

## Shenzhen UnionTrust Quality and Technology Co., Ltd.

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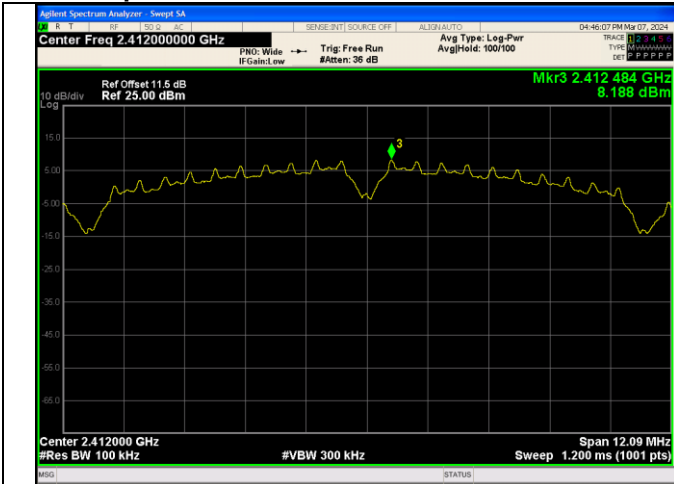
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UTTR-RF-RSS247-V1.1

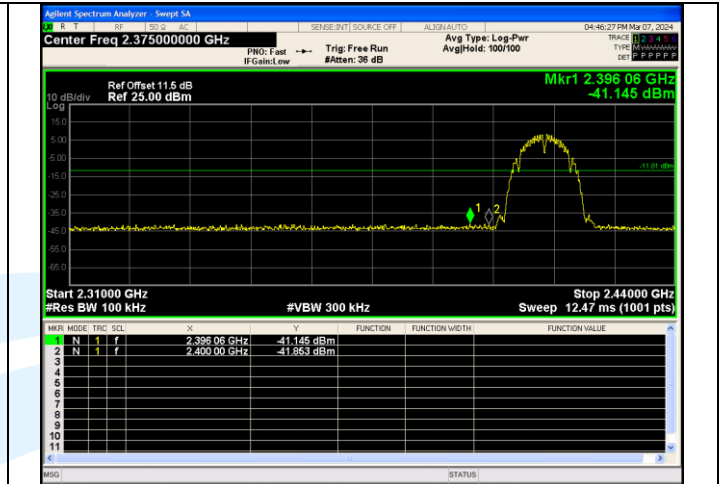
### A.3 CONDUCTED OUT OF BAND EMISSION

Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result			
IEEE 802.11b	1	N/A	0	2400.00	-41.853	-11.81	-30.043	PASS			
				2396.06	-41.145	-11.81	-29.335	PASS			
	4823.70			-42.804	-11.81	-30.994	PASS				
	6			4873.68	-43.696	-12.68	-31.016	PASS			
				11	2483.50	-41.256	-12.96	-28.296	PASS		
24142.3					-43.691	-12.96	-30.731	PASS			
IEEE 802.11g	1			N/A	0	2400.00	-32.760	-14.86	-17.900	PASS	
						2398.01	-31.863	-14.86	-17.003	PASS	
	6					24438.8	-44.218	-14.86	-29.358	PASS	
						11	24370.7	-43.686	-14.73	-28.956	PASS
							2483.50	-40.693	-14.83	-25.863	PASS
IEEE 802.11n_20	1	SU	0			24941.3	-43.973	-14.83	-29.143	PASS	
						2400.00	-33.422	-15.25	-18.172	PASS	
	6					24440.0	-43.215	-15.25	-27.965	PASS	
11						24984.4	-42.905	-15.57	-27.335	PASS	
						2483.50	-41.110	-15.28	-25.830	PASS	
IEEE 802.11n_40	3					SU	0	24352.0	-43.628	-15.28	-28.348
				2400.00	-39.631			-18.61	-21.021	PASS	
	6			2396.97	-36.044			-18.61	-17.434	PASS	
				9	24367.0			-42.999	-18.61	-24.389	PASS
					24237.8			-44.147	-18.41	-25.737	PASS
IEEE 802.11ax_20	1			SU	0			2483.50	-42.028	-18.25	-23.778
		24412.6	-43.573					-18.25	-25.323	PASS	
	6	2400.00	-34.058					-16.98	-17.078	PASS	
		11	24211.6					-44.224	-16.98	-27.244	PASS
			24232.8					-44.203	-17.08	-27.123	PASS
IEEE 802.11ax_40	3	SU	0					2483.50	-42.031	-17.18	-24.851
						24993.1	-43.797	-17.18	-26.617	PASS	
	6					2400.00	-37.566	-18.92	-18.646	PASS	
						9	2397.88	-37.390	-18.92	-18.470	PASS
							24481.2	-44.190	-18.92	-25.270	PASS
IEEE 802.11ax_40	6					SU	0	24857.7	-44.119	-18.8	-25.319
				9	2483.50			-42.229	-19.42	-22.809	PASS
	24974.4				-43.419			-19.42	-23.998	PASS	

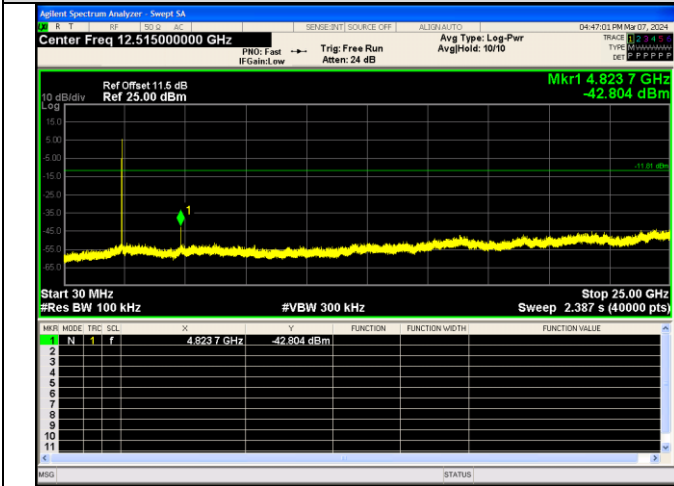
## Test Graphs



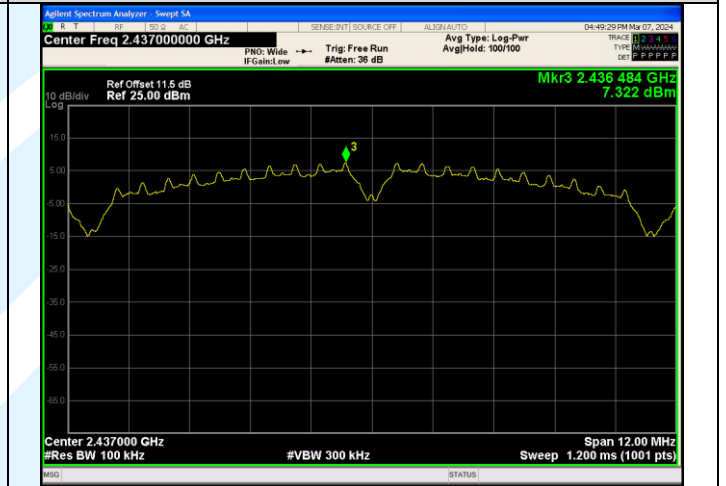
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IEEE 802.11b Channel 1 20MHz Antenna 0



