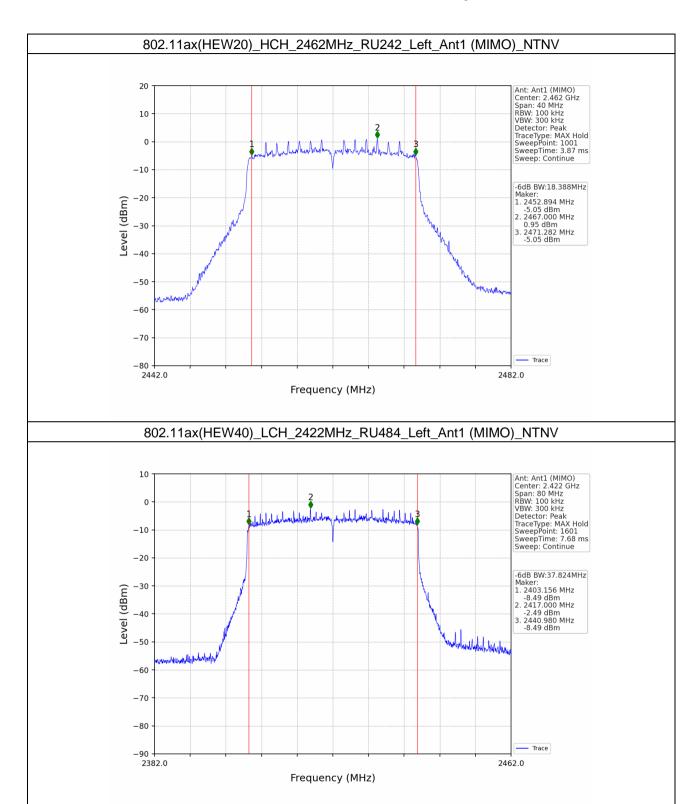
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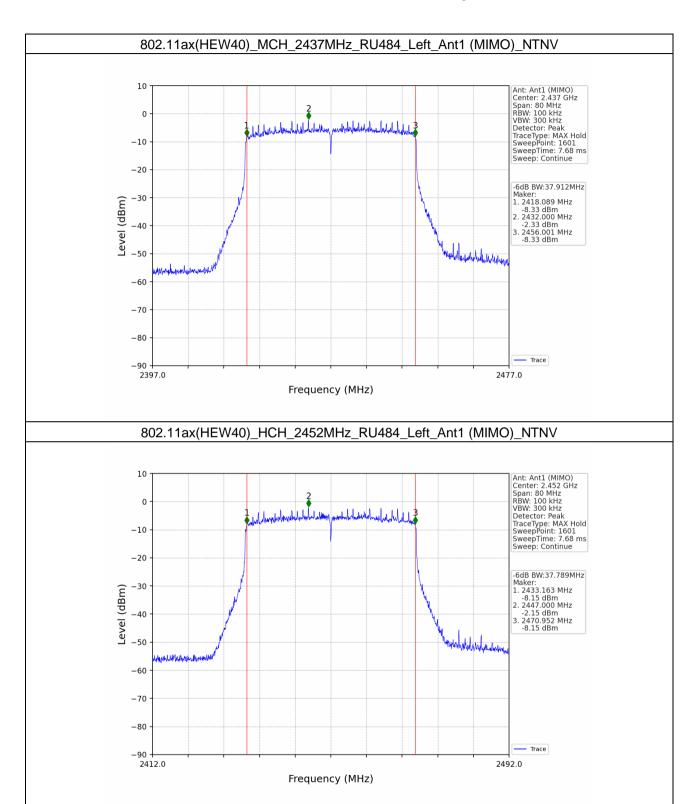


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#### 3. Maximum Conducted Output Power

