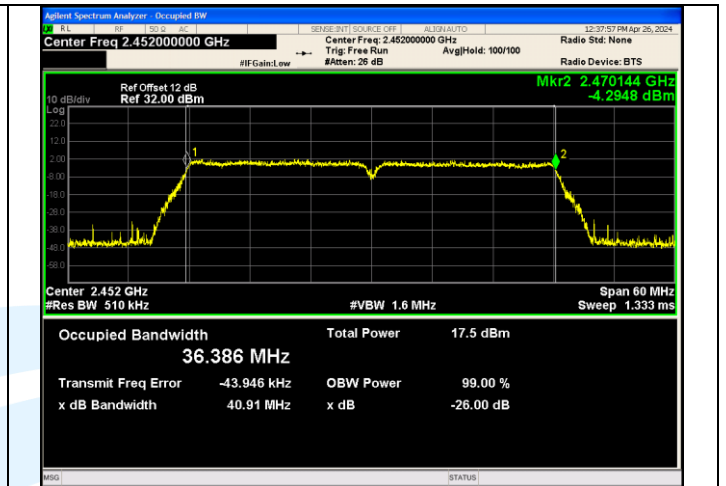
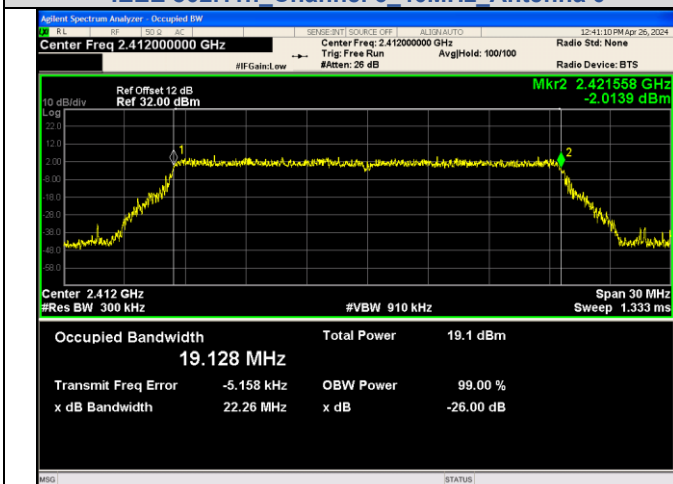