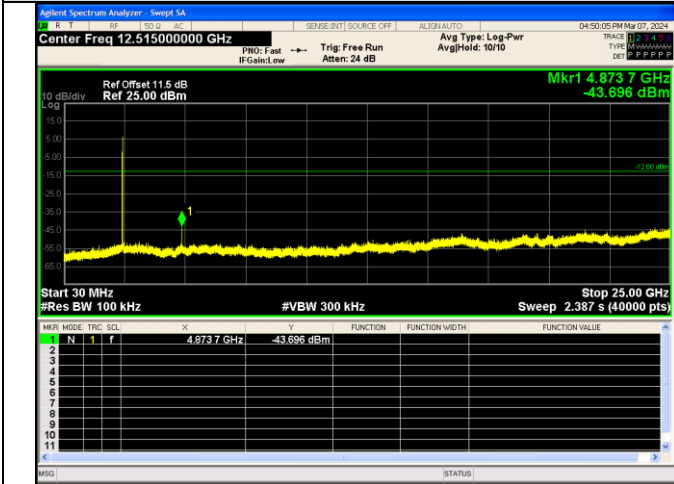
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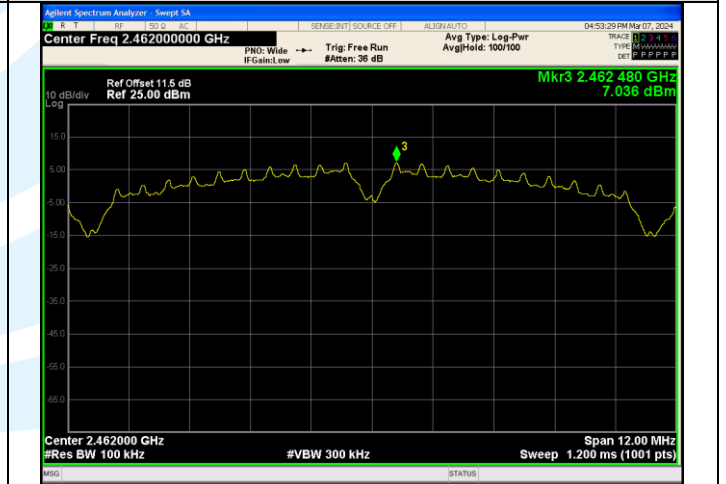
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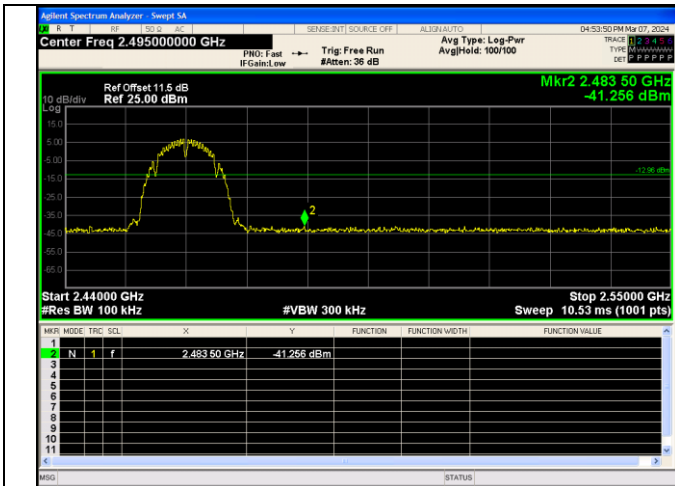
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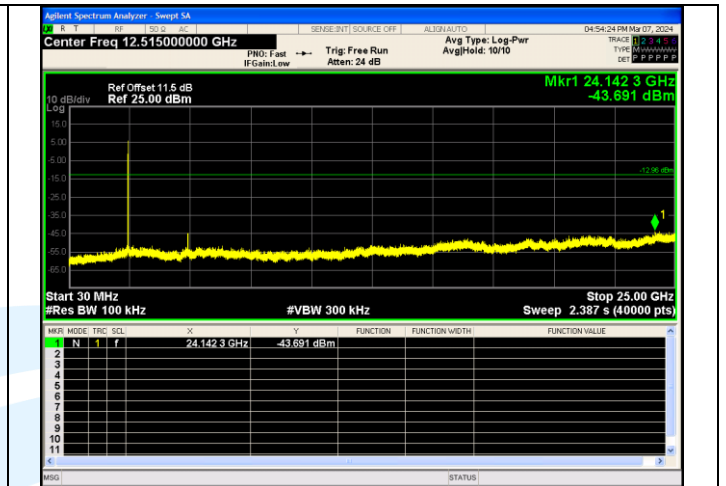
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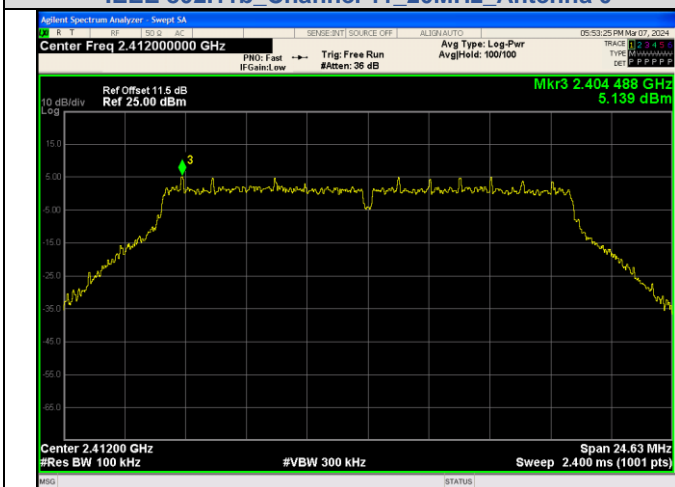
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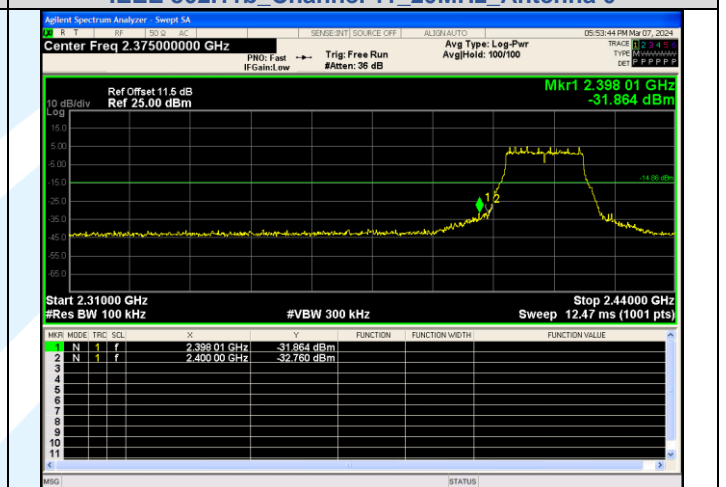
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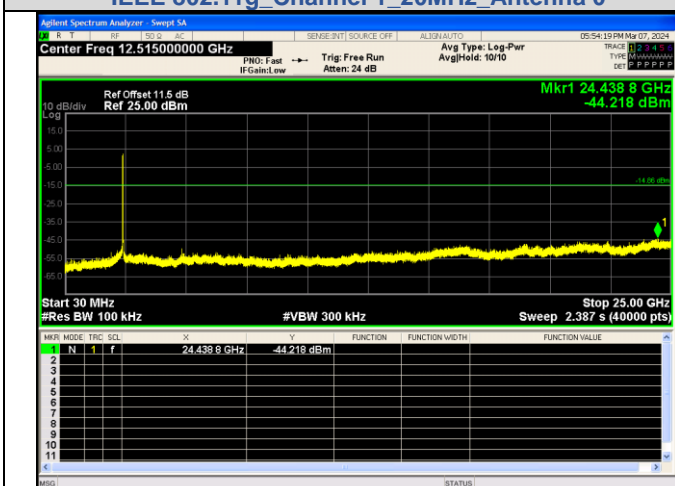
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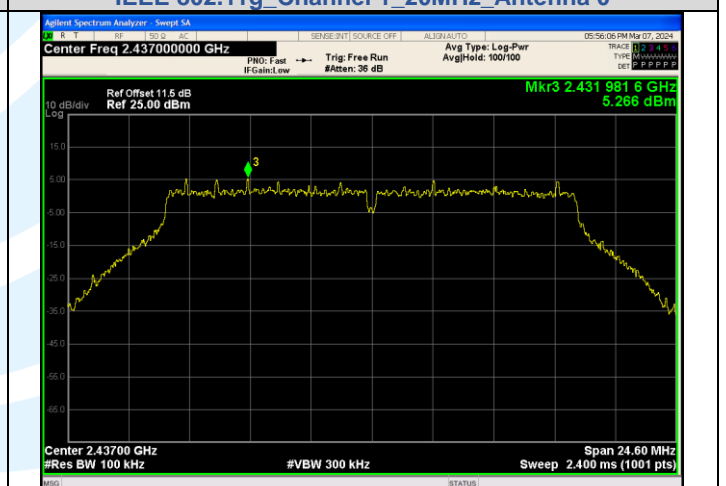
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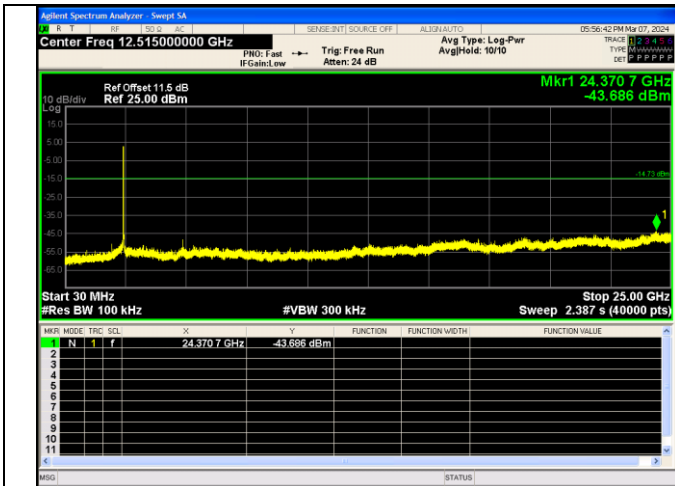
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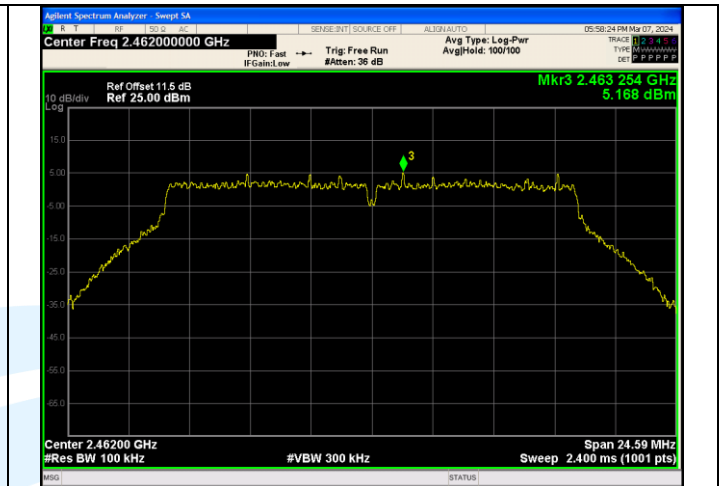
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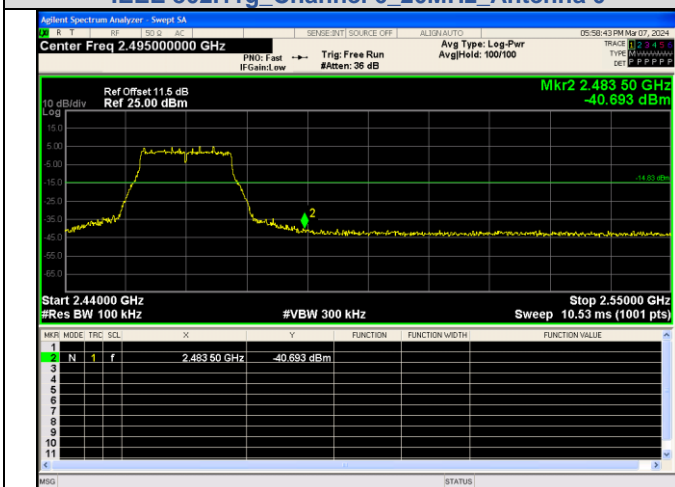
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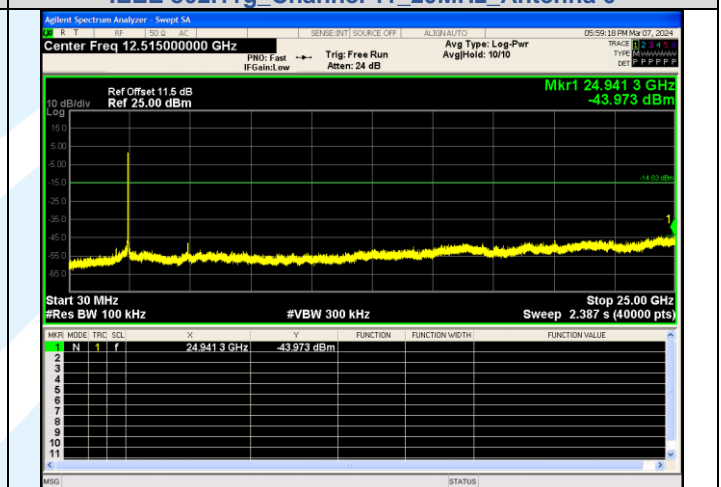
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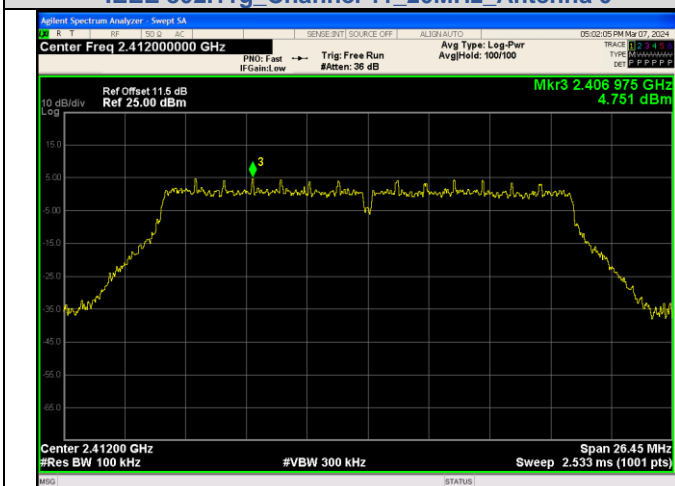
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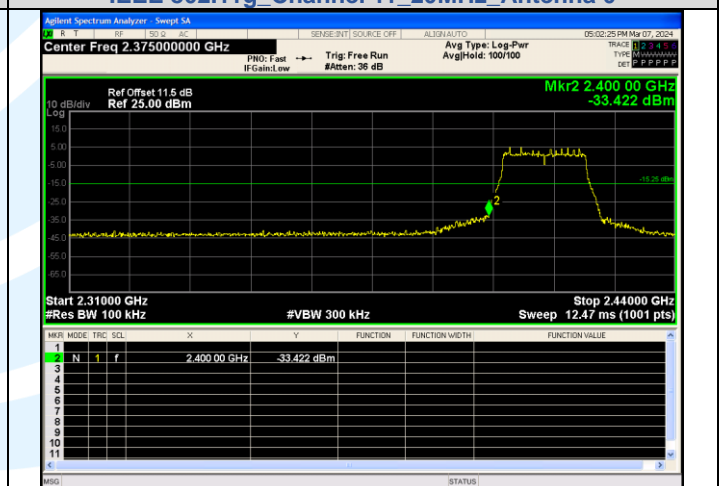
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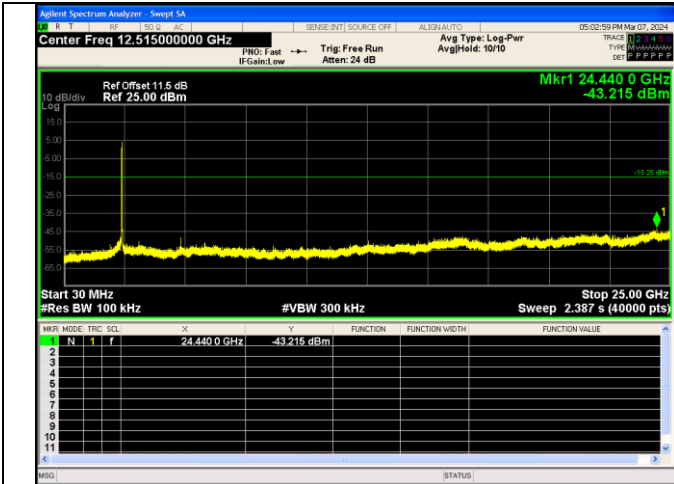
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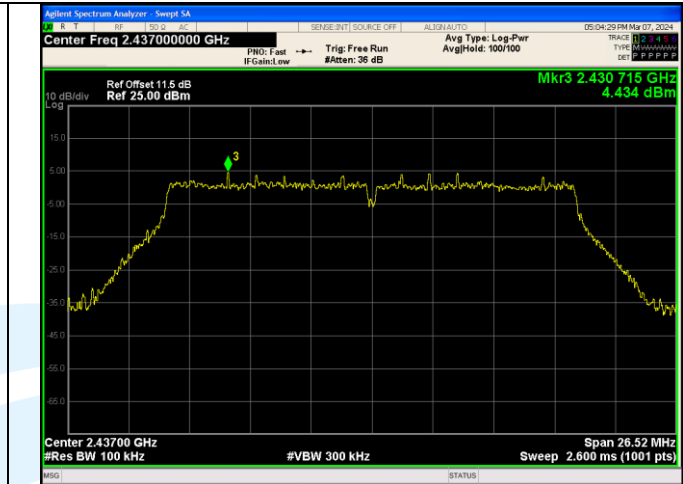
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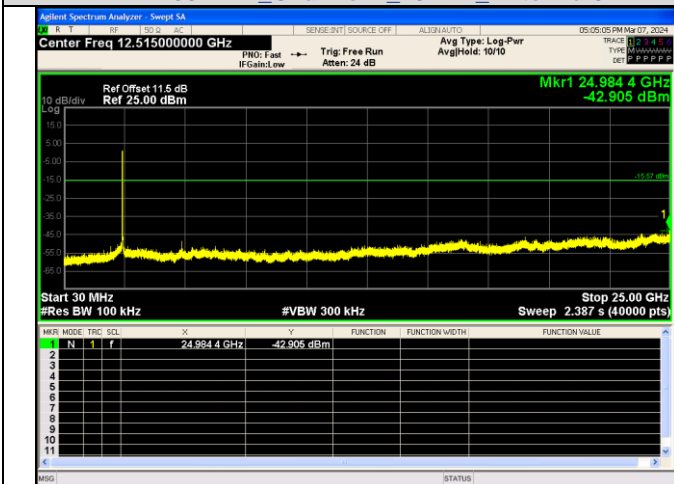
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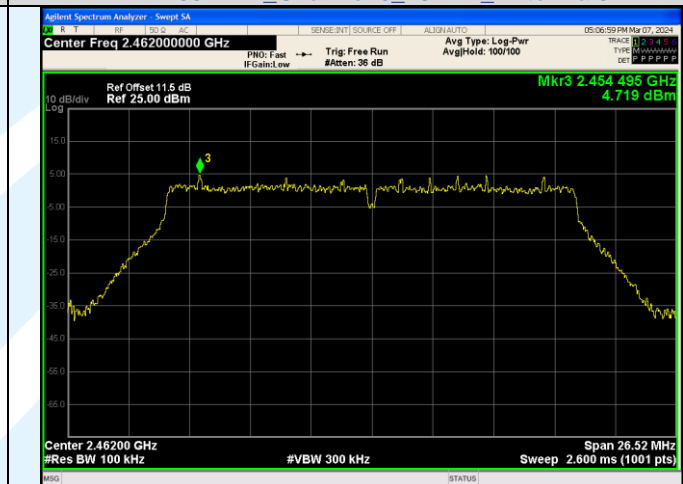
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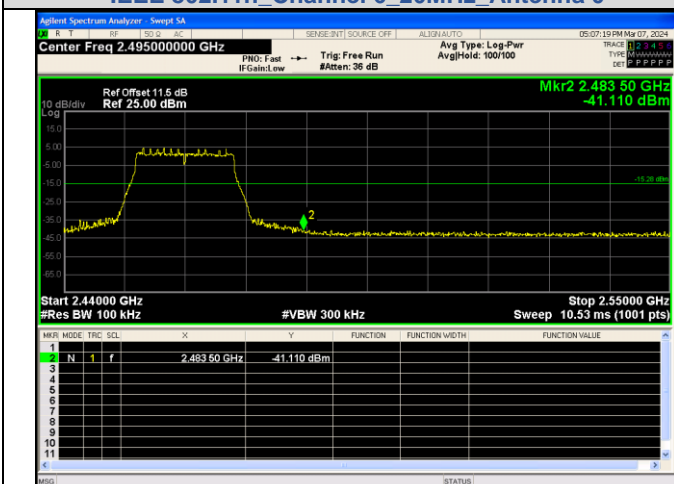
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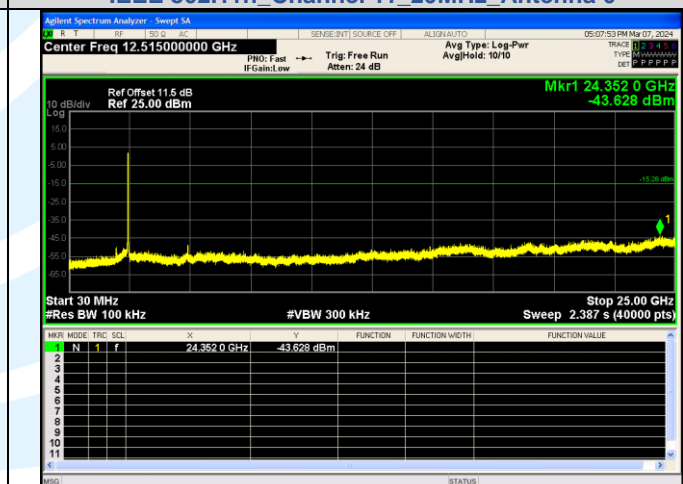
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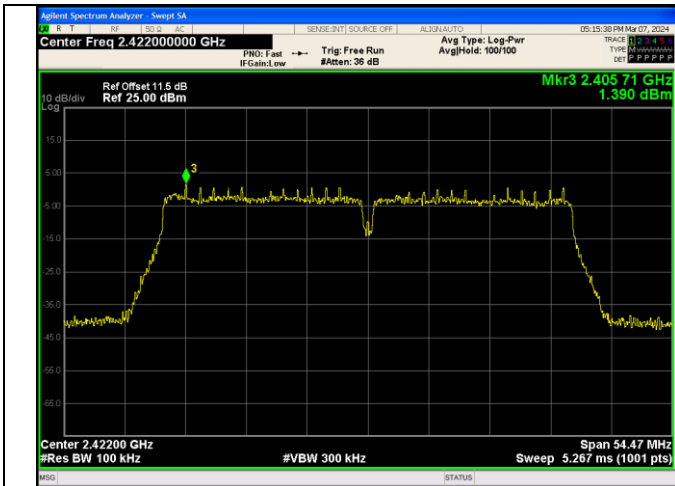
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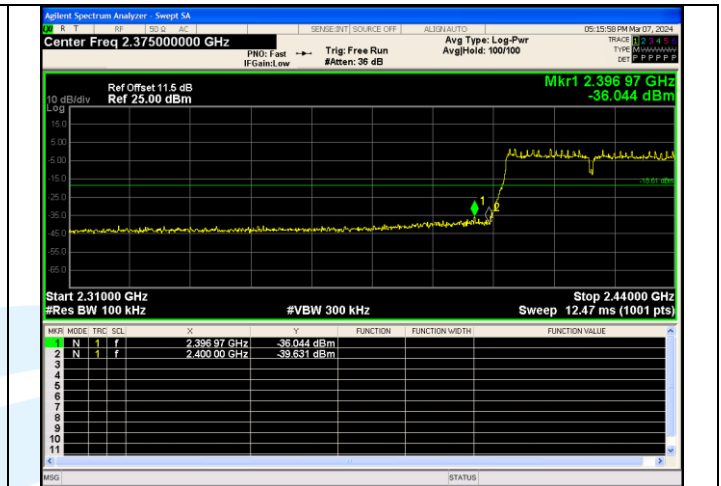
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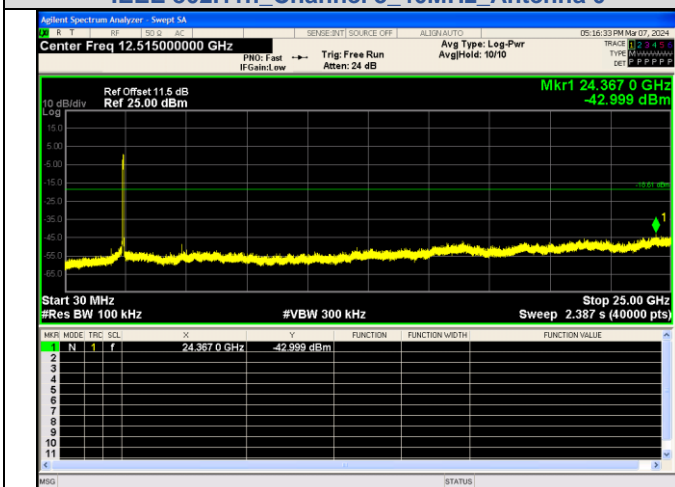
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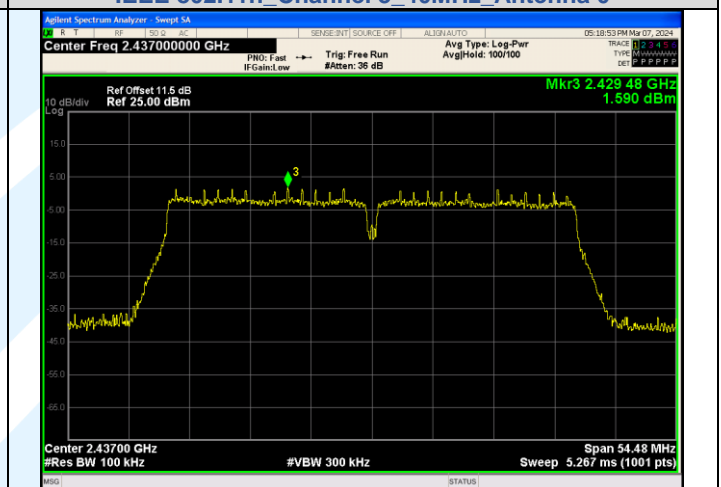
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**IEEE 802.11n Channel 3 40MHz Antenna 0**



