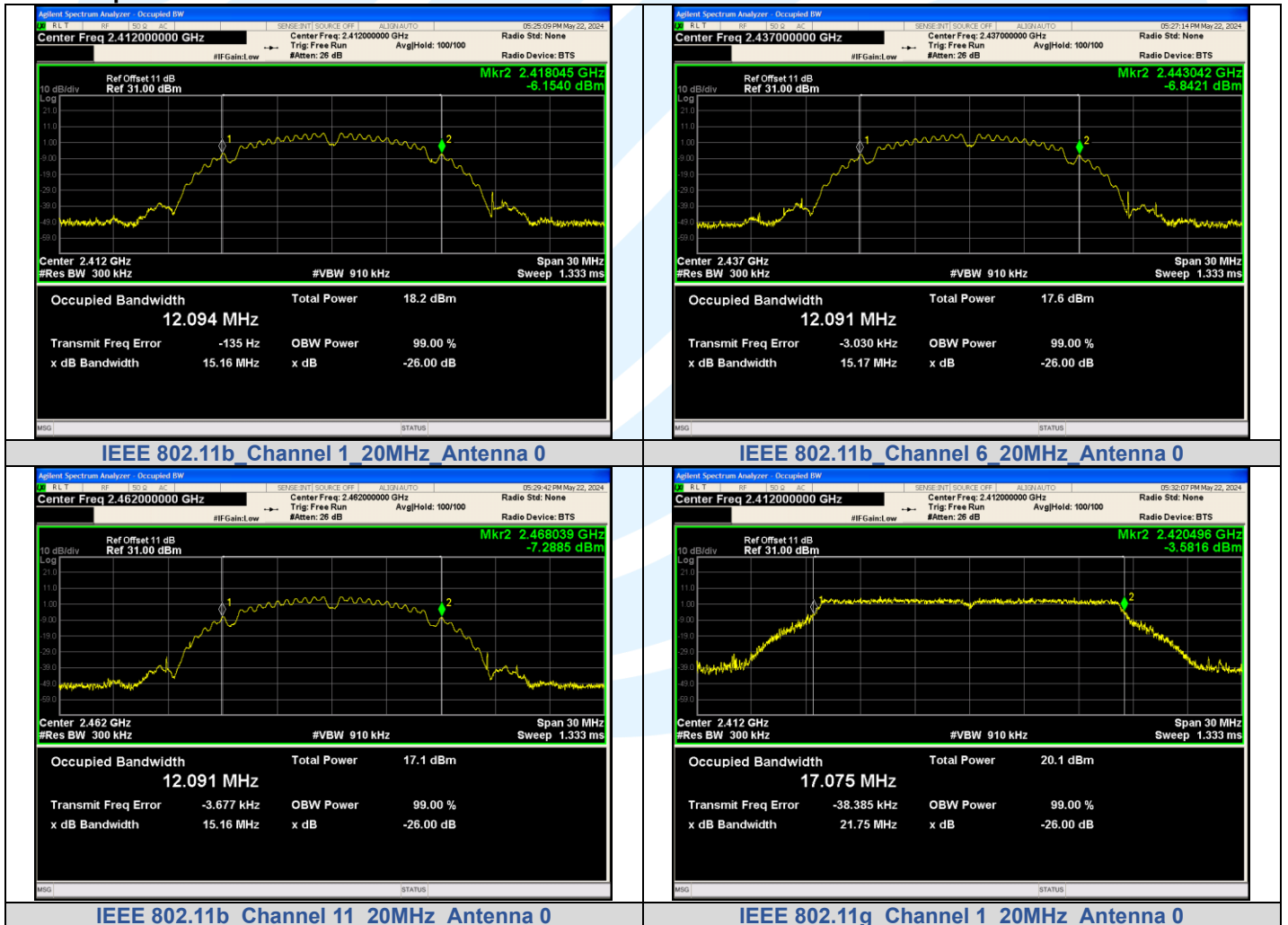


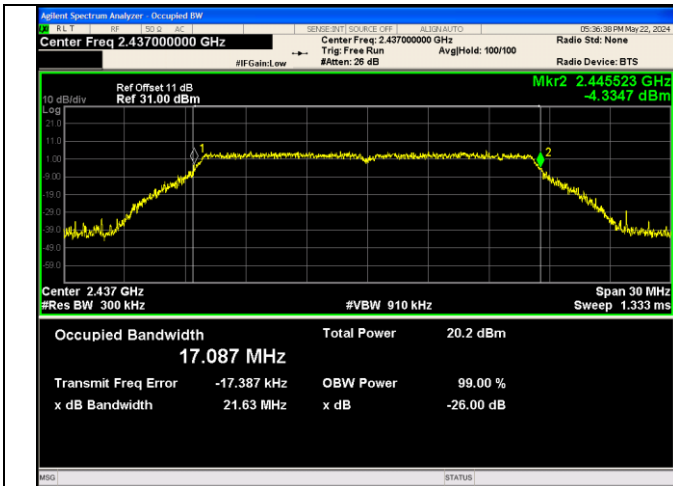
APPENDIX A RF TEST DATA

A.1 99% BANDWIDTH

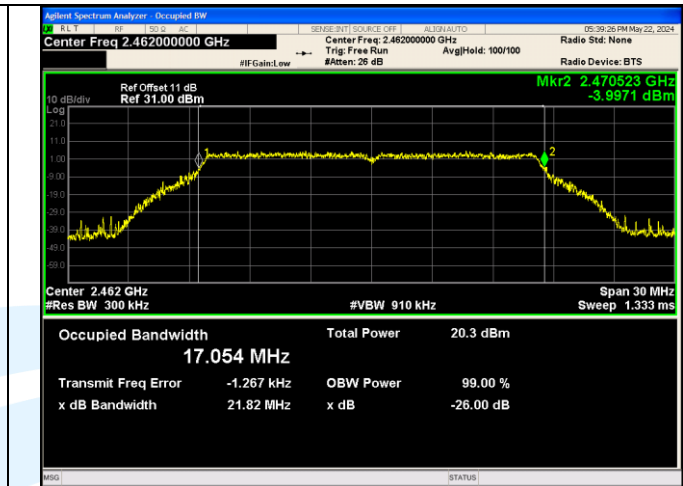
Mode	Channel	RU & Index	Ant.	99% BW (MHz)
IEEE 802.11b	1	N/A	0	12.094
	6			12.091
	11			12.091
IEEE 802.11g	1			17.075
	6			17.087
	11			17.054
IEEE 802.11n_20	1			18.155
	6			18.148
	11			18.103
IEEE 802.11n_40	3			36.490
	6			36.440
	9			36.470
IEEE 802.11ax_20	1	SU		19.142
	6			19.186
	11			19.193
IEEE 802.11ax_40	3			37.834
	6			37.857
	9			37.911