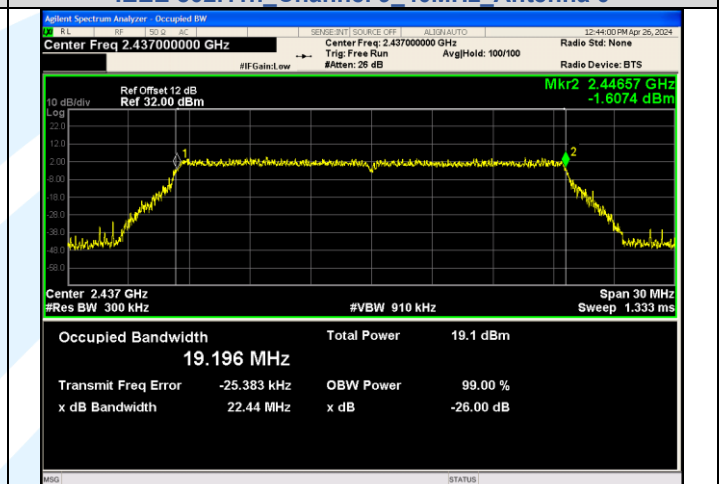
IEEE 802.11n Channel 6 40MHz Antenna 0



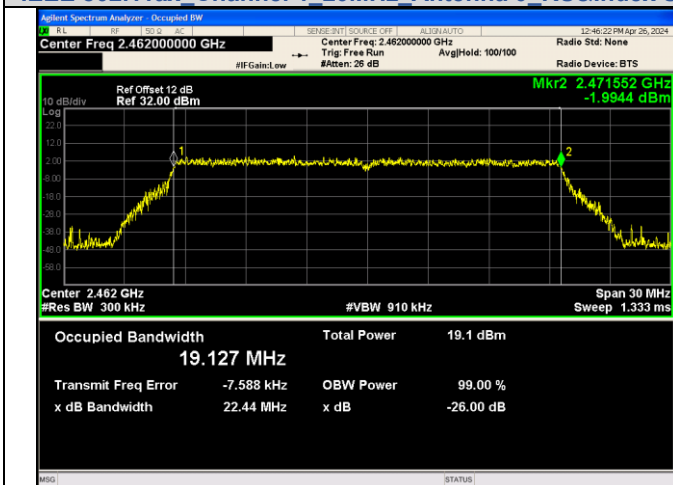
IEEE 802.11n Channel 9 40MHz Antenna 0



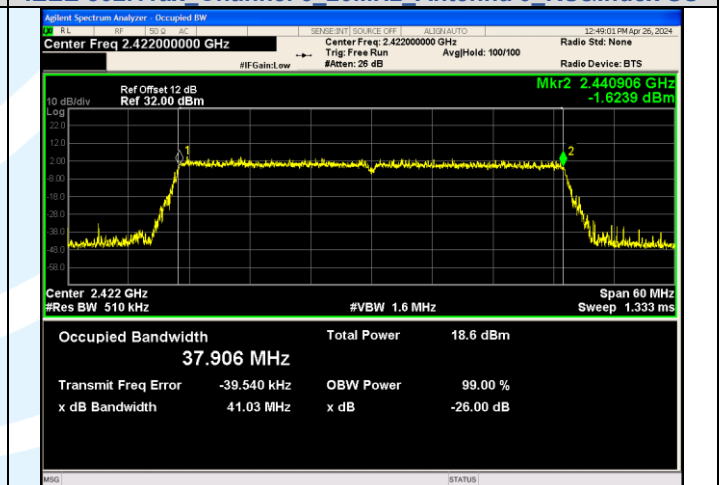
IEEE 802.11ax Channel 1 20MHz Antenna 0_RU&Index SU



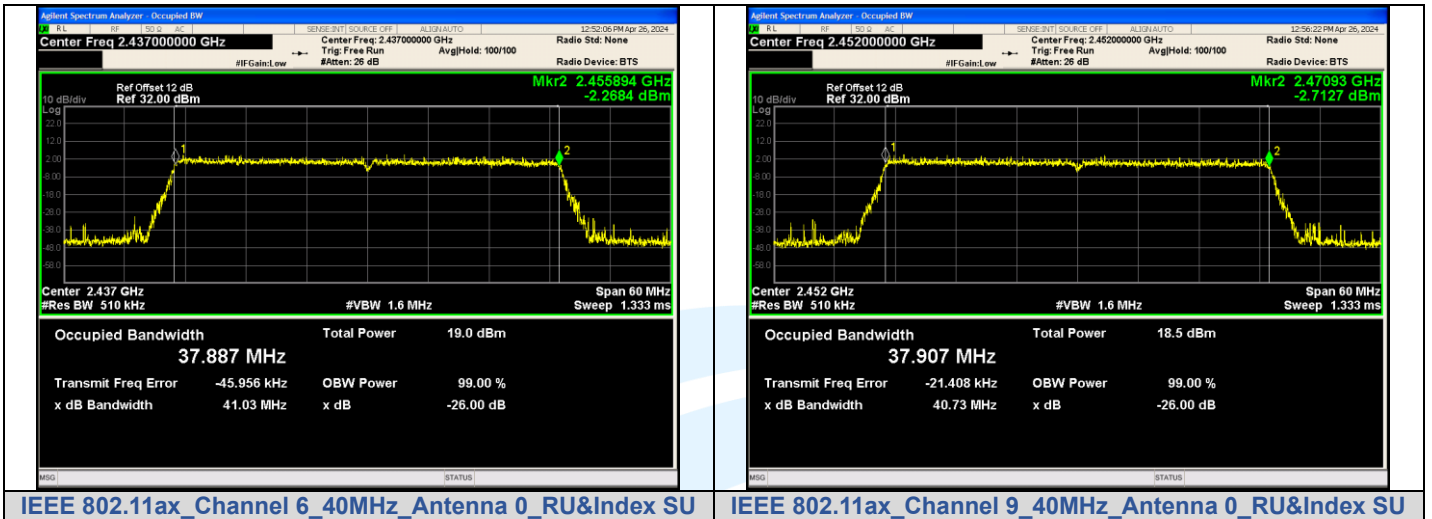
IEEE 802.11ax Channel 6 20MHz Antenna 0_RU&Index SU