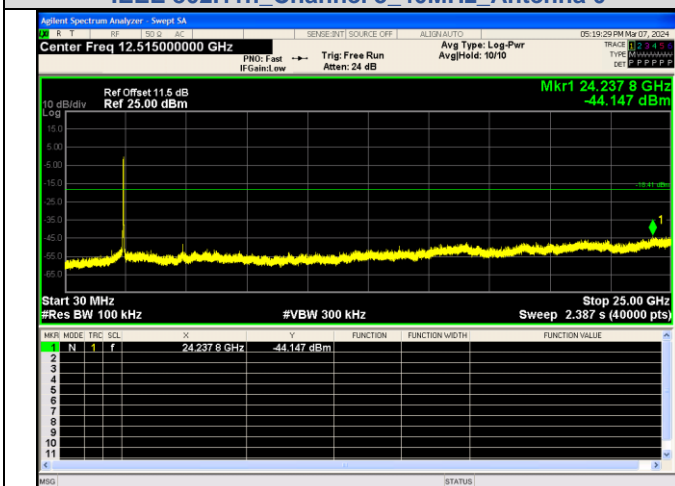
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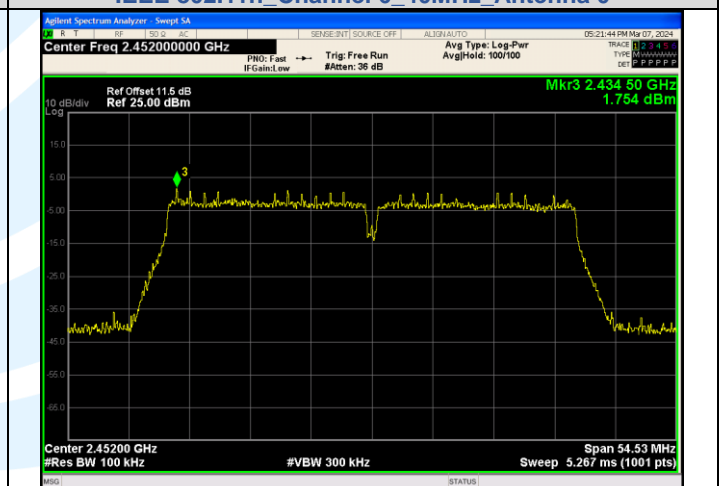
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**IEEE 802.11n Channel 3 40MHz Antenna 0**