#### 3.1 Power

#### 3.1.1 Test Result

Mada	TX	Frequency (MHz)	DII	RU	Maximum A	Vordict			
Mode	Type		RU	Pos	ANT1	ANT2	MIMO	Limit	Verdict
	SISO	2412	/	/	21.97	22.68	/	<=30	Pass
802.11b		2437	/	/	23.02	23.43	/	<=30	Pass
		2462	/	/	21.35	22.17	/	<=30	Pass
		2412	/	/	19.17	19.51	/	<=30	Pass
802.11g	SISO	2437	/	/	21.12	21.30	/	<=30	Pass
		2462	/	/	19.45	19.90	/	<=30	Pass
000.44	MIMO	2412	/	/	17.87	18.21	21.05	<=29.2	Pass
802.11n (HT20)		2437	/	/	19.98	20.27	23.14	<=29.2	Pass
(H120)		2462	/	/	17.16	17.66	20.43	<=29.2	Pass
	MIMO	2422	/	/	15.53	15.90	18.73	<=29.2	Pass
802.11n (HT40)		2437	/	/	16.71	17.08	19.91	<=29.2	Pass
(11140)		2452	/	/	13.96	14.29	17.14	<=29.2	Pass
	MIMO	2412	RU242	Left	17.73	18.04	20.90	<=29.2	Pass
802.11ax (HEW20)		2437	RU242	Left	19.64	20.05	22.86	<=29.2	Pass
(116 4420)		2462	RU242	Left	17.12	17.57	20.36	<=29.2	Pass
222.44	MIMO	2422	RU484	Left	15.15	15.24	18.21	<=29.2	Pass
802.11ax (HEW40)		2437	RU484	Left	16.26	16.53	19.41	<=29.2	Pass
(112 77-0)		2452	RU484	Left	13.32	13.67	16.51	<=29.2	Pass

Note1: Antenna Gain: Antenna 1&2:3.79dBi

Note2: Directional Gain=GAnt+10log (NAnt) dBi = 3.79+10log (2) dBi = 6.8dBi.



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#### 4. Maximum Power Spectral Density

#### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ма	Verdict			
					ANT1	ANT2	MIMO	Limit	verdict
		2412	/	/	0.65	1.14	/	<=8	Pass
802.11b	SISO	2437	/	/	2.47	0.29	/	<=8	Pass
		2462	/	/	-0.32	0.91	/	<=8	Pass
		2412	/	/	-5.60	-6.42	/	<=8	Pass
802.11g	SISO	2437	/	/	-4.01	-3.58	/	<=8	Pass
		2462	/	/	-4.96	-5.83	/	<=8	Pass
000.44	MIMO	2412	/	/	-9.54	-8.41	-5.97	<=8	Pass
802.11n (HT20)		2437	/	/	-7.07	-7.62	-4.65	<=8	Pass
(11120)		2462	/	/	-10.29	-8.96	-7.31	<=8	Pass
000.44	MIMO	2422	/	/	-14.53	-12.78	-10.86	<=8	Pass
802.11n (HT40)		2437	/	/	-12.91	-11.01	-8.85	<=8	Pass
(11140)		2452	/	/	-16.21	-15.65	-13.30	<=8	Pass
000.44	MIMO	2412	RU242	Left	-9.75	-9.65	-6.95	<=8	Pass
802.11ax (HEW20)		2437	RU242	Left	-8.12	-7.44	-5.69	<=8	Pass
(1127720)		2462	RU242	Left	-10.37	-10.19	-8.19	<=8	Pass
000.44	MIMO	2422	RU484	Left	-14.51	-13.74	-11.93	<=8	Pass
802.11ax (HEW40)		2437	RU484	Left	-12.90	-12.58	-11.02	<=8	Pass
		2452	RU484	Left	-15.65	-16.12	-13.63	<=8	Pass