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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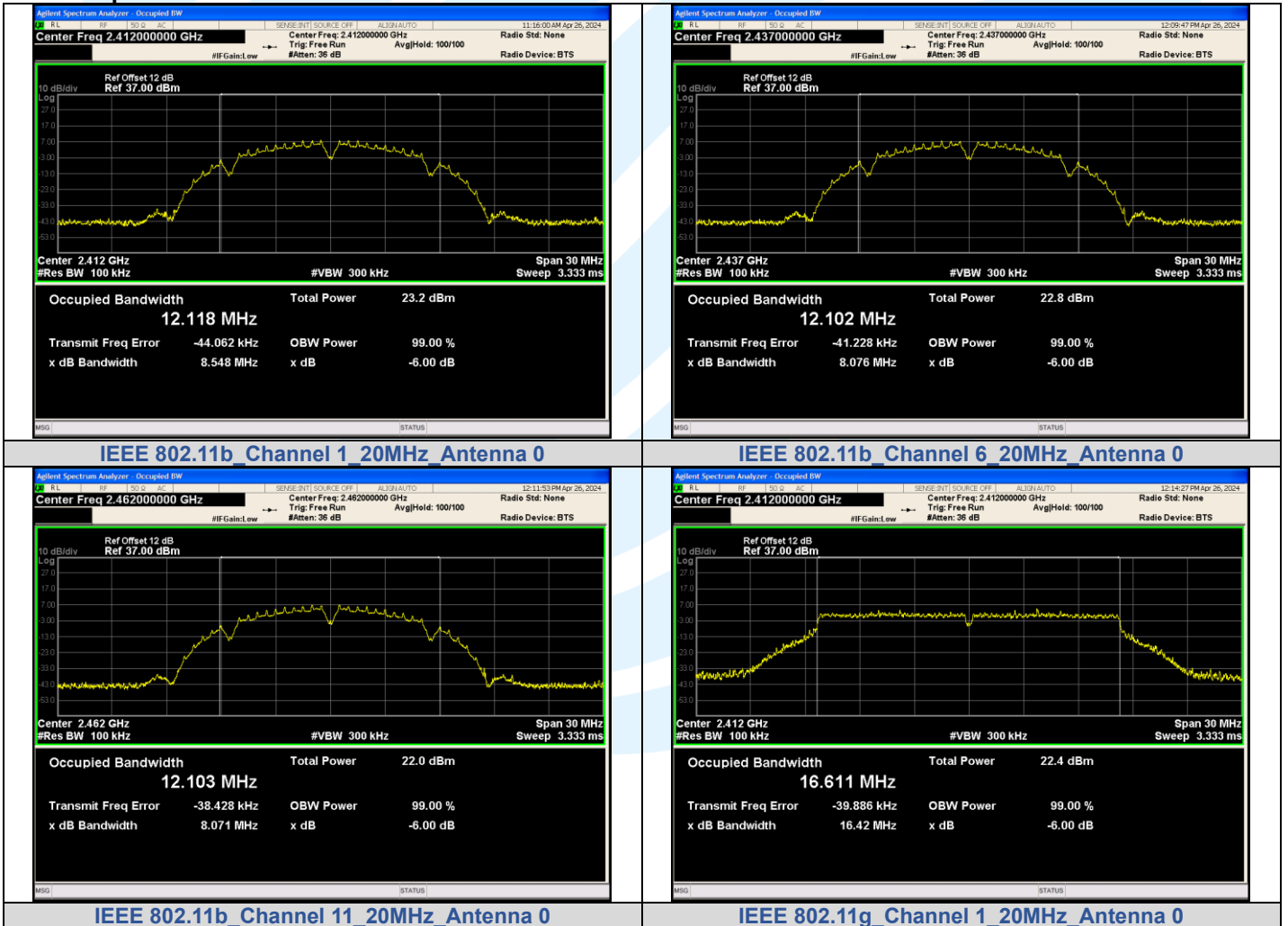
<http://www.uttlab.com>

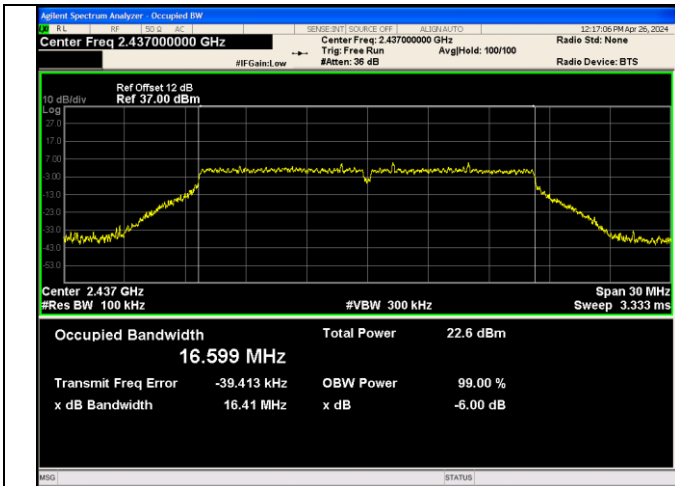
UTTR-RF-RSS247-V1.1

A.2 6DB BANDWIDTH

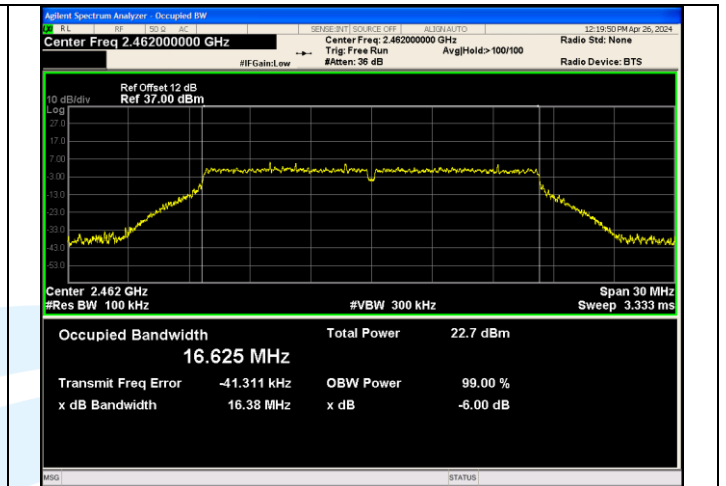
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	N/A	0	2412	8.548	0.5	PASS
	6			2437	8.076		PASS
	11			2462	8.071		PASS
IEEE 802.11g	1			2412	16.42		PASS
	6			2437	16.41		PASS
	11			2462	16.38		PASS
IEEE 802.11n_20	1			2412	17.64		PASS
	6			2437	17.64		PASS
	11			2462	17.78		PASS
IEEE 802.11n_40	3			2422	36.32		PASS
	6			2437	36.37		PASS
	9			2452	36.31		PASS
IEEE 802.11ax_20	1	SU	0	2412	19.01	0.5	PASS
	6			2437	19.06		PASS
	11			2462	19.03		PASS
IEEE 802.11ax_40	3			2422	37.89		PASS
	6			2437	38.11		PASS
	9			2452	38.06		PASS