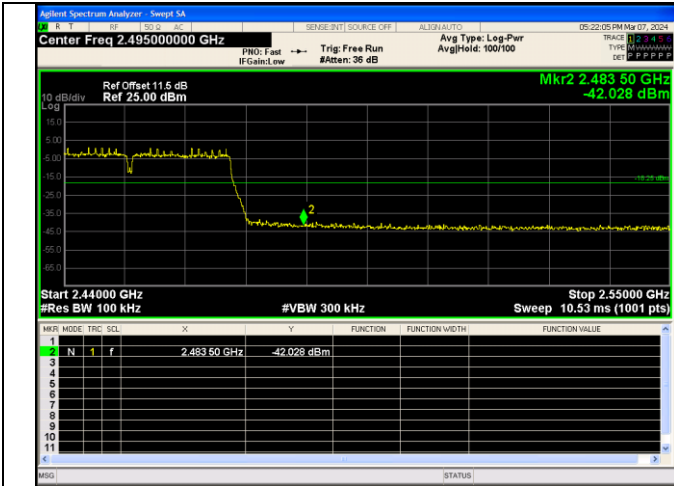
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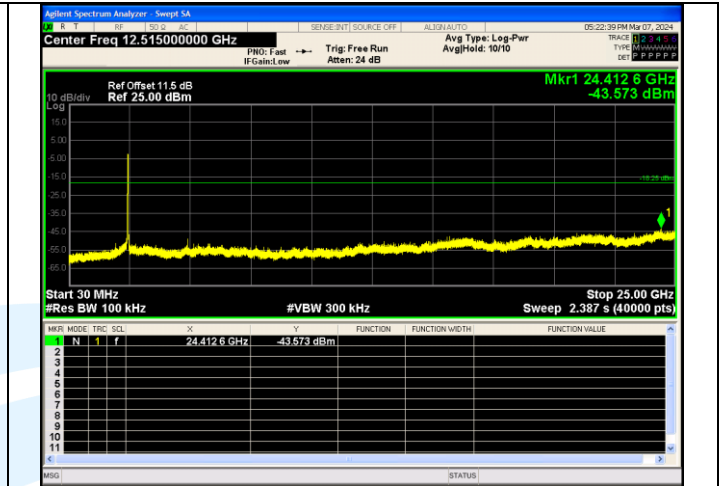
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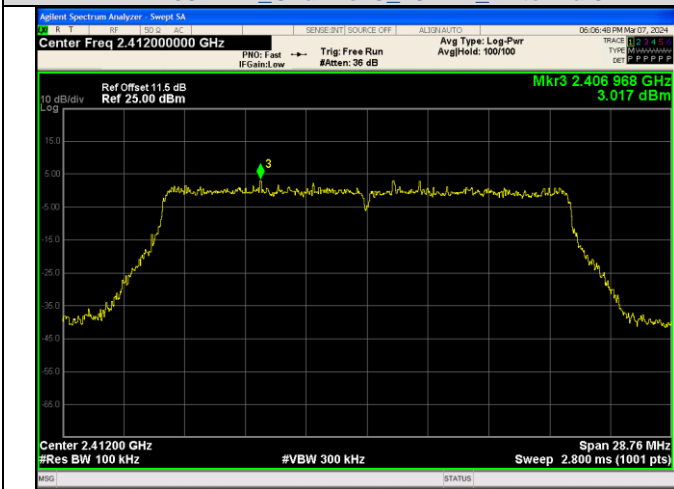
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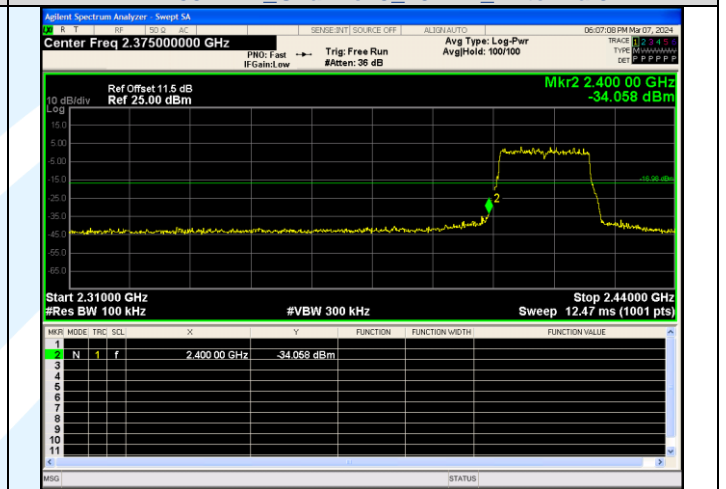
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IEEE 802.11n Channel 9 40MHz Antenna 0