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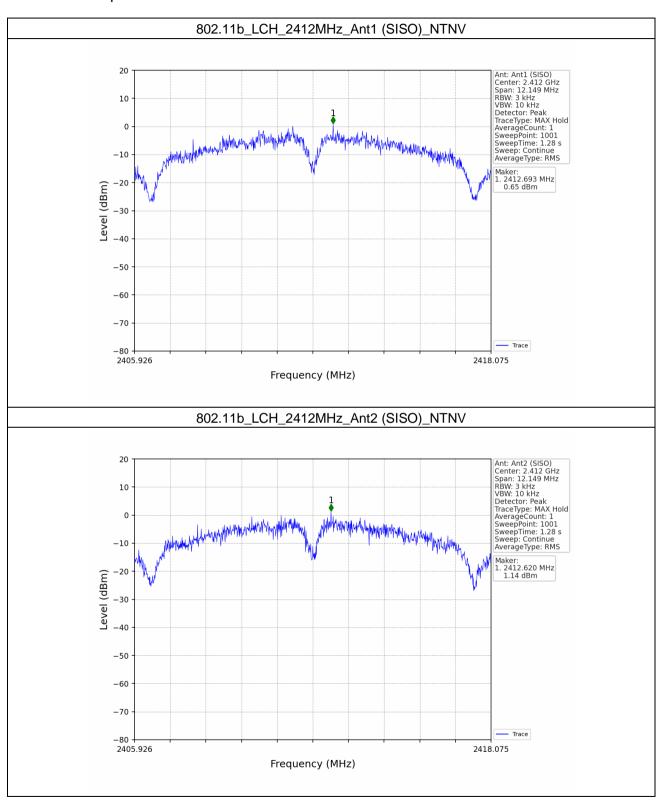
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#### 4.1.2 Test Graph