Test Graphs

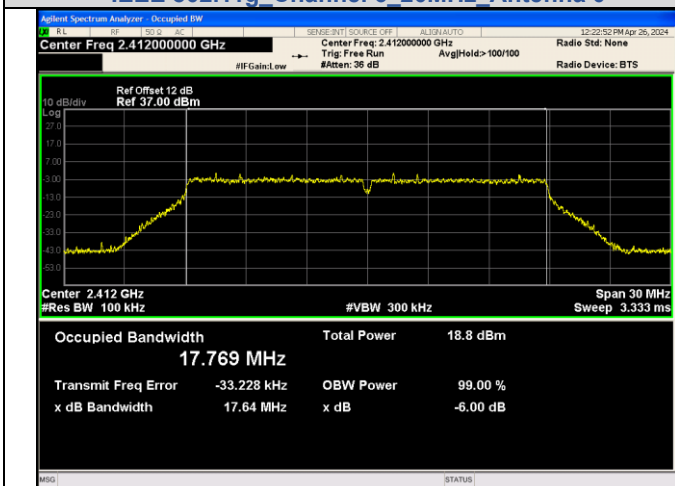




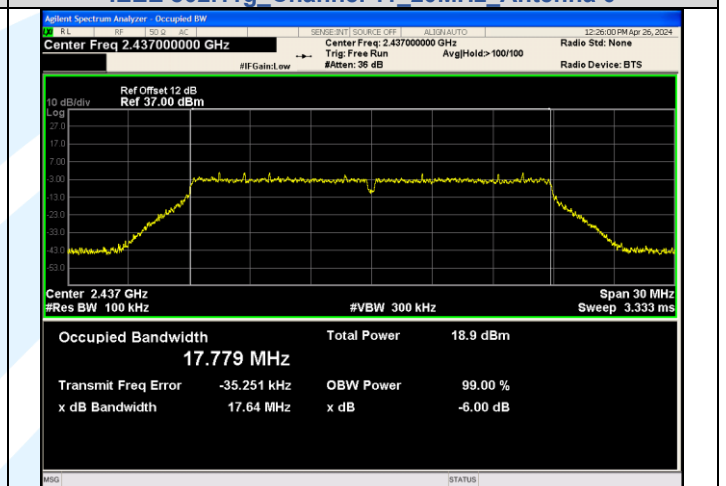
IEEE 802.11g Channel 6 20MHz Antenna 0



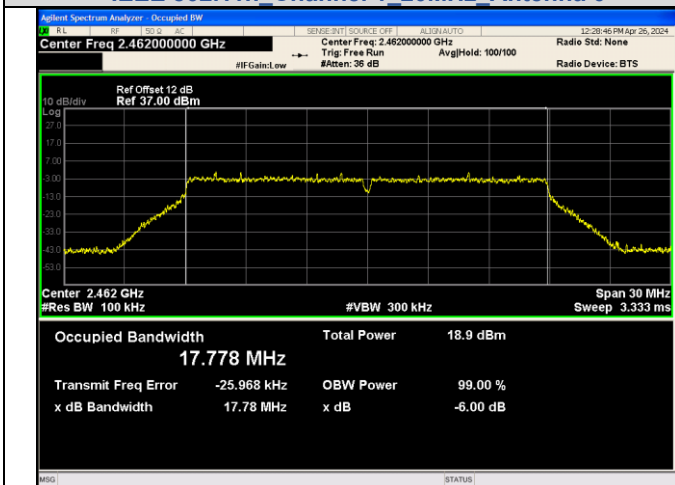
IEEE 802.11g Channel 11 20MHz Antenna 0