Test Graphs

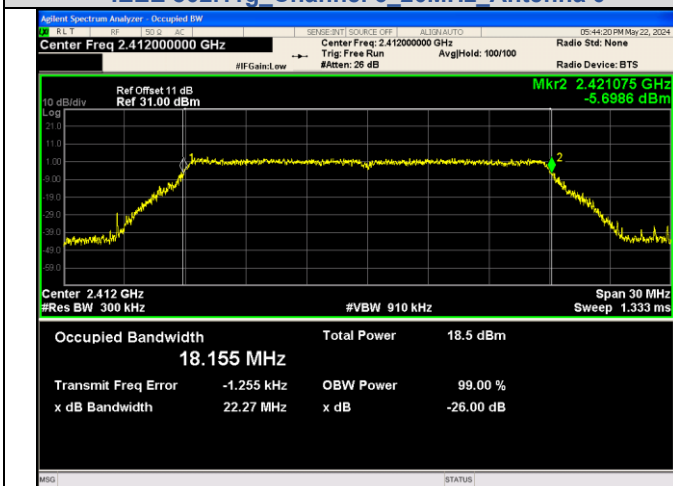




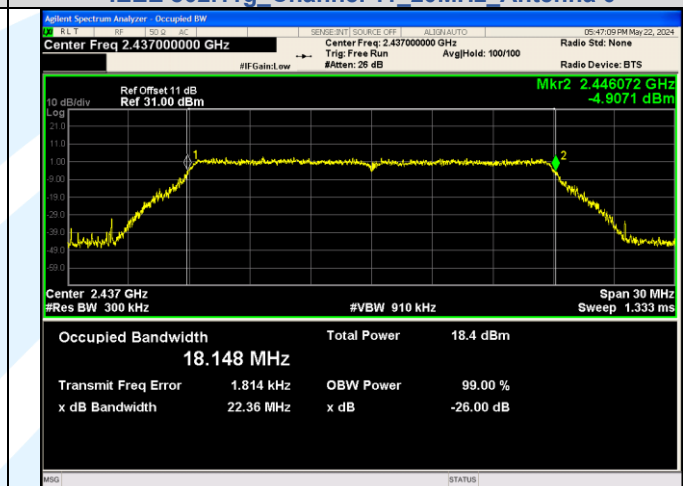
IEEE 802.11g Channel 6 20MHz Antenna 0



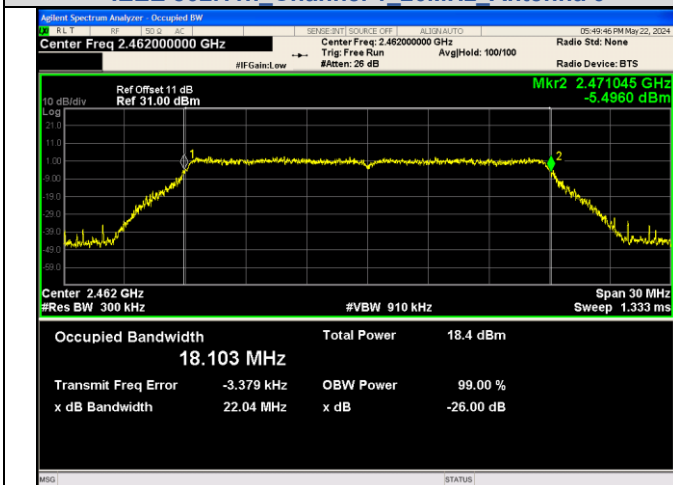
IEEE 802.11g Channel 11 20MHz Antenna 0



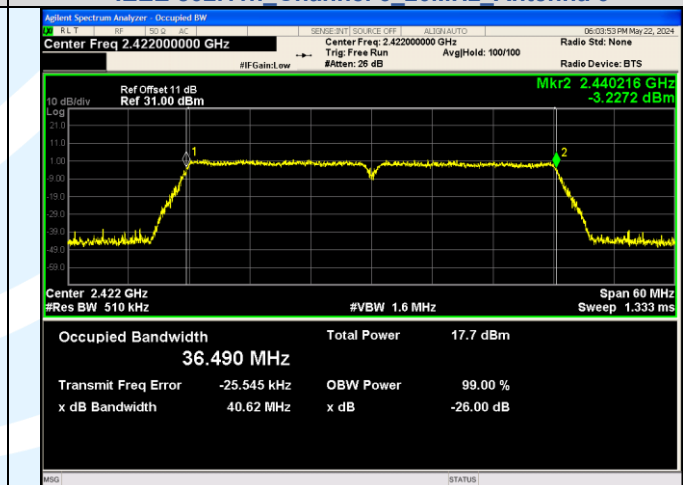
IEEE 802.11n Channel 1 20MHz Antenna 0



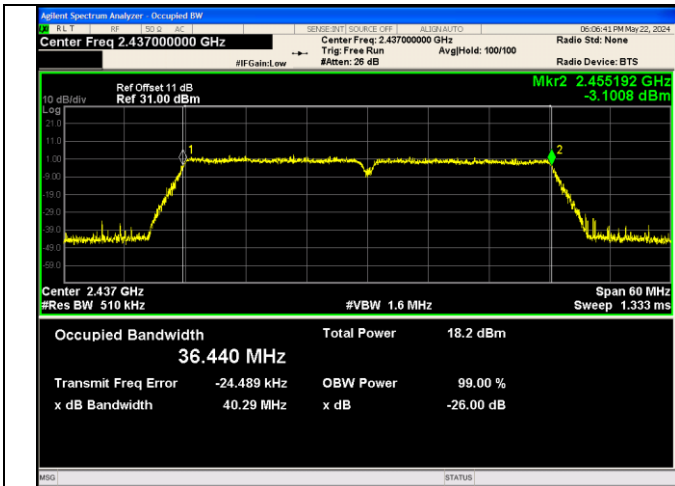
IEEE 802.11n Channel 6 20MHz Antenna 0



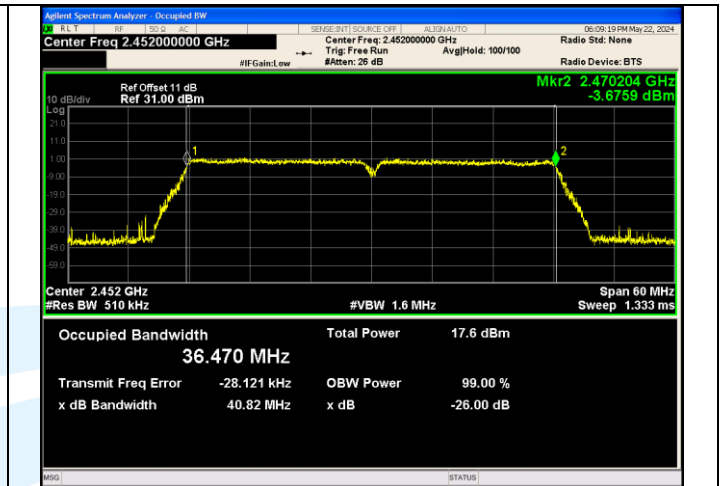
IEEE 802.11n Channel 11 20MHz Antenna 0