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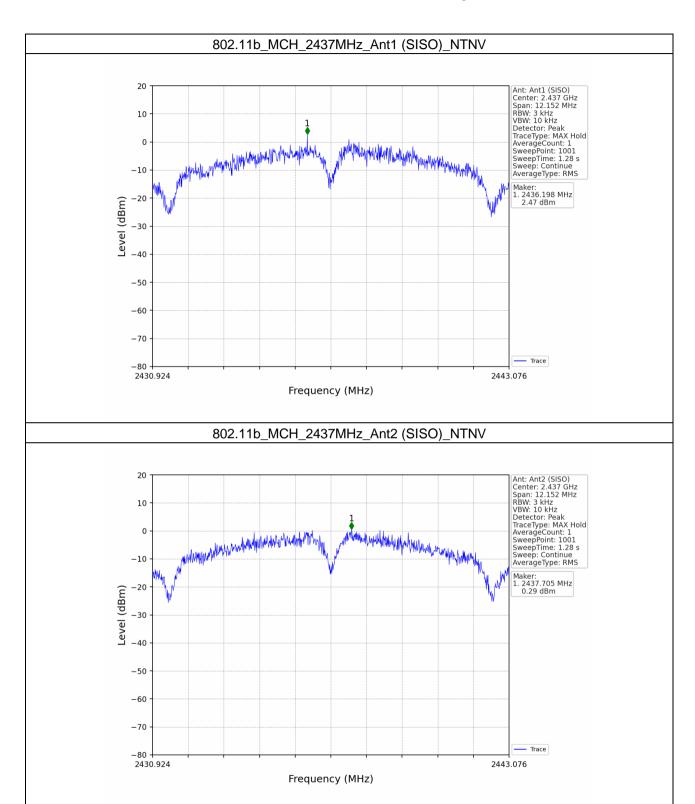
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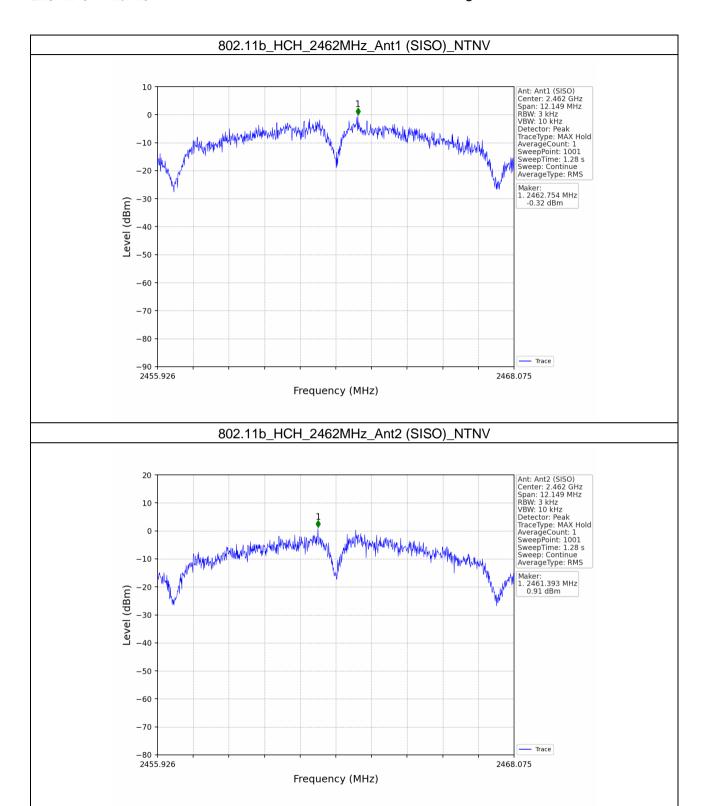
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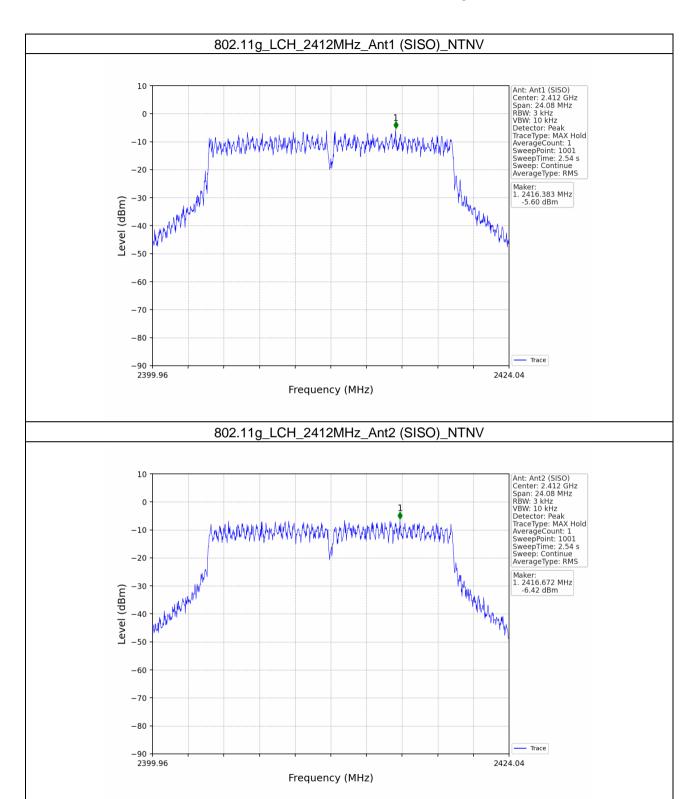
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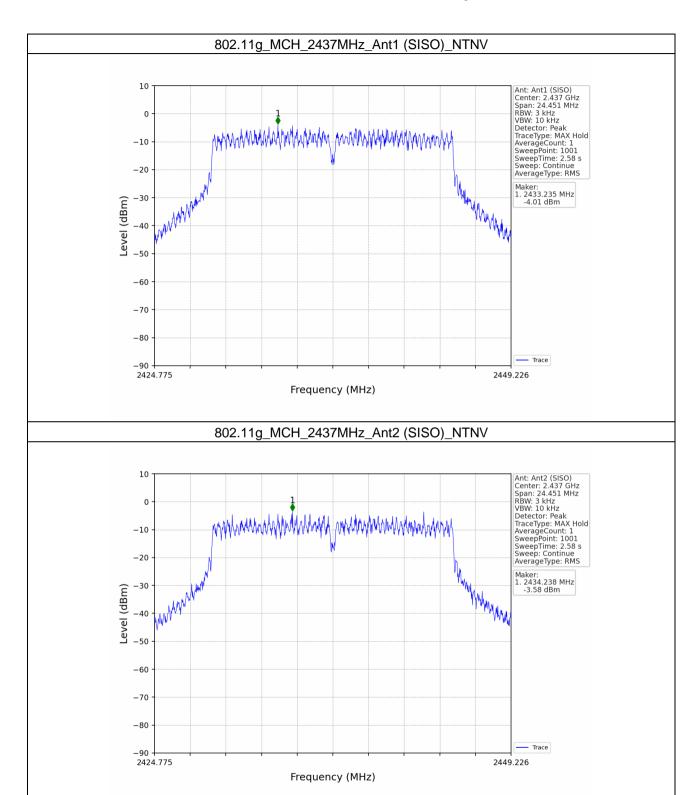