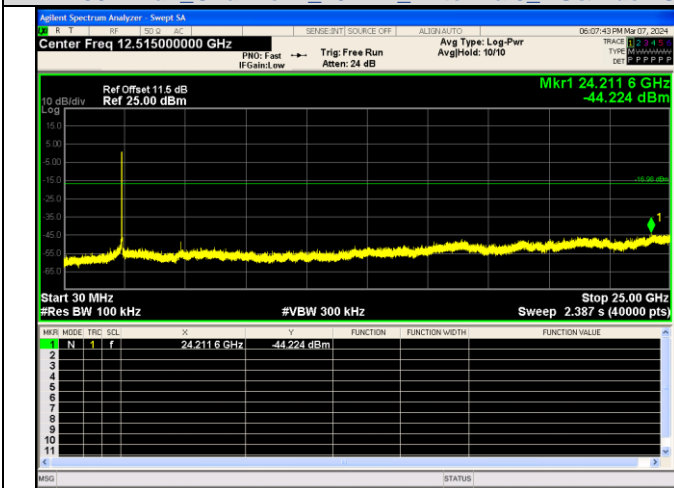
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IEEE 802.11n Channel 9 40MHz Antenna 0



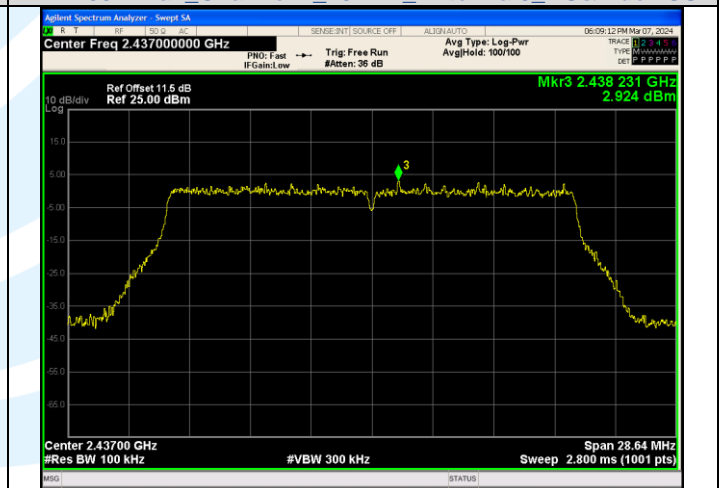
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IEEE 802.11ax Channel 1 20MHz Antenna 0 RU&Index SU



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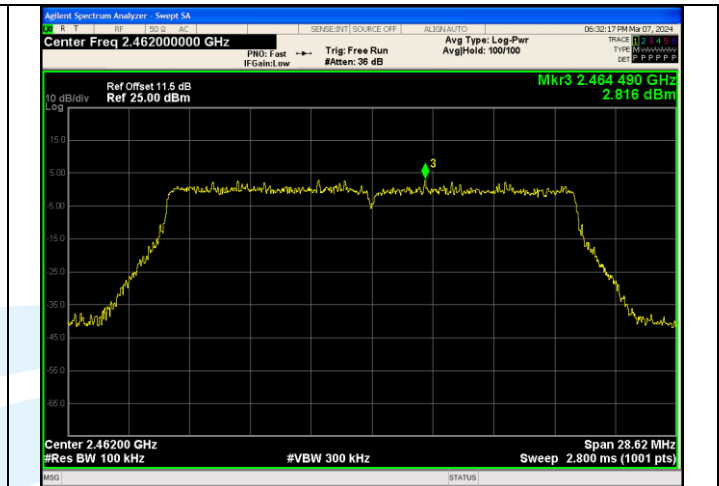
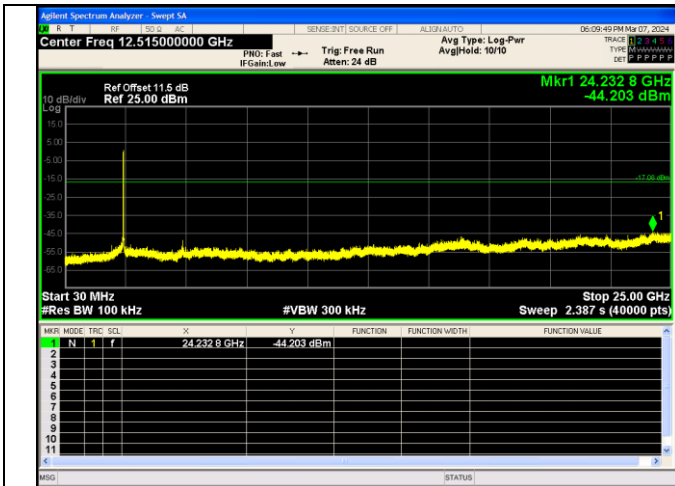