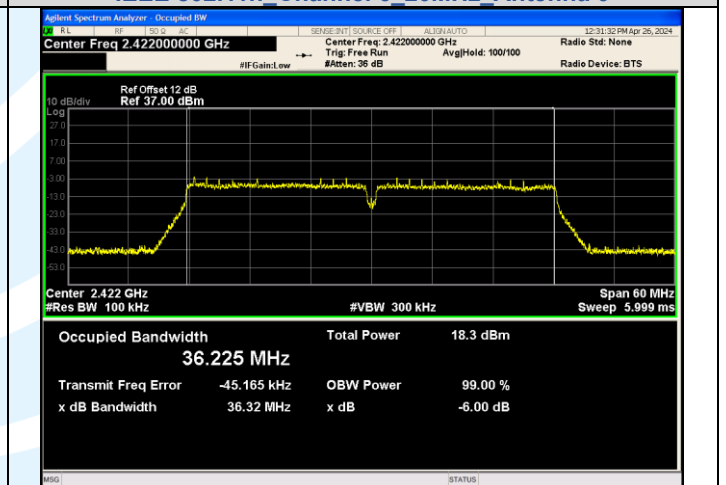
IEEE 802.11n Channel 1 20MHz Antenna 0



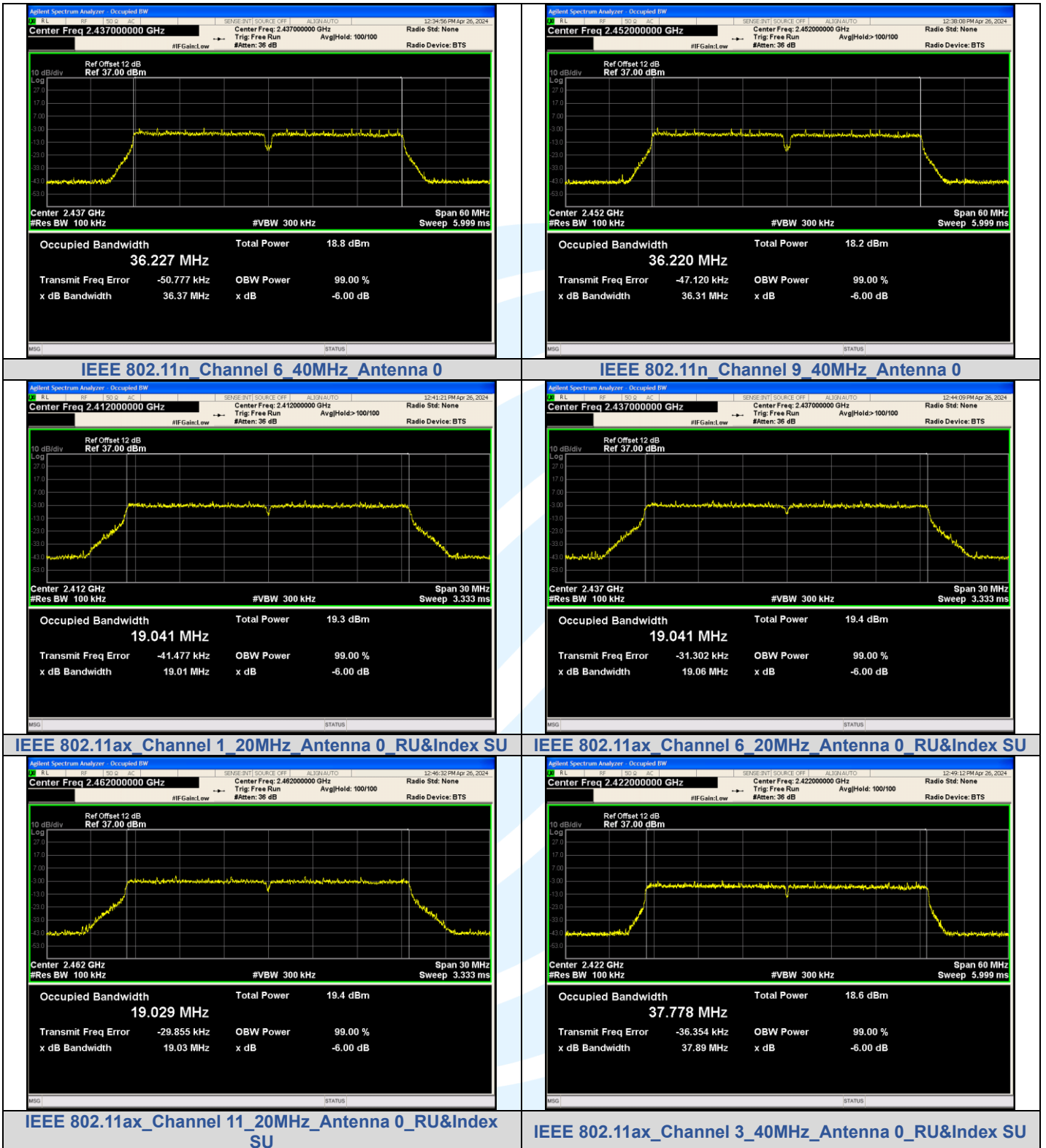
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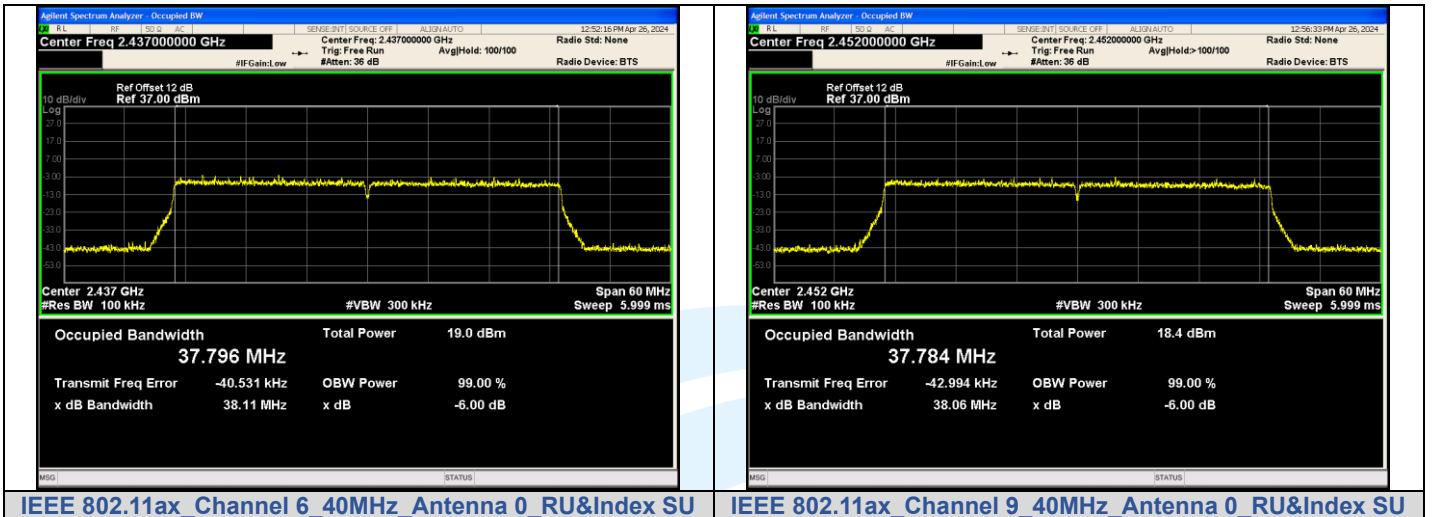