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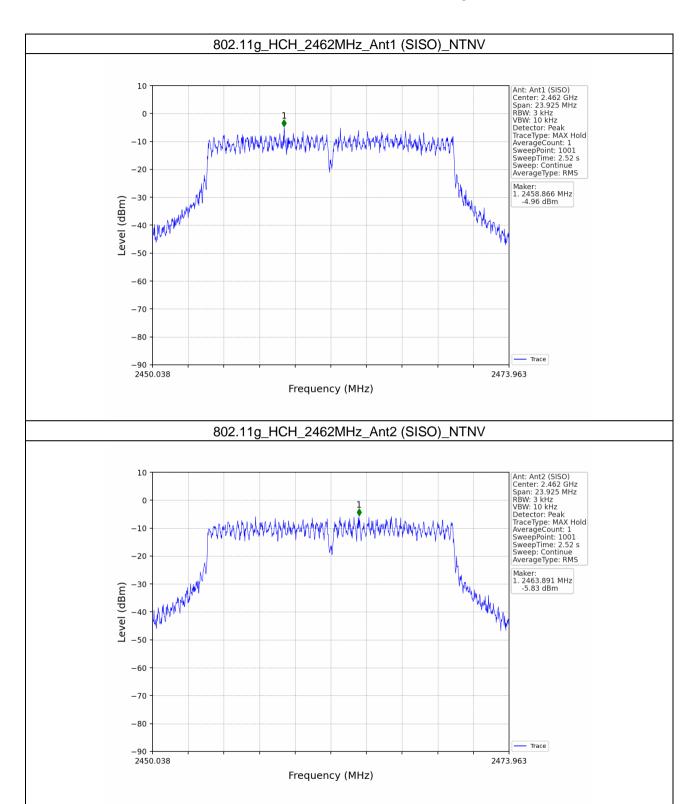
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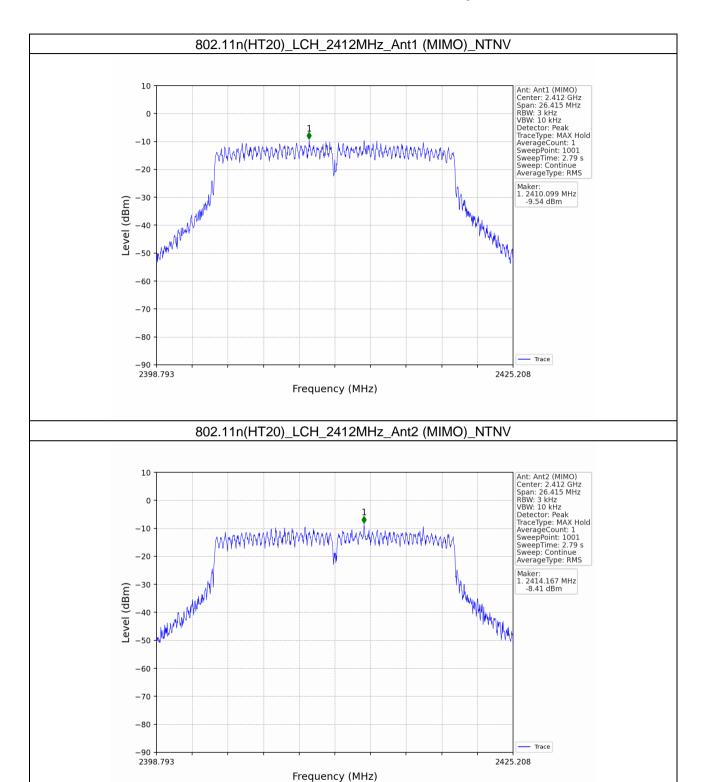
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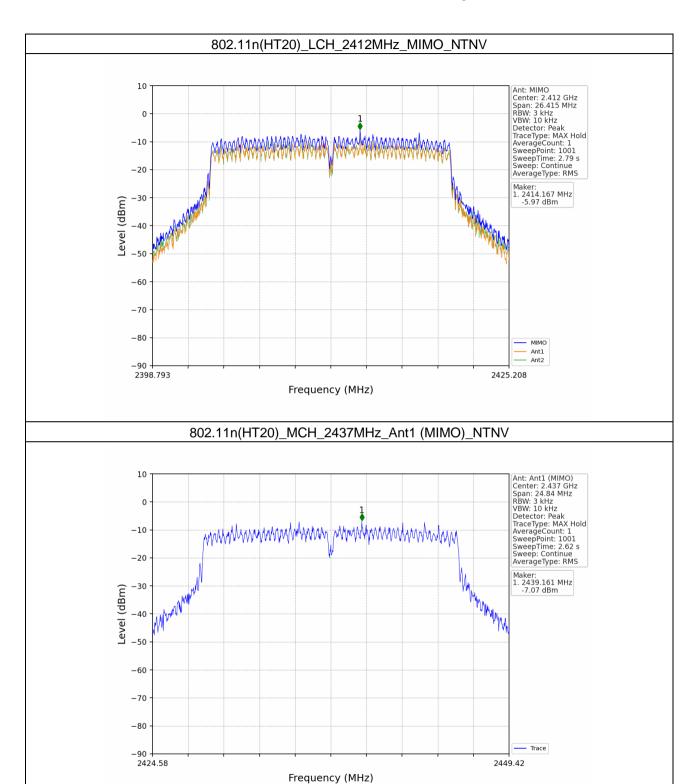
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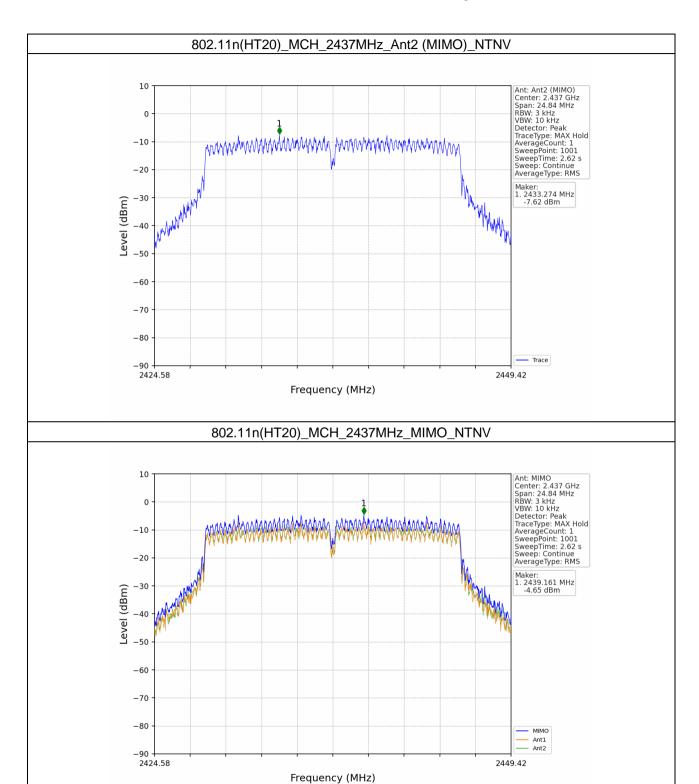