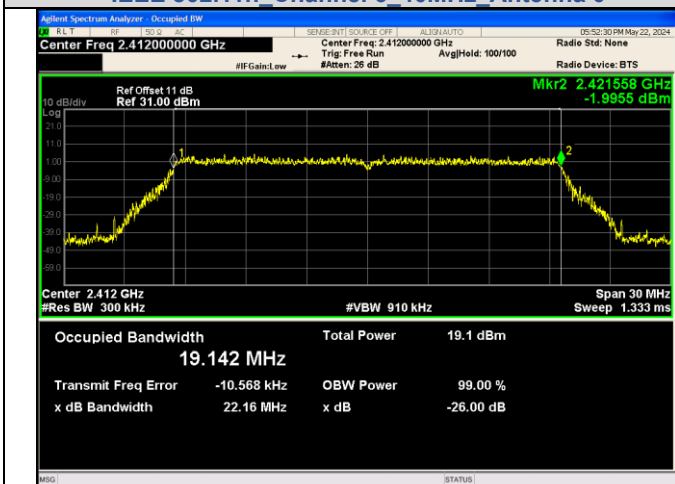
IEEE 802.11n Channel 3 40MHz Antenna 0



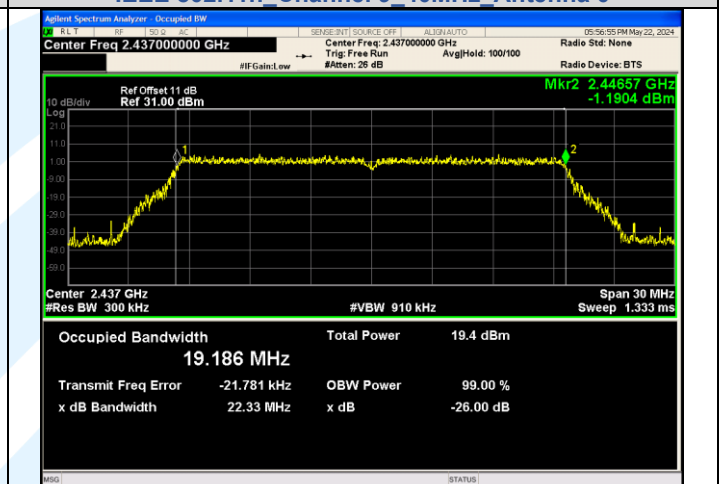
IEEE 802.11n Channel 6 40MHz Antenna 0



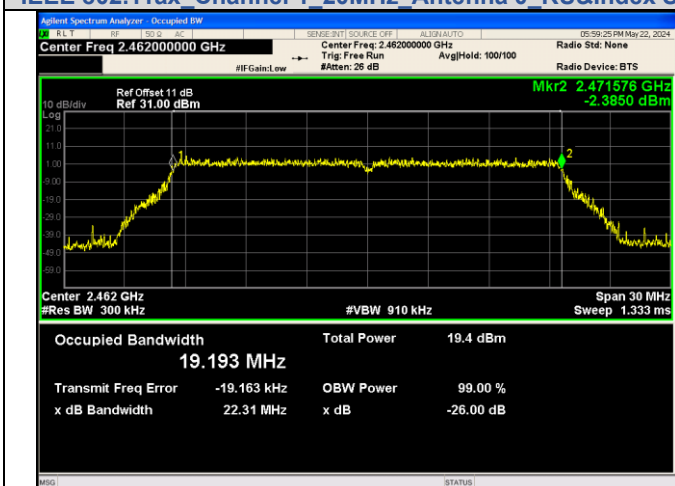
IEEE 802.11n Channel 9 40MHz Antenna 0



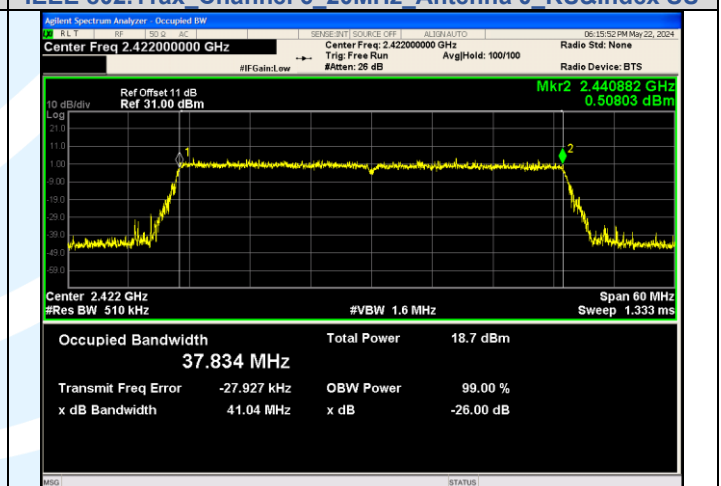
IEEE 802.11ax Channel 1 20MHz Antenna 0_RU&Index SU



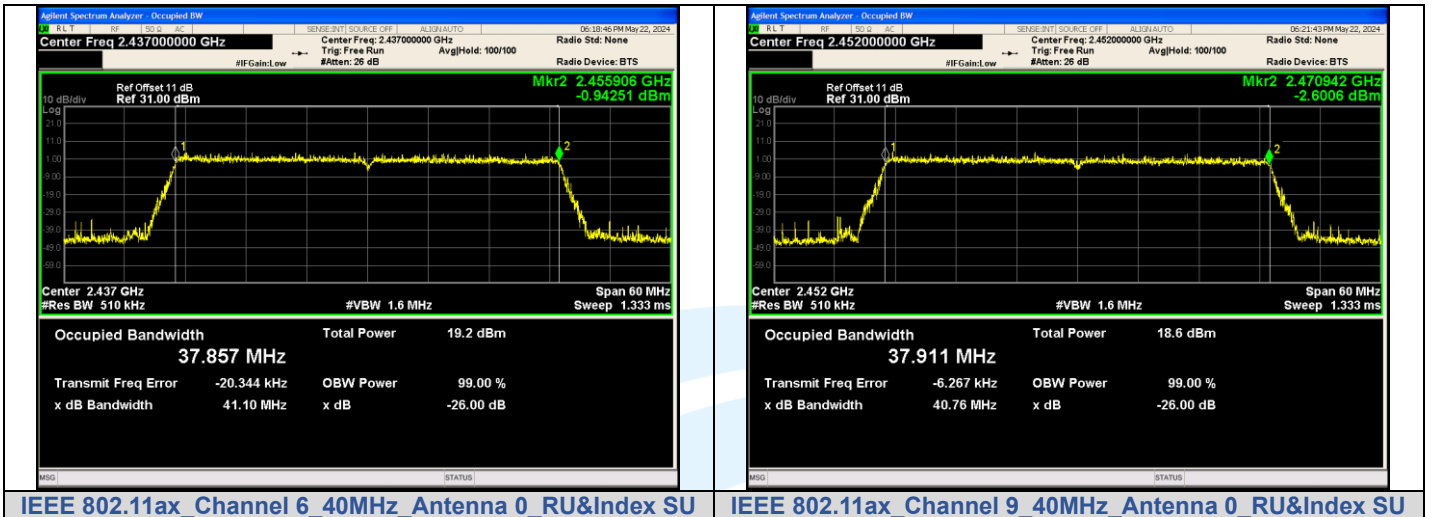
IEEE 802.11ax Channel 6 20MHz Antenna 0_RU&Index SU