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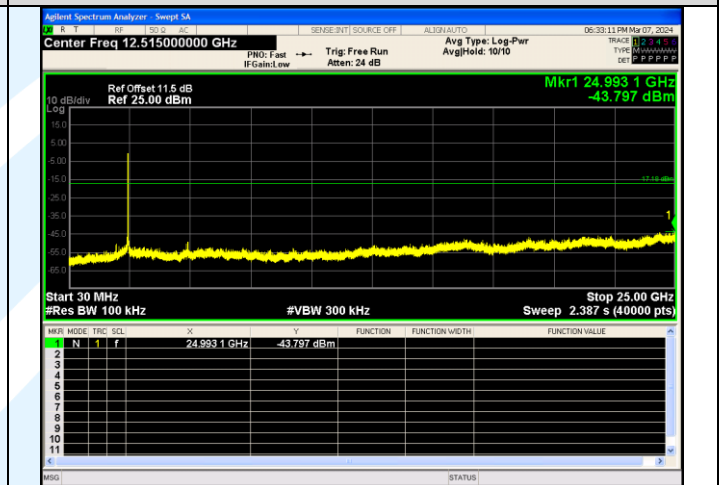
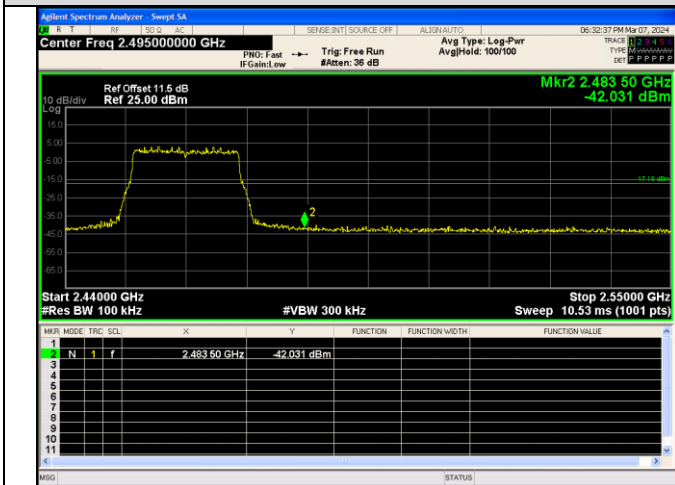
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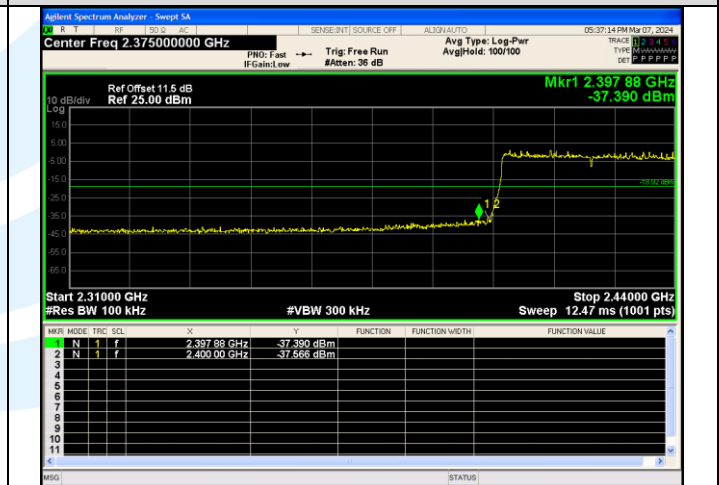
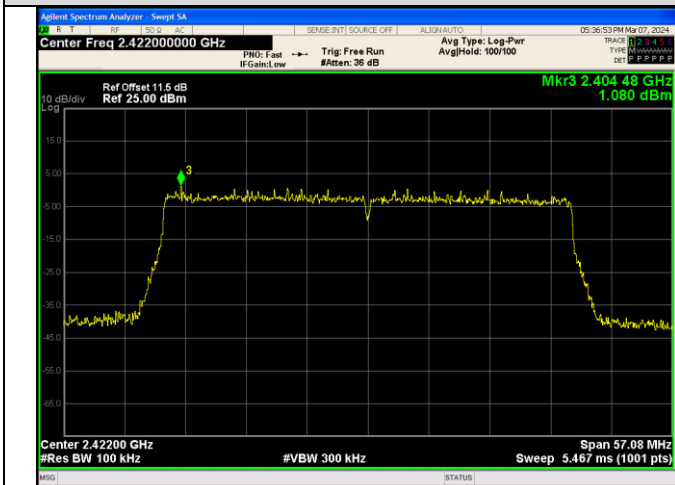
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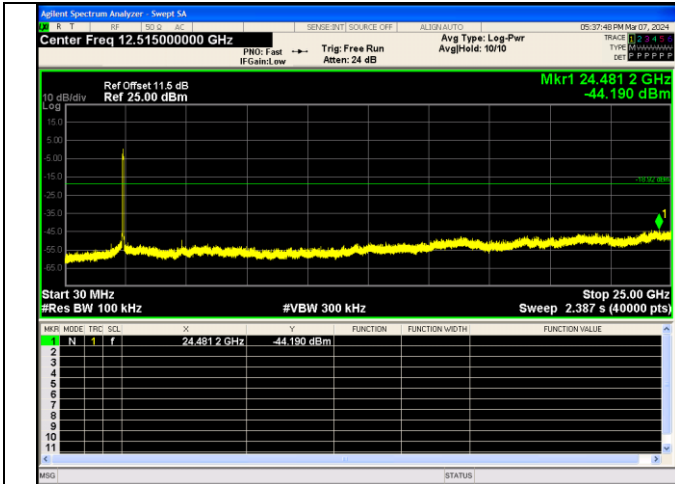
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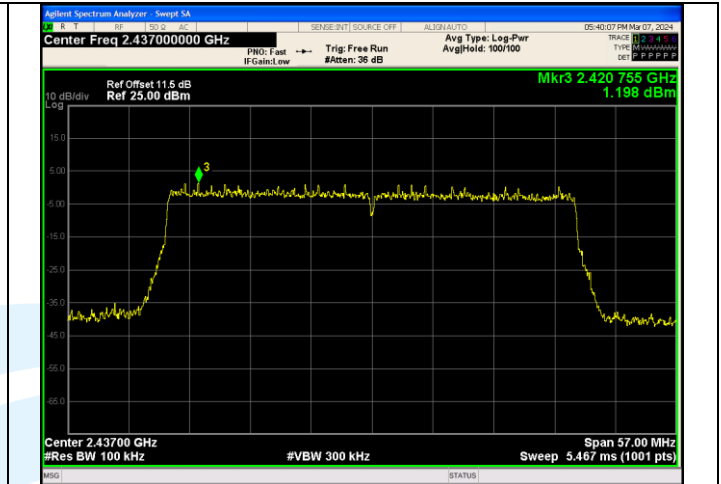