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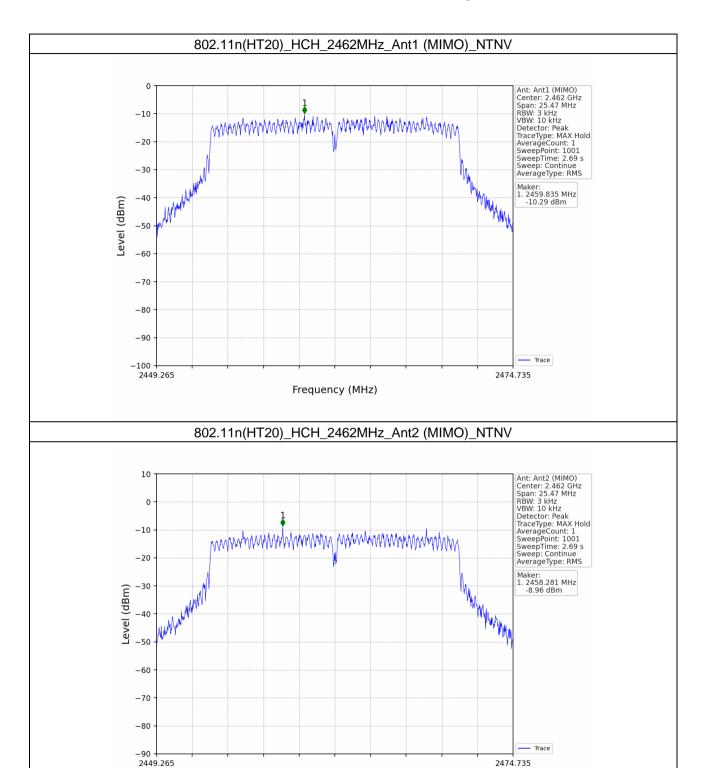
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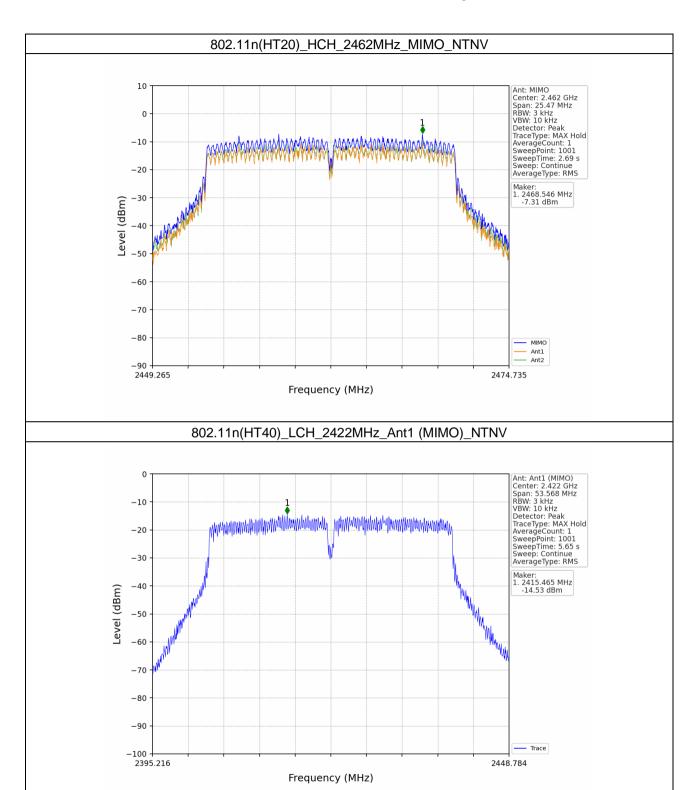
Frequency (MHz)