IEEE 802.11ax Channel 11 20MHz Antenna 0_RU&Index SU



IEEE 802.11ax Channel 3 40MHz Antenna 0_RU&Index SU



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E-mail: info@uttlab.com

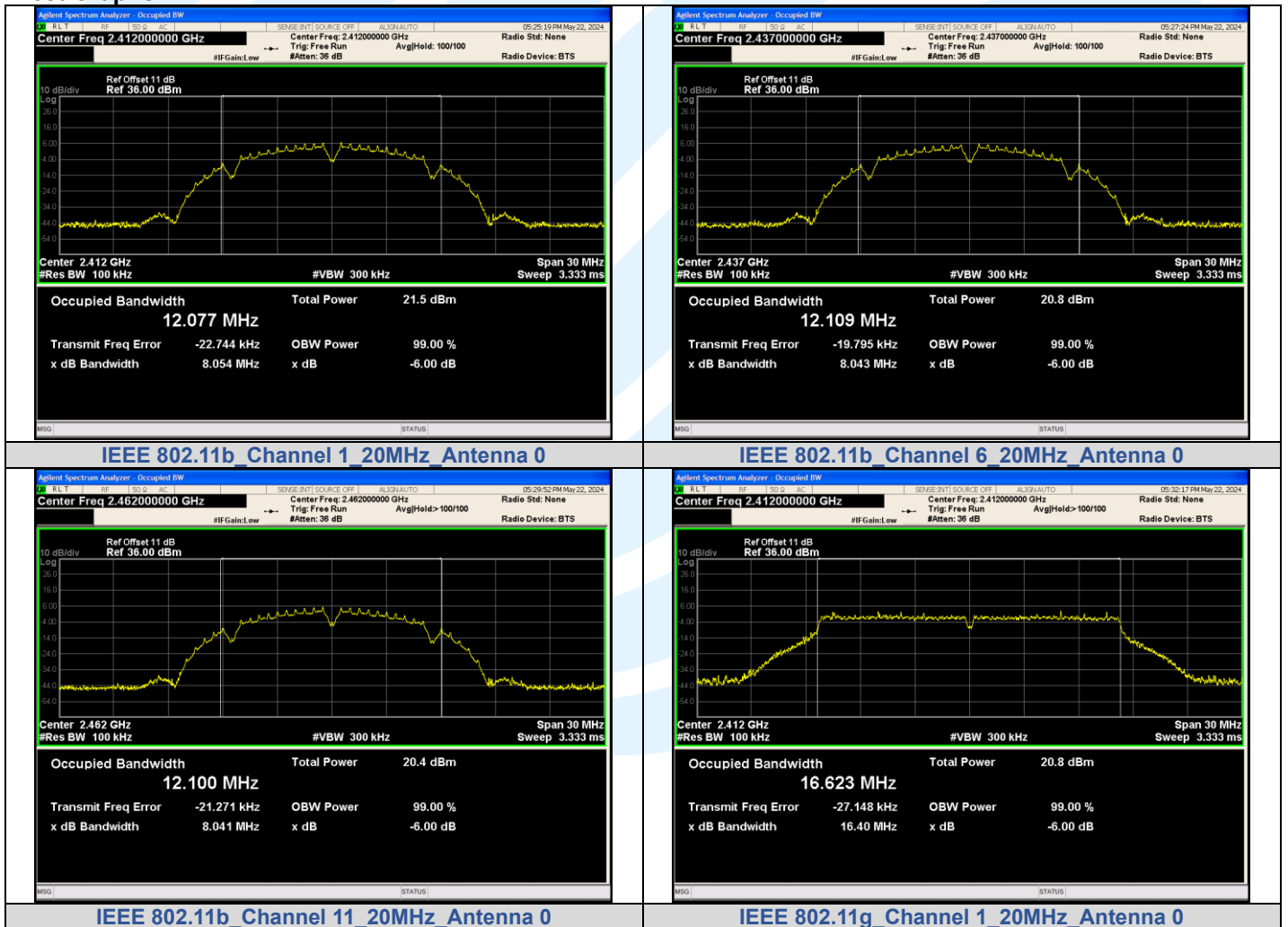
<http://www.uttlab.com>

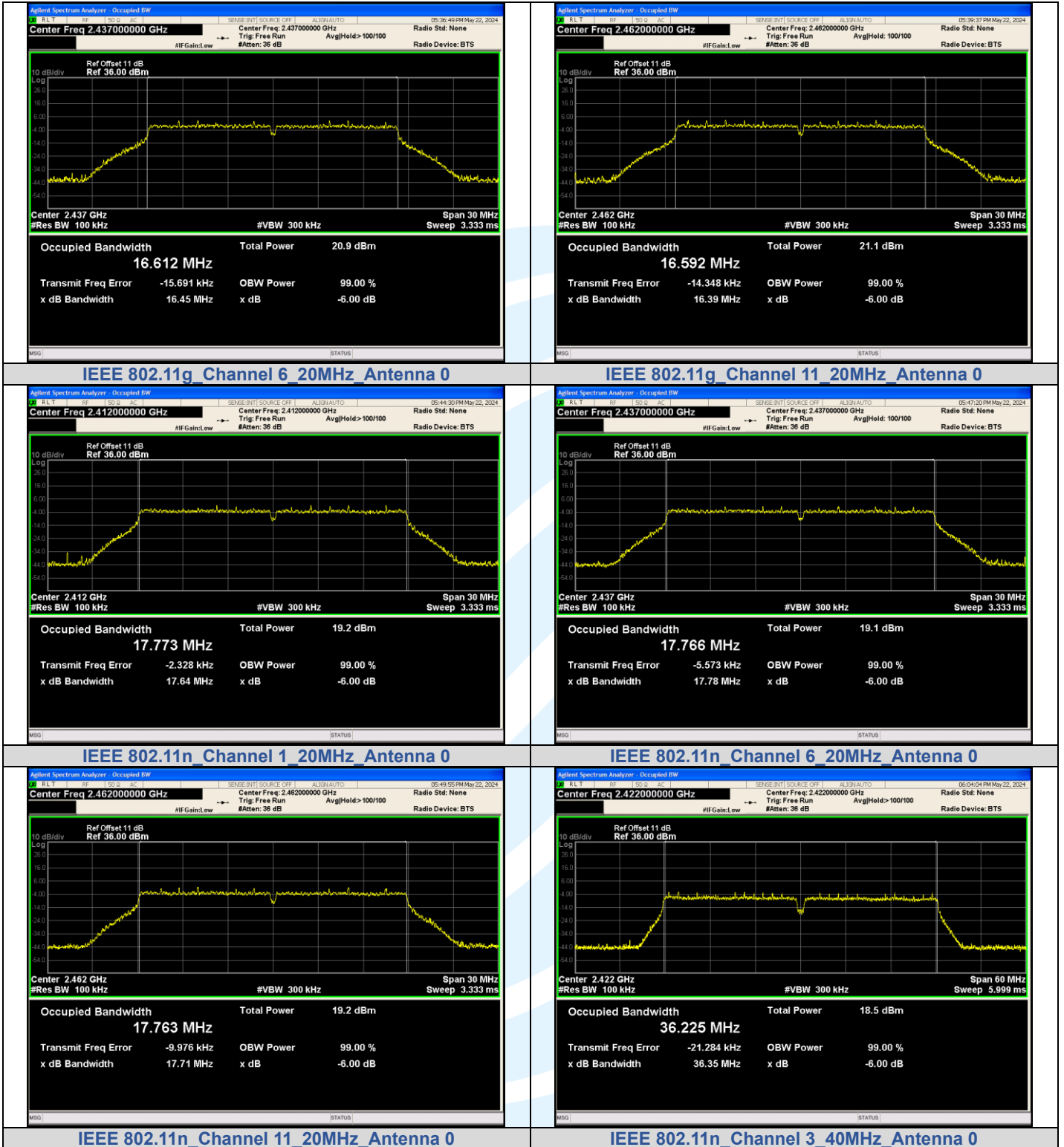
UTTR-RF-RSS247-V1.1

A.2 6DB BANDWIDTH

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	N/A	0	2412	8.054	0.5	PASS
	6			2437	8.043		PASS
	11			2462	8.041		PASS
IEEE 802.11g	1			2412	16.40		PASS
	6			2437	16.45		PASS
	11			2462	16.39		PASS
IEEE 802.11n_20	1			2412	17.64		PASS
	6			2437	17.78		PASS
	11			2462	17.71		PASS
IEEE 802.11n_40	3			2422	36.35		PASS
	6			2437	36.38		PASS
	9			2452	36.36		PASS
IEEE 802.11ax_20	1	SU	0	2412	19.08	0.5	PASS
	6			2437	19.19		PASS
	11			2462	19.07		PASS
IEEE 802.11ax_40	3			2422	38.12		PASS
	6			2437	37.91		PASS
	9			2452	38.03		PASS