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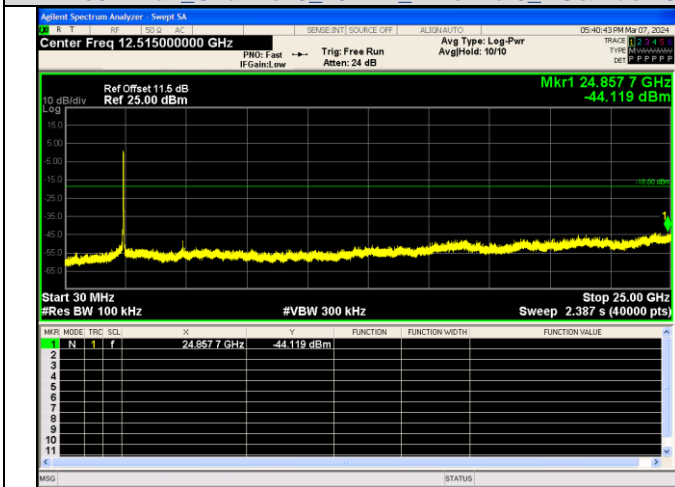
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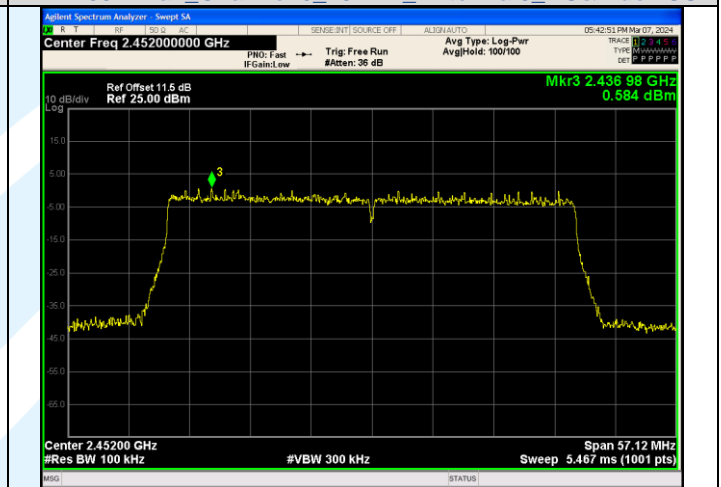
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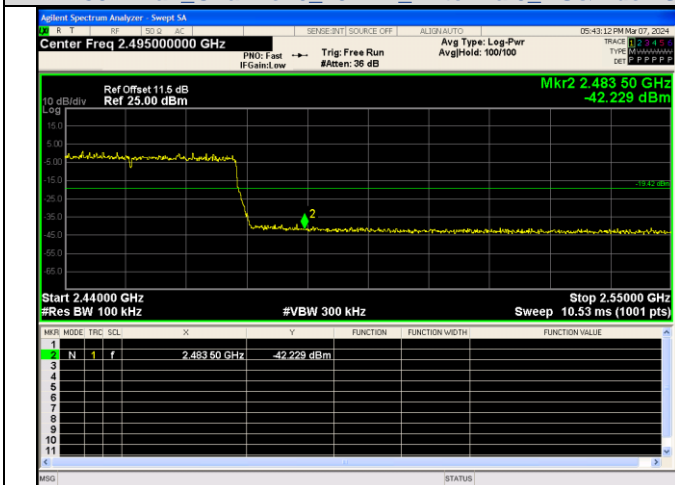
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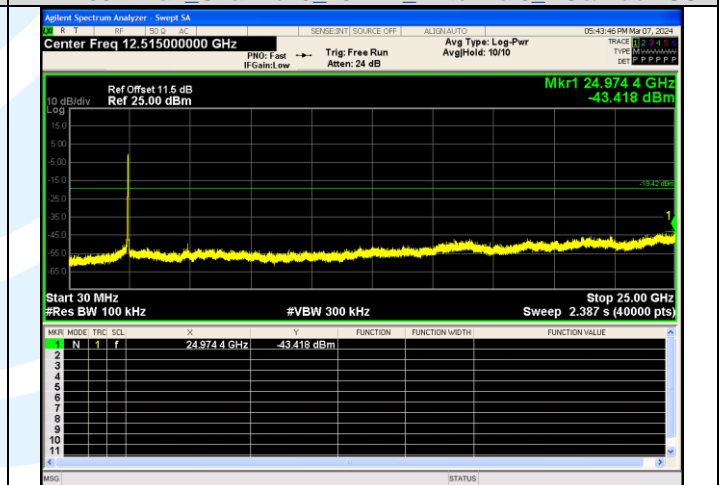
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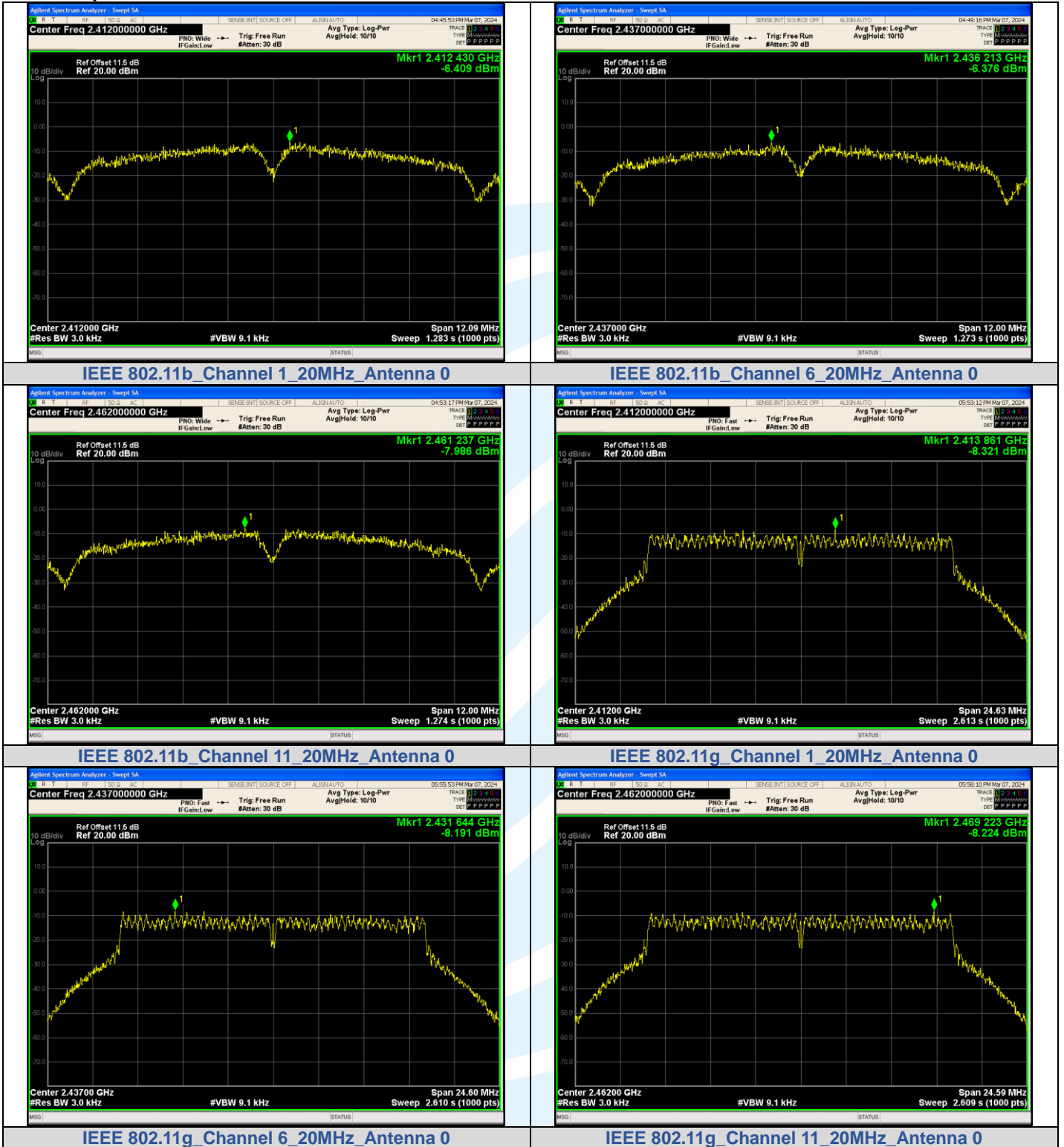


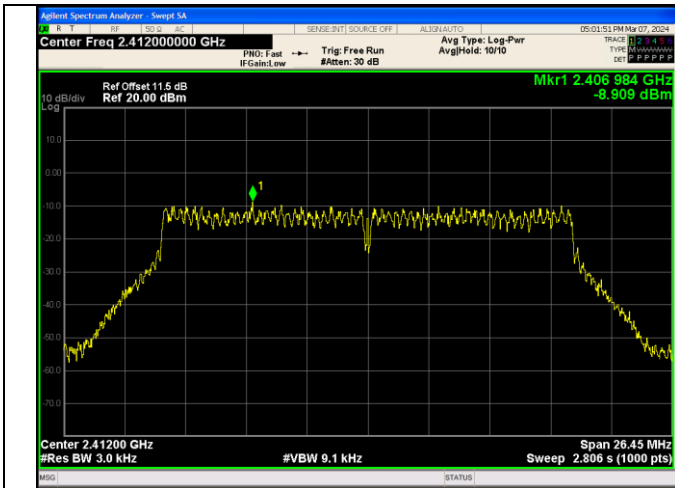
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### A.4 POWER SPECTRAL DENSITY

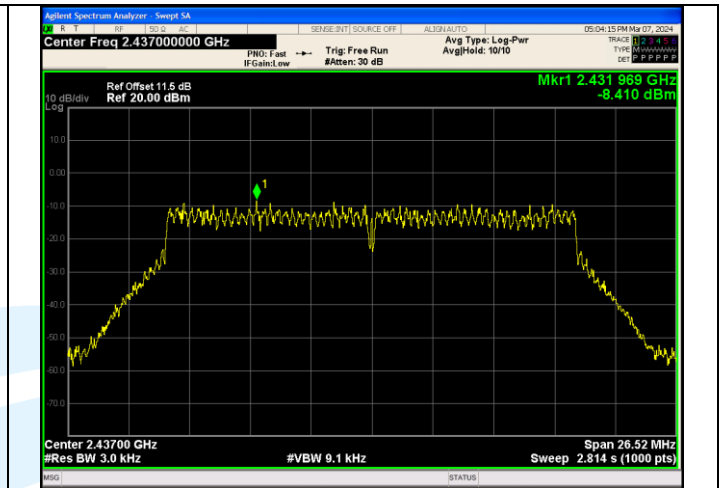
Mode	Channel	RU & Index	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result	
IEEE 802.11b	1	N/A	-6.409	8	PASS	
	6		-6.376		PASS	
	11		-7.986		PASS	
IEEE 802.11g	1		-8.321		PASS	
	6		-8.191		PASS	
	11		-8.224		PASS	
IEEE 802.11n_20	1		-8.909		PASS	
	6		-8.410		PASS	
	11		-8.769		PASS	
IEEE 802.11n_40	3		-12.244		PASS	
	6		-12.540		PASS	
	9		-12.624		PASS	
IEEE 802.11ax_20	1		SU		-10.698	PASS
	6				-11.747	PASS
	11				-11.212	PASS
IEEE 802.11ax_40	3	-13.704		PASS		
	6	-12.892		PASS		
	9	-13.606		PASS		