IEEE 802.11n Channel 11 20MHz Antenna 0



IEEE 802.11n Channel 3 40MHz Antenna 0





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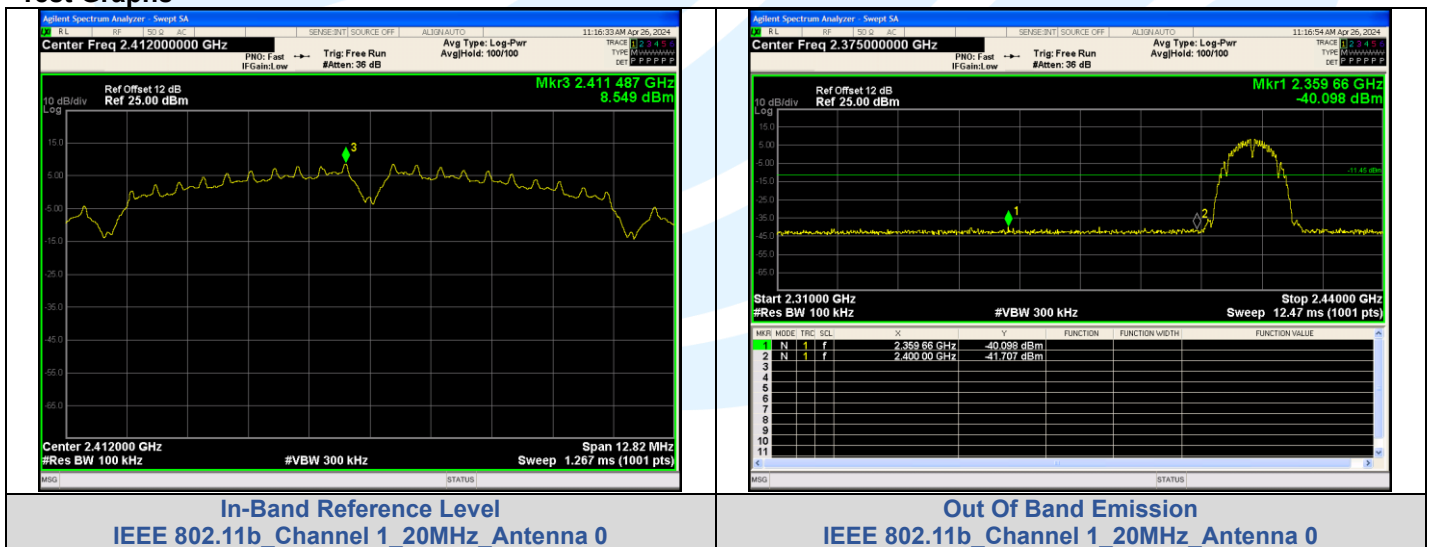
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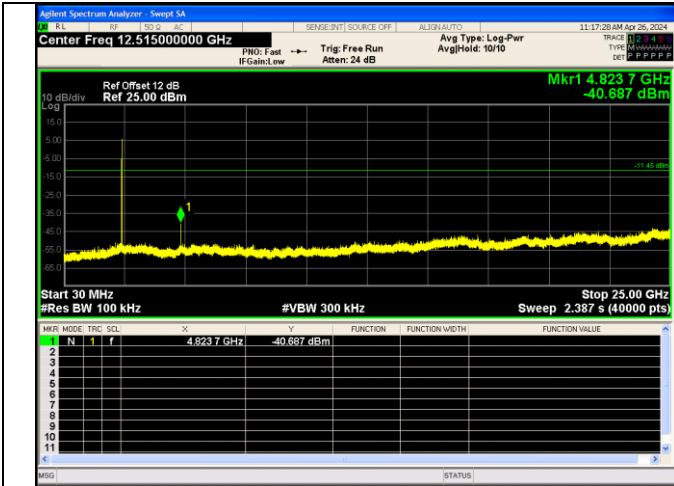
UTTR-RF-RSS247-V1.1