Test Graphs





Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

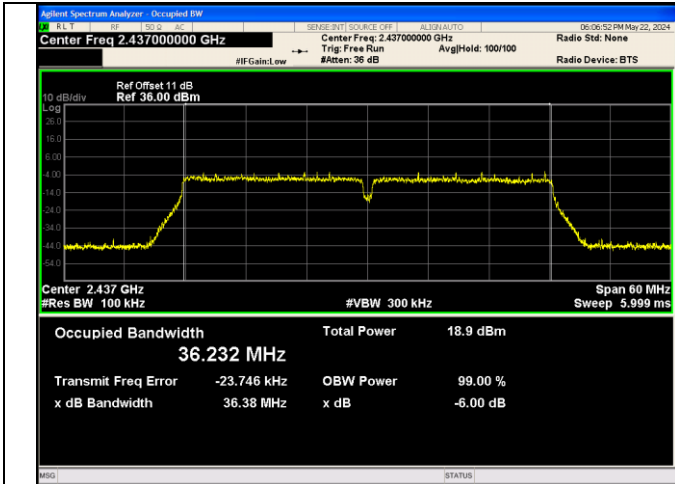
Tel: +86-755-28230888

Fax: +86-755-28230886

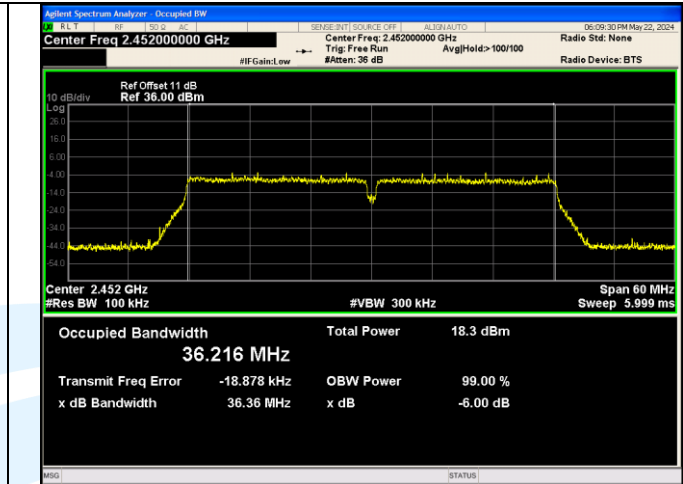
E-mail: info@uttlab.com

<http://www.uttlab.com>

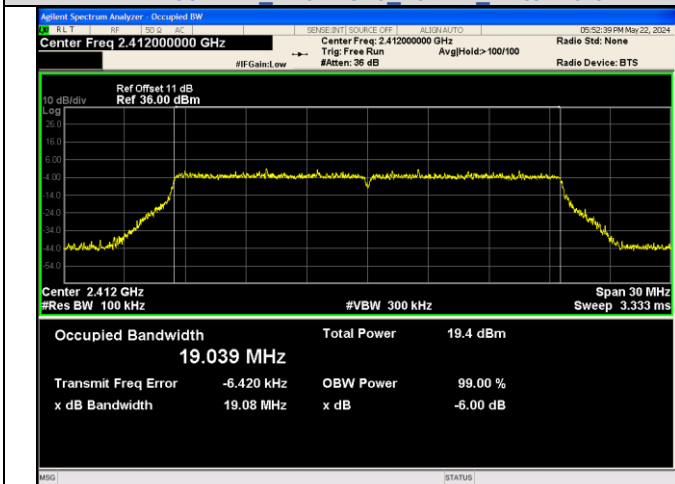
UTTR-RF-RSS247-V1.1



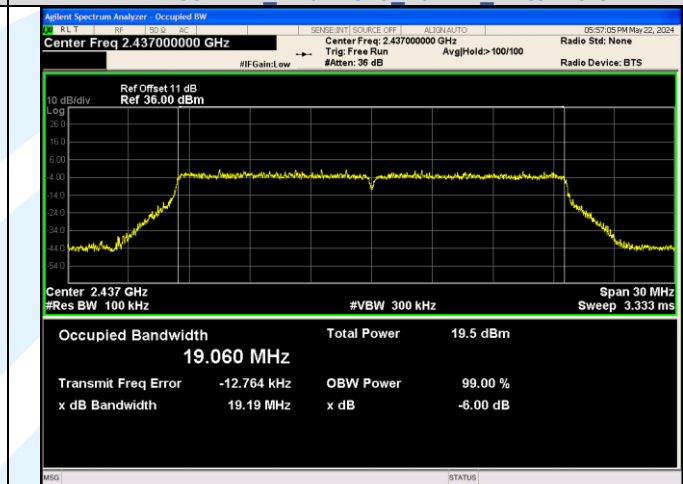
IEEE 802.11n Channel 6 40MHz Antenna 0



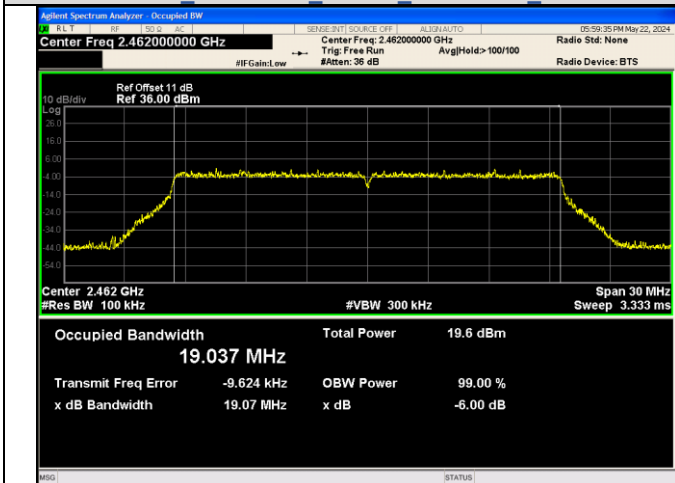
IEEE 802.11n Channel 9 40MHz Antenna 0



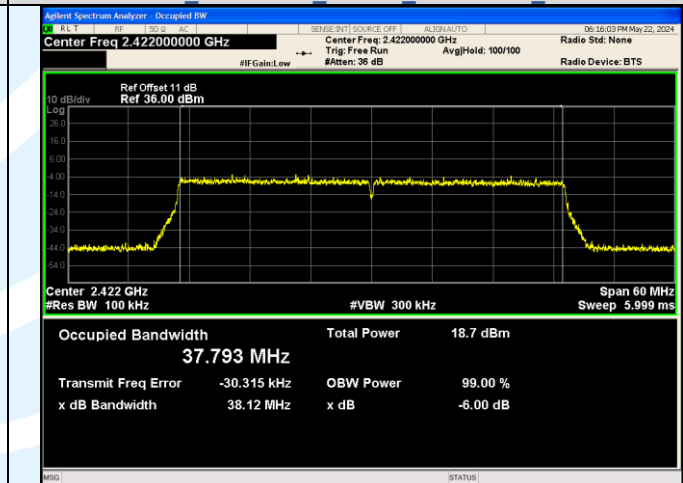
IEEE 802.11ax Channel 1 20MHz Antenna 0_RU&Index SU



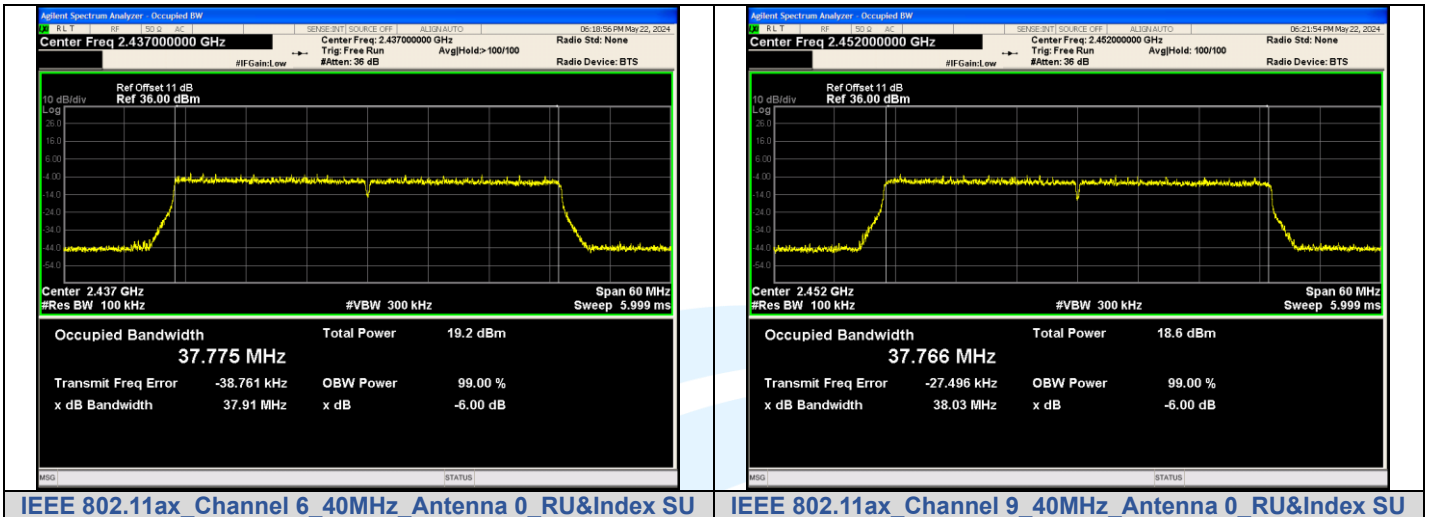
IEEE 802.11ax Channel 6 20MHz Antenna 0_RU&Index SU



IEEE 802.11ax Channel 11 20MHz Antenna 0_RU&Index SU



IEEE 802.11ax Channel 3 40MHz Antenna 0_RU&Index SU



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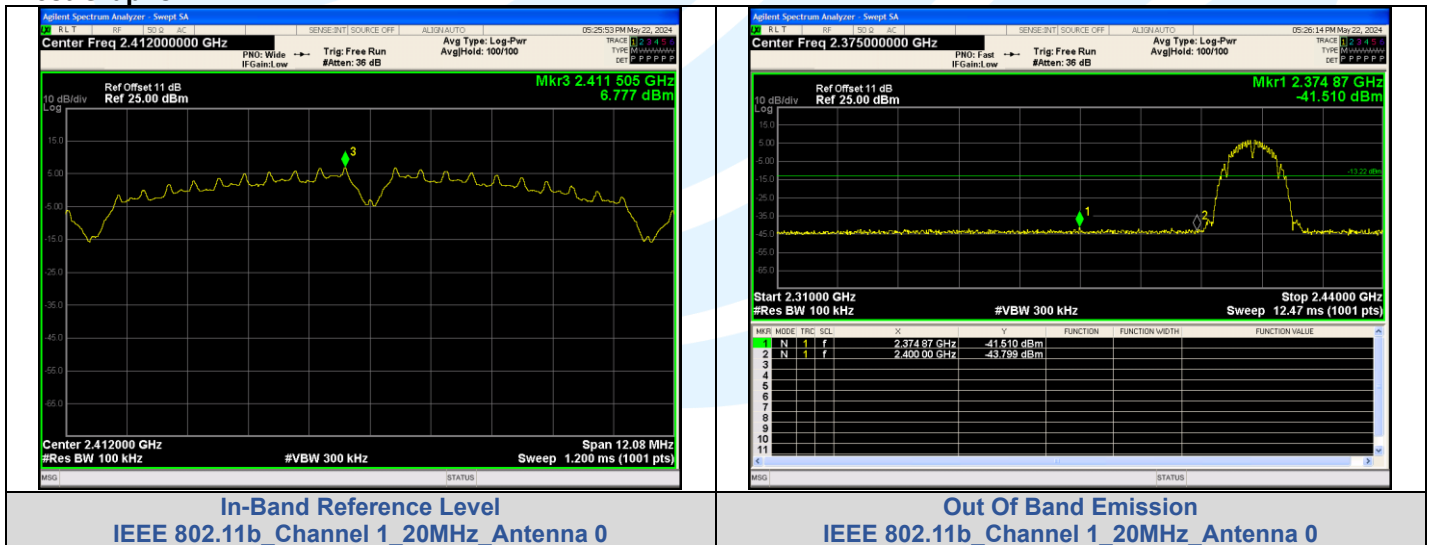
<http://www.uttlab.com>