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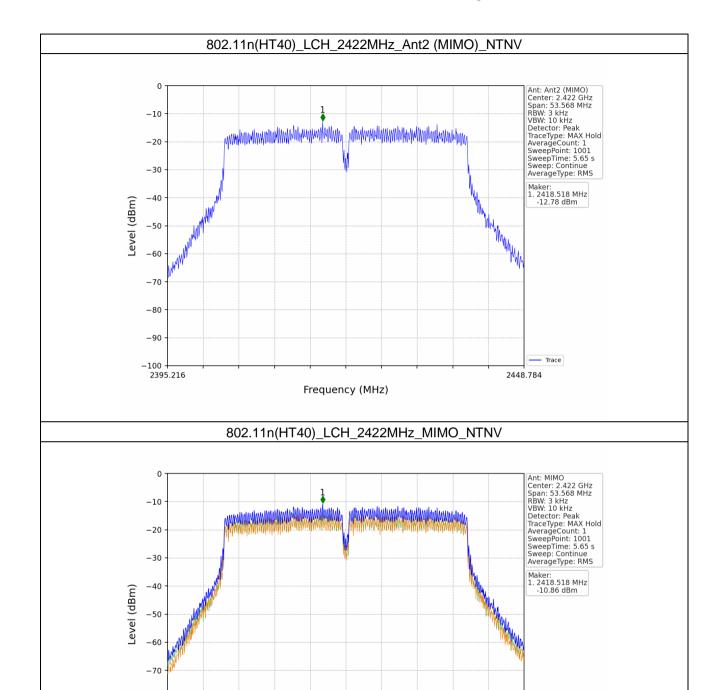