A.3 CONDUCTED OUT OF BAND EMISSION

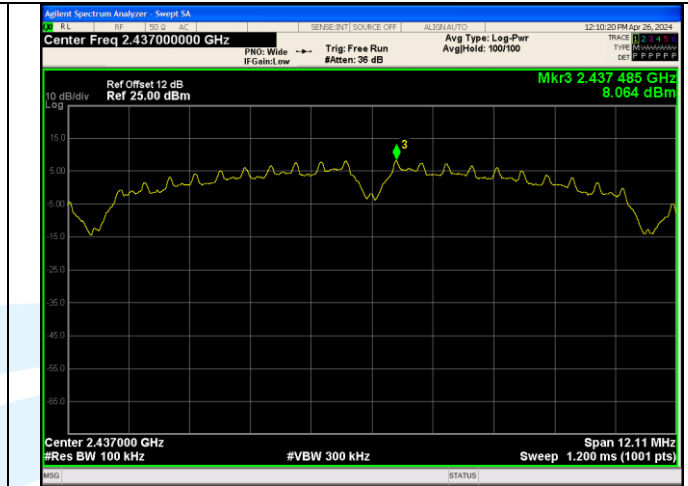
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	N/A	0	2400.00	-41.707	-11.45	-30.257	PASS
				2359.66	-40.097	-11.45	-28.647	PASS
				4823.70	-40.687	-11.45	-29.237	PASS
				4873.68	-41.697	-11.94	-29.757	PASS
				2483.50	-42.644	-12.53	-30.114	PASS
IEEE 802.11g	6			4924.24	-41.967	-12.53	-29.437	PASS
				2400.00	-32.163	-14.87	-17.293	PASS
				24147.9	-44.033	-14.87	-29.163	PASS
IEEE 802.11n_20	11			24303.9	-43.157	-14.78	-28.377	PASS
				2483.50	-41.275	-14.6	-26.675	PASS
				24243.4	-43.342	-14.6	-28.742	PASS
IEEE 802.11n_40	1			2400.00	-37.320	-18.94	-18.380	PASS
				24956.3	-43.396	-18.94	-24.456	PASS
				24435.7	-42.861	-18.73	-24.131	PASS
				2483.50	-41.846	-18.76	-23.086	PASS
IEEE 802.11ax_20	6	24402.6	-43.721	-18.76	-24.961	PASS		
		2400.00	-39.094	-22.03	-17.064	PASS		
		24621.7	-43.319	-22.03	-21.289	PASS		
		24409.4	-43.250	-21.68	-21.570	PASS		
IEEE 802.11ax_40	9	2483.50	-42.010	-22.12	-19.890	PASS		
		24476.9	-43.426	-22.12	-21.306	PASS		
		2400.00	-35.477	-18.93	-16.547	PASS		
		24876.4	-43.463	-18.93	-24.533	PASS		
IEEE 802.11ax_20	11	24336.4	-42.851	-18.93	-23.921	PASS		
		2483.50	-42.599	-19.17	-23.429	PASS		
		24326.4	-43.614	-19.17	-24.444	PASS		
		2400.00	-40.267	-22.12	-18.147	PASS		
IEEE 802.11ax_40	3	2397.36	-39.738	-22.12	-17.618	PASS		
		24966.9	-43.660	-22.12	-21.540	PASS		
		24372.6	-43.208	-22.1	-21.108	PASS		
		2483.50	-41.769	-23.03	-18.739	PASS		
IEEE 802.11ax_40	9	24924.5	-43.136	-23.03	-20.106	PASS		