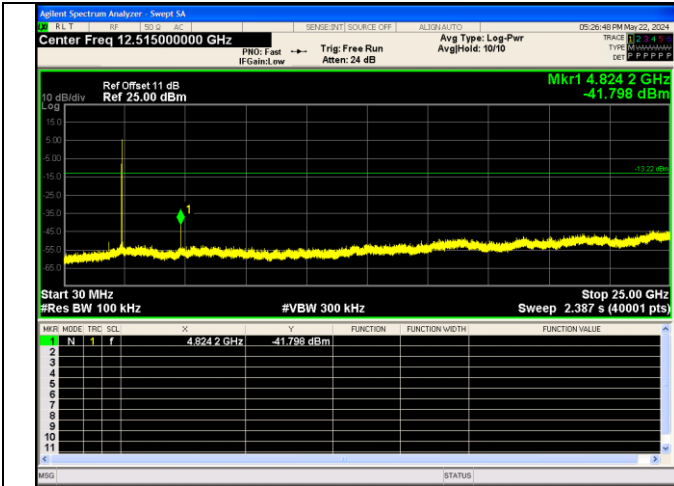
UTTR-RF-RSS247-V1.1

A.3 CONDUCTED OUT OF BAND EMISSION

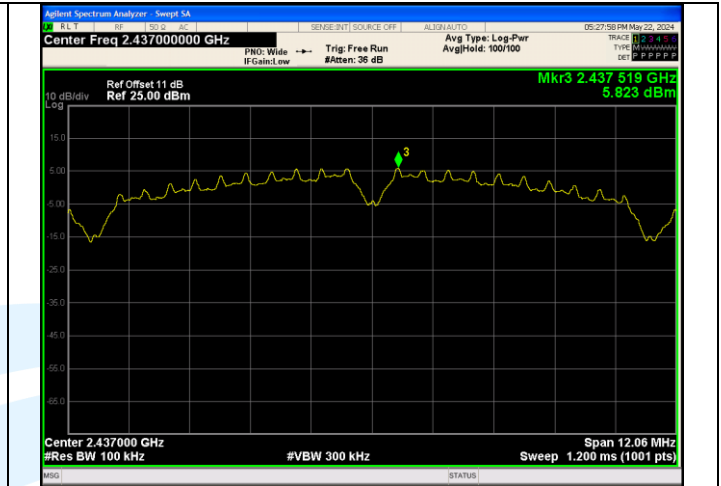
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	N/A	0	2374.87	-41.510	-13.22	-28.290	PASS
				2400.00	-43.799	-13.22	-30.579	PASS
				4824.20	-41.798	-13.22	-28.578	PASS
				4874.18	-42.355	-14.18	-28.175	PASS
				2483.50	-42.883	-14.29	-28.593	PASS
IEEE 802.11g	6			4924.12	-42.290	-14.29	-28.000	PASS
				2400.00	-34.431	-16.72	-17.711	PASS
				24197.2	-43.695	-16.72	-26.975	PASS
				24400.7	-44.451	-16.87	-27.581	PASS
				2483.50	-41.974	-16.57	-25.404	PASS
IEEE 802.11n_20	11	24214.7	-44.617	-16.57	-28.047	PASS		
		2400.00	-38.561	-18.46	-20.101	PASS		
		24995.0	-44.173	-18.46	-25.713	PASS		
		24291.5	-44.349	-18.46	-25.889	PASS		
		2483.50	-42.407	-18.54	-23.867	PASS		
IEEE 802.11n_40	3	24639.8	-44.581	-18.54	-26.041	PASS		
		2398.53	-40.592	-21.34	-19.252	PASS		
		2400.00	-42.919	-21.34	-21.579	PASS		
		24291.5	-44.248	-21.34	-22.908	PASS		
		24292.7	-43.652	-21.38	-22.272	PASS		
IEEE 802.11ax_20	6	2483.50	-43.702	-21.88	-21.822	PASS		
		24572.4	-44.094	-21.88	-22.214	PASS		
		2400.00	-34.365	-18.98	-15.385	PASS		
		24584.9	-44.394	-18.98	-25.414	PASS		
		24259.0	-44.063	-18.82	-25.243	PASS		
IEEE 802.11ax_40	11	2483.50	-43.061	-19.1	-23.961	PASS		
		24382.6	-43.645	-19.1	-24.545	PASS		
		2400.00	-39.981	-23.07	-16.911	PASS		
		24992.5	-44.241	-23.07	-21.171	PASS		
		24335.8	-44.066	-21.96	-22.106	PASS		
IEEE 802.11ax_40	9	2483.50	-43.043	-22.14	-20.903	PASS		
		24390.7	-44.764	-22.14	-22.624	PASS		

Test Graphs

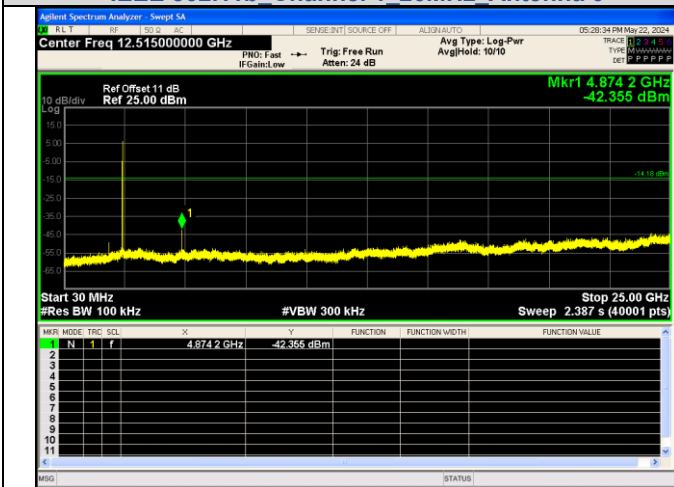




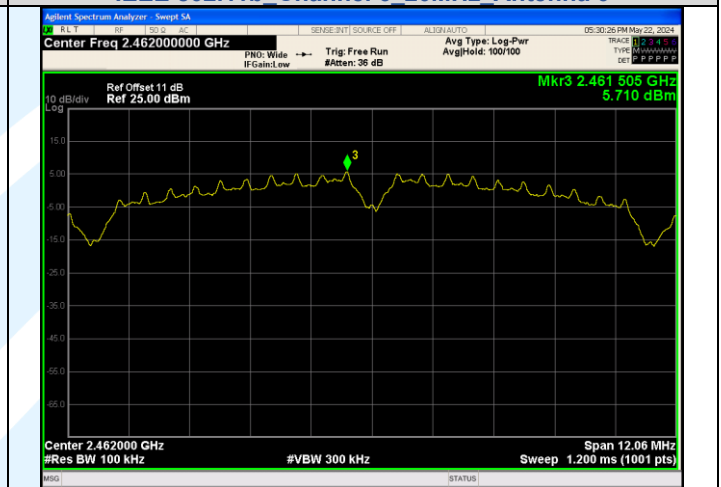
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 1 20MHz Antenna 0



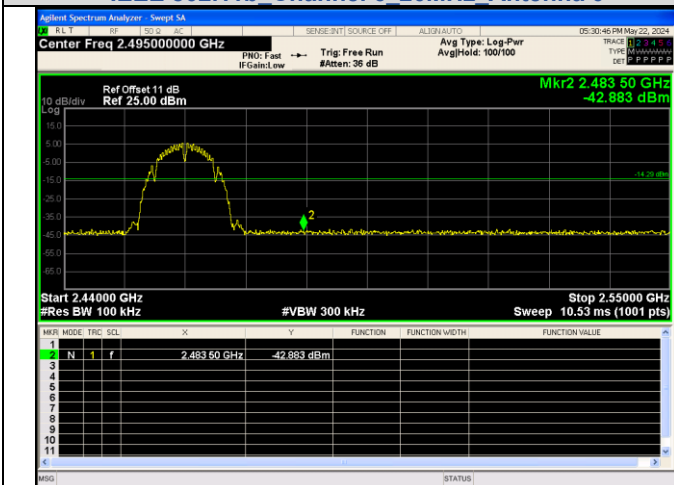
In-Band Reference Level
IEEE 802.11b Channel 6 20MHz Antenna 0