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-80

-90

−100 <del>| −−−</del> 2395.216

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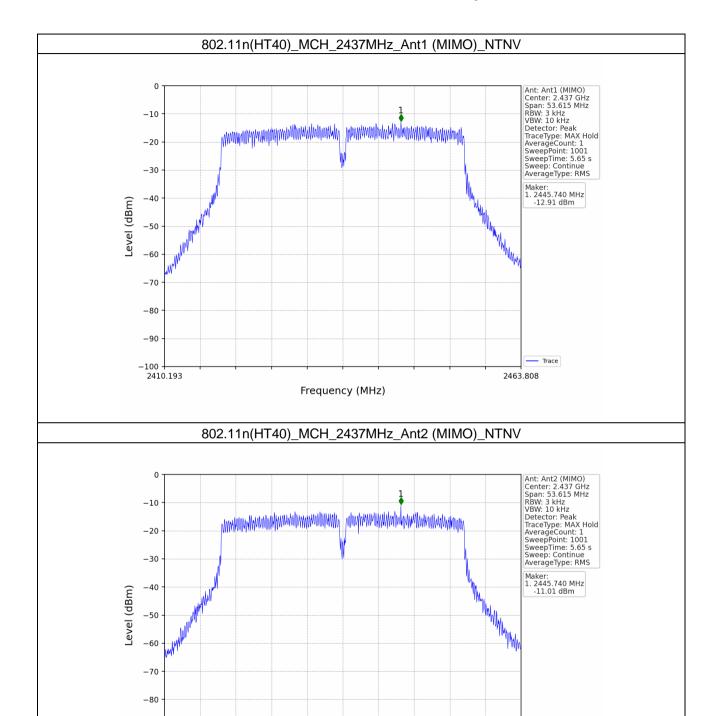
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-90

−100 <del>|</del> 2410.193

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Frequency (MHz)

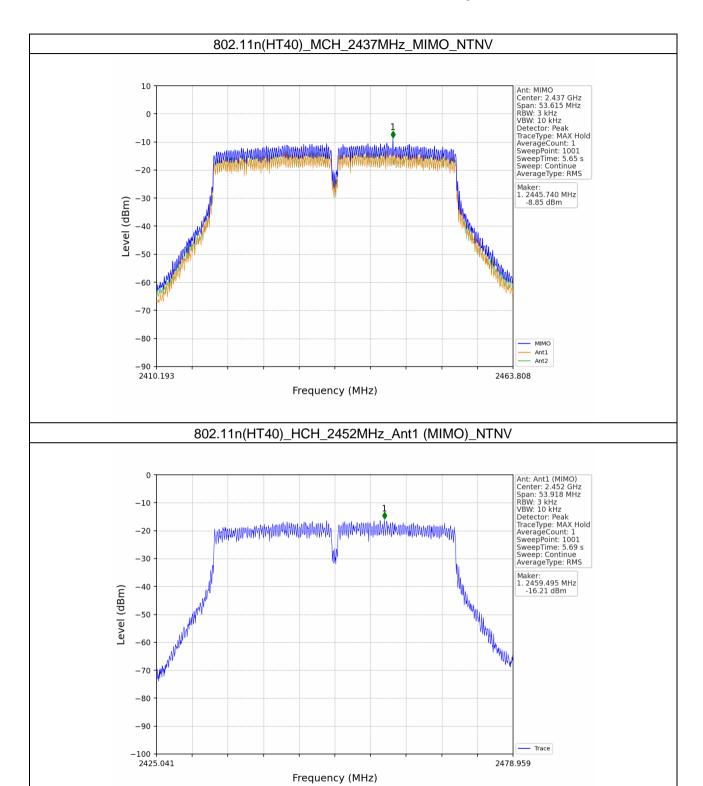
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