## Test Graphs

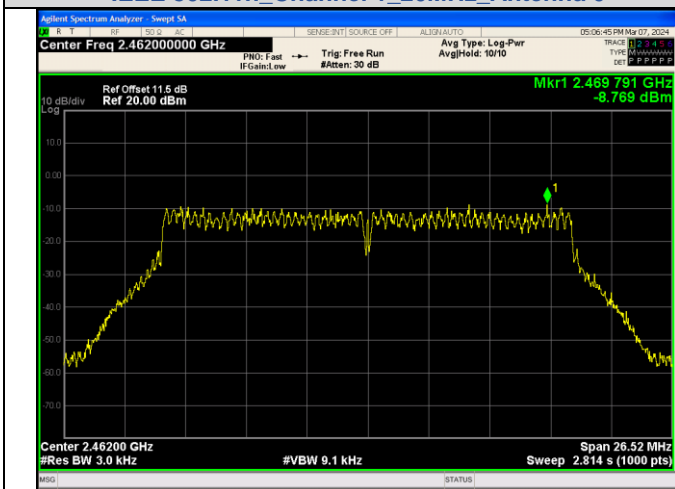




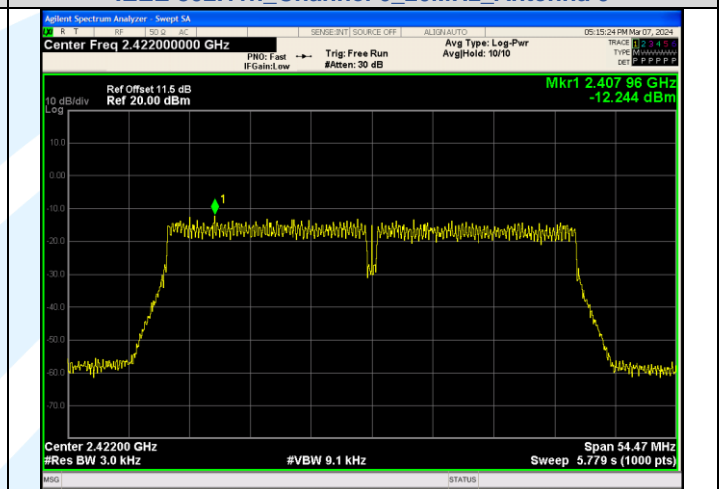
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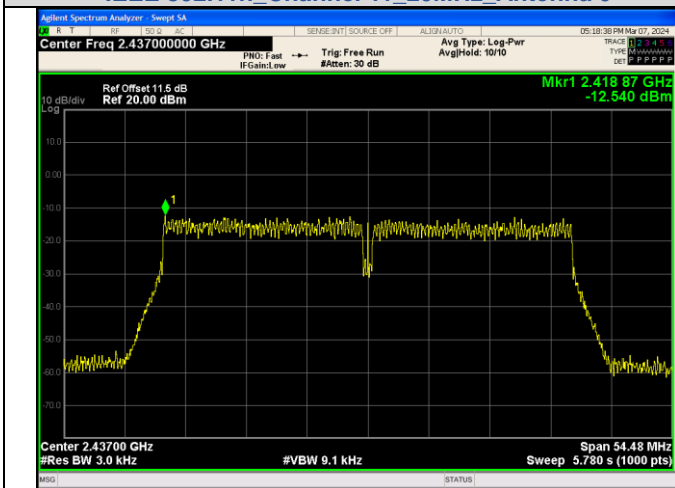
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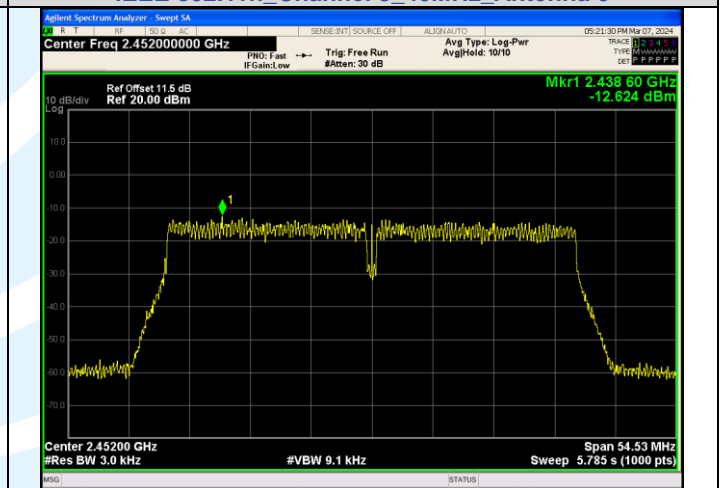
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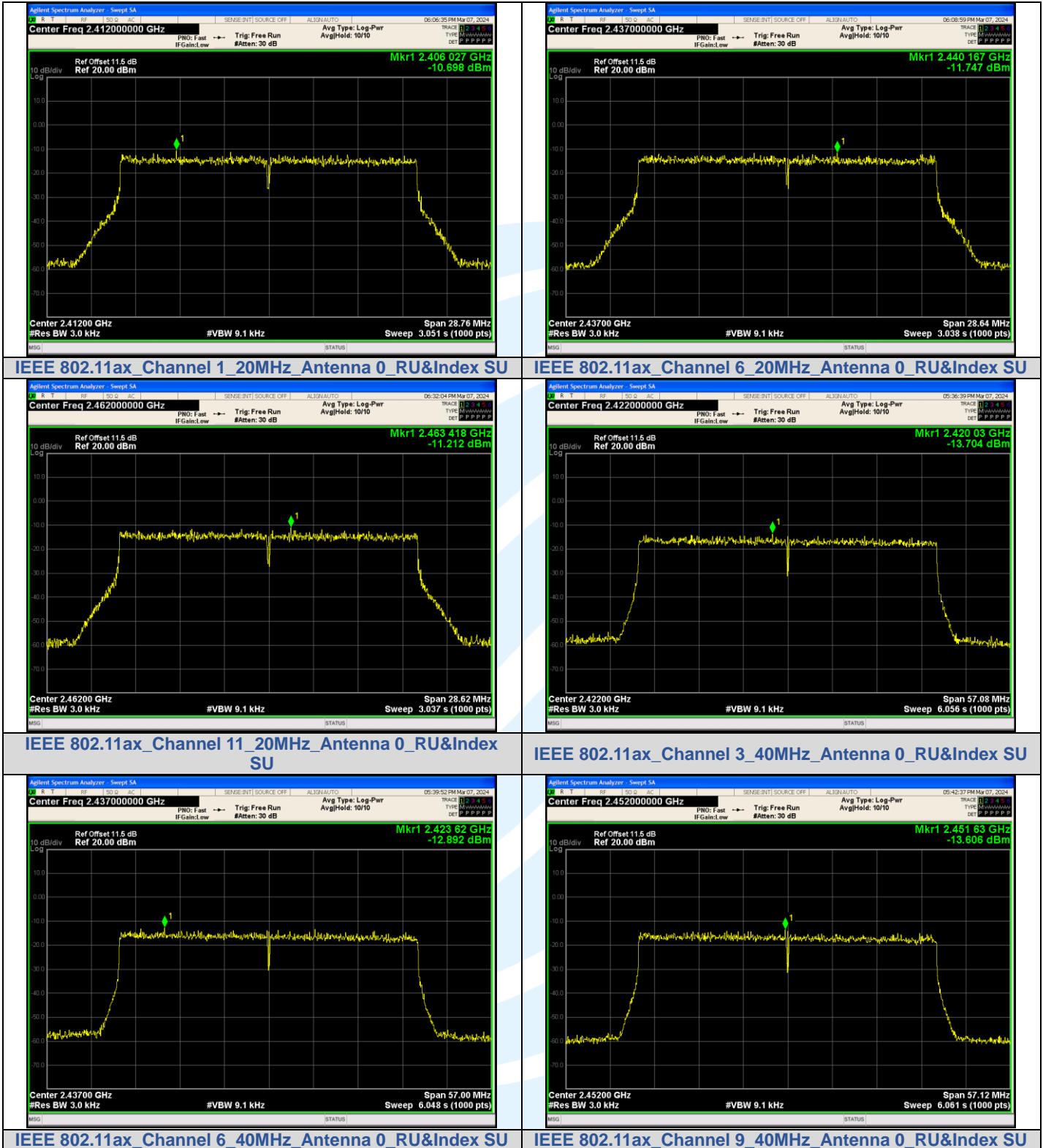
IEEE 802.11n\_Channel 3\_40MHz\_Antenna 0



IEEE 802.11n\_Channel 6\_40MHz\_Antenna 0



IEEE 802.11n\_Channel 9\_40MHz\_Antenna 0



**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

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E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

## APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

## APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.

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