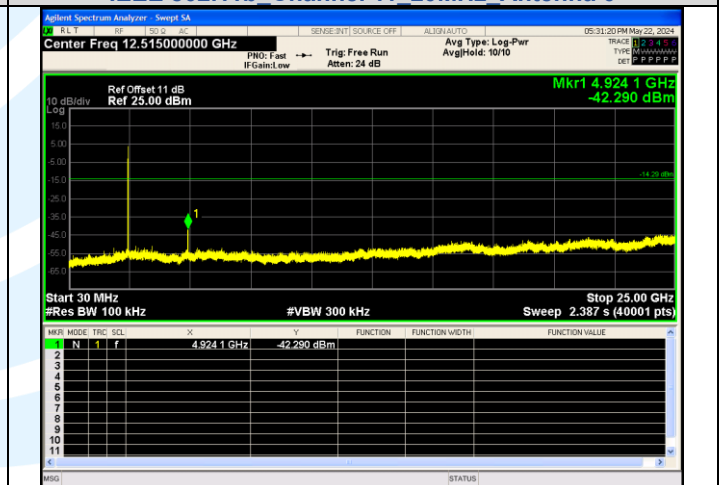
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 6 20MHz Antenna 0



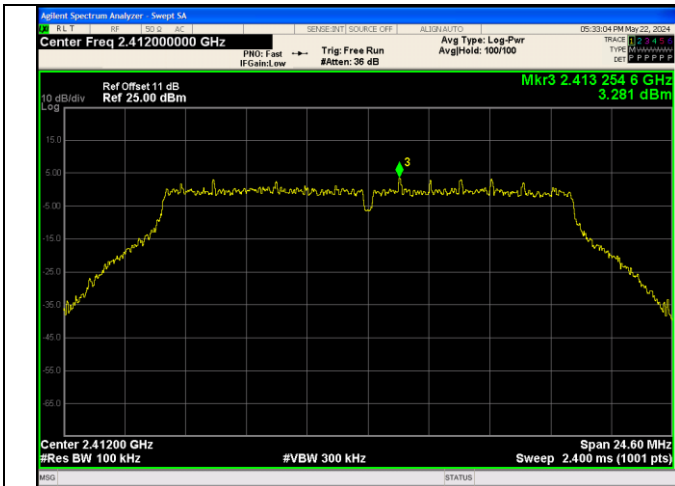
In-Band Reference Level
IEEE 802.11b Channel 11 20MHz Antenna 0



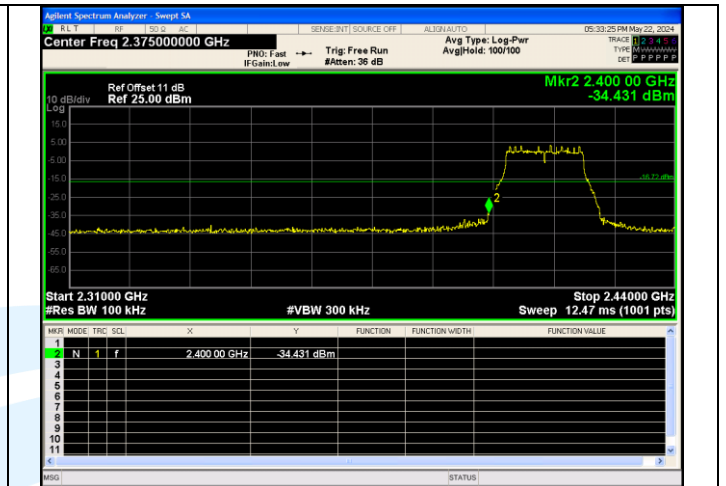
Out Of Band Emission
IEEE 802.11b Channel 11 20MHz Antenna 0



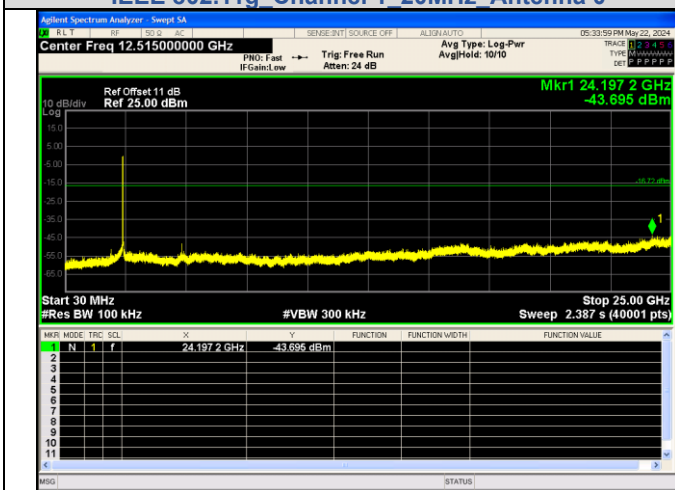
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 11 20MHz Antenna 0



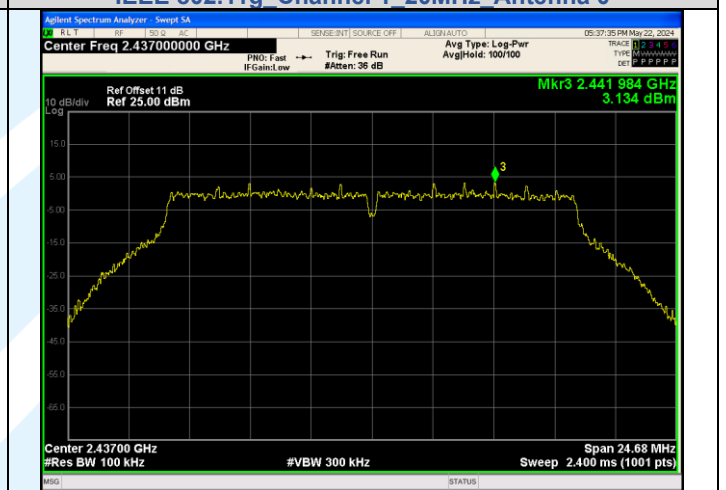
In-Band Reference Level
IEEE 802.11g Channel 1 20MHz Antenna 0



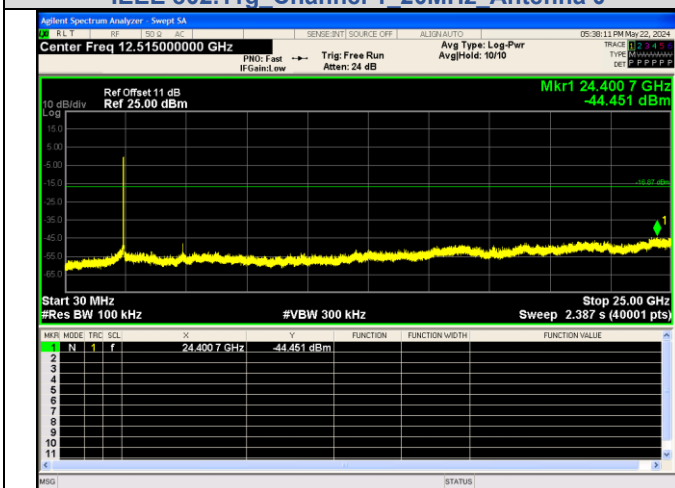
Out Of Band Emission
IEEE 802.11g Channel 1 20MHz Antenna 0



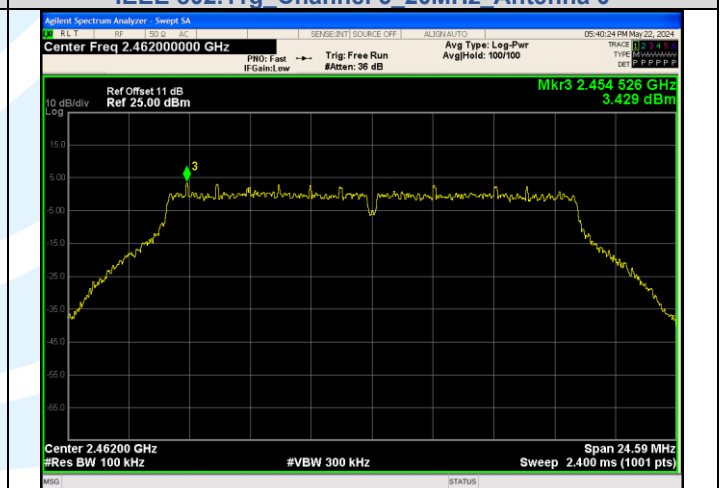
30.0 MHz - 25000.0 MHz
IEEE 802.11g Channel 1 20MHz Antenna 0



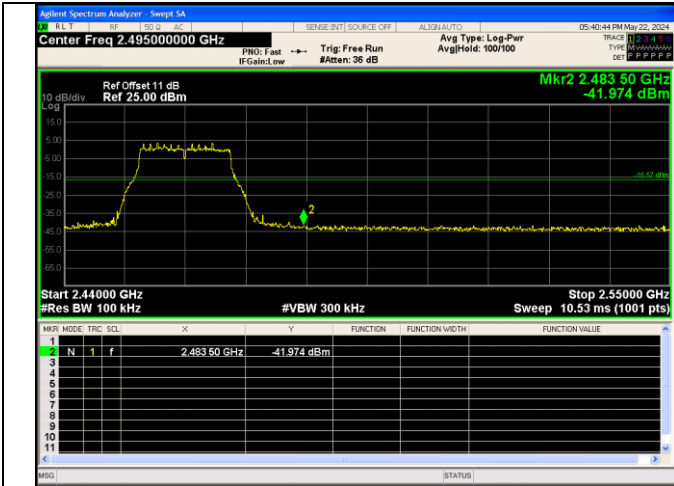
In-Band Reference Level
IEEE 802.11g Channel 6 20MHz Antenna 0



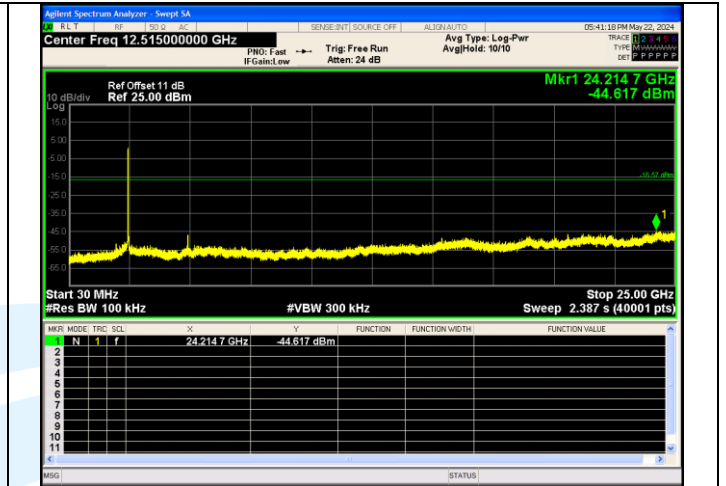
30.0 MHz - 25000.0 MHz
IEEE 802.11g Channel 6 20MHz Antenna 0



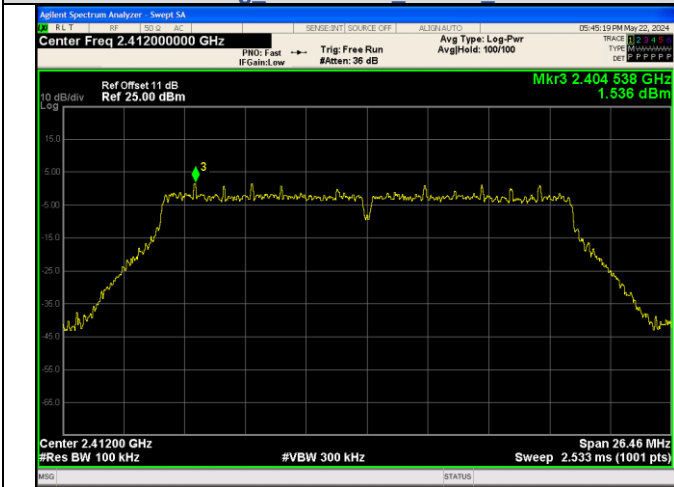
In-Band Reference Level
IEEE 802.11g Channel 11 20MHz Antenna 0



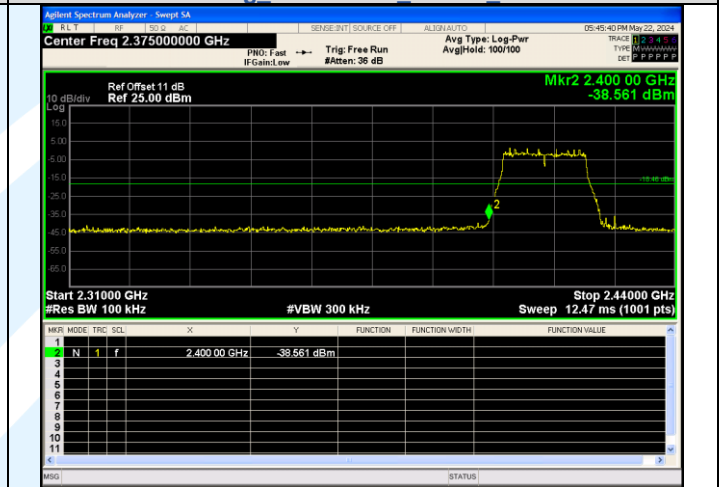
Out Of Band Emission
IEEE 802.11g Channel 11 20MHz Antenna 0



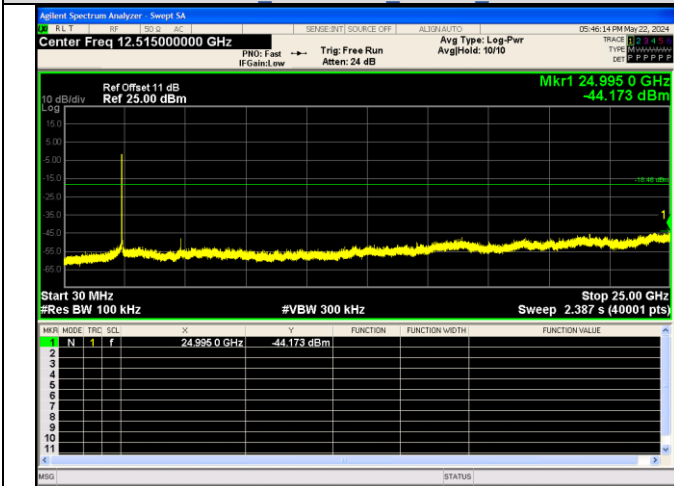
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IEEE 802.11g Channel 11 20MHz Antenna 0



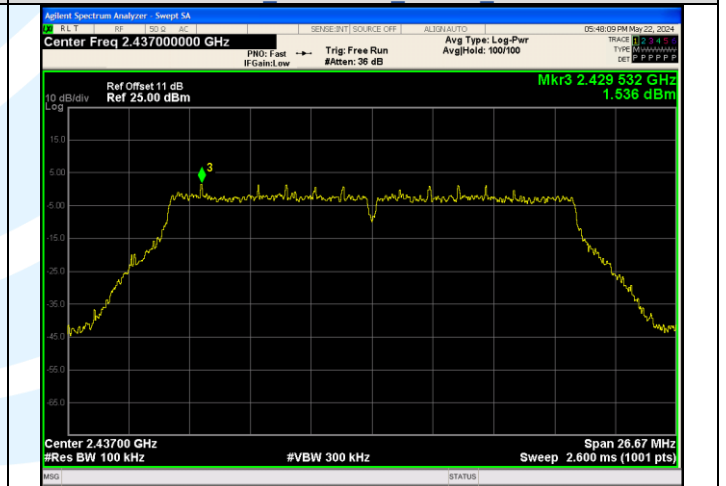
In-Band Reference Level
IEEE 802.11n Channel 1 20MHz Antenna 0



Out Of Band Emission
IEEE 802.11n Channel 1 20MHz Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 1 20MHz Antenna 0



In-Band Reference Level
IEEE 802.11n Channel 6 20MHz Antenna 0