Test Graphs

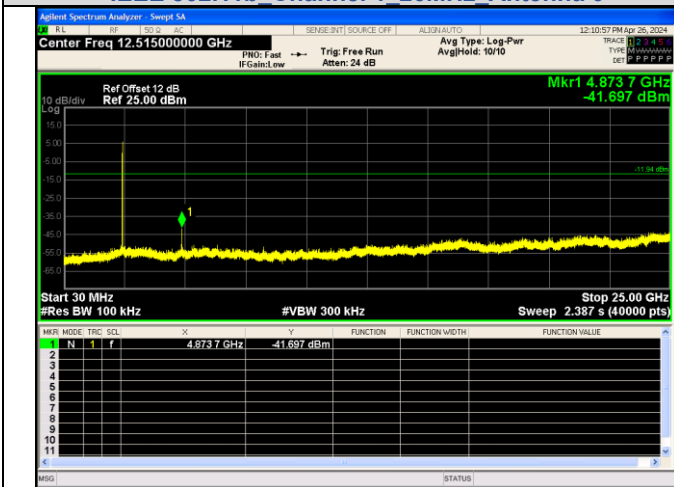




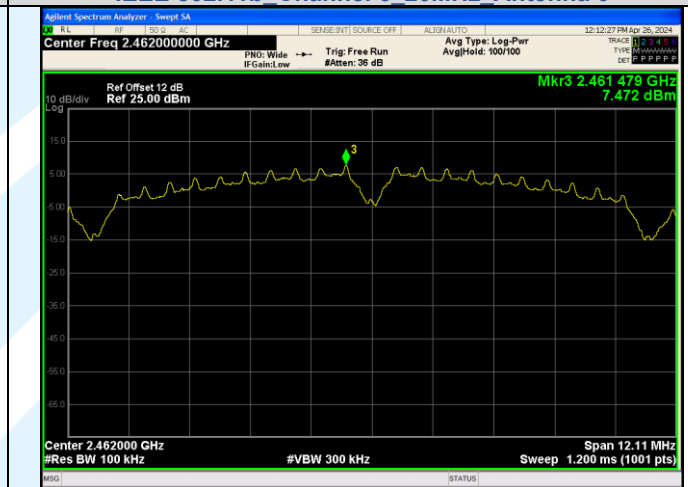
Spurious Emission
IEEE 802.11b Channel 1 20MHz Antenna 0



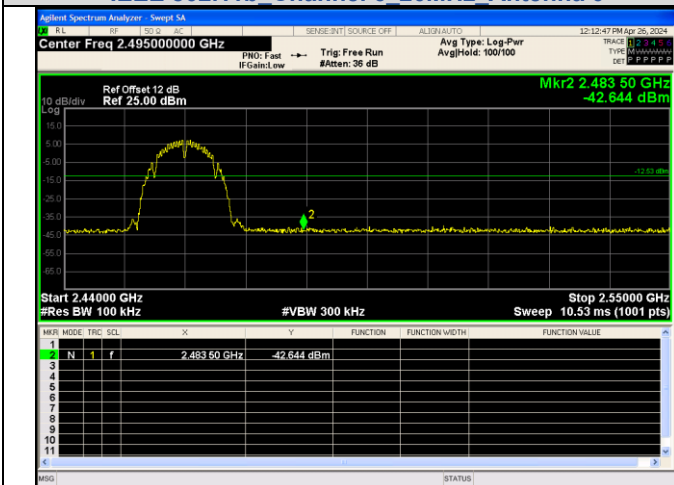
In-Band Reference Level
IEEE 802.11b Channel 6 20MHz Antenna 0



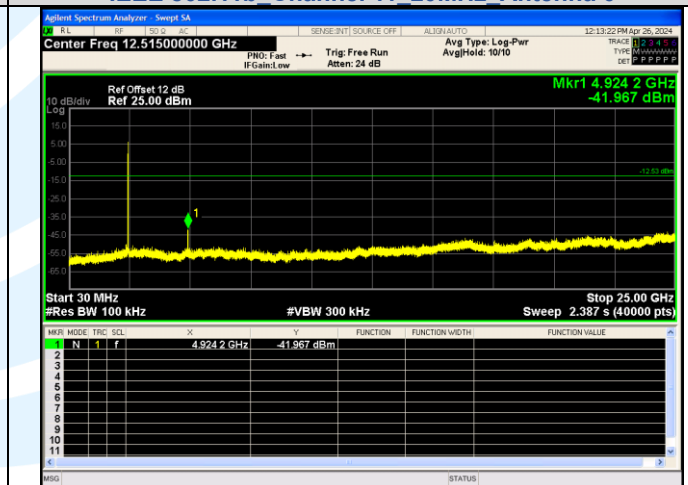
Spurious Emissions
IEEE 802.11b Channel 6 20MHz Antenna 0



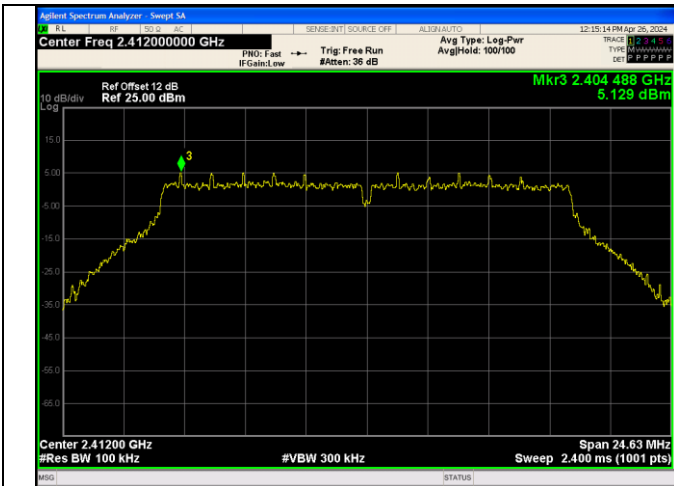
In-Band Reference Level
IEEE 802.11b Channel 11 20MHz Antenna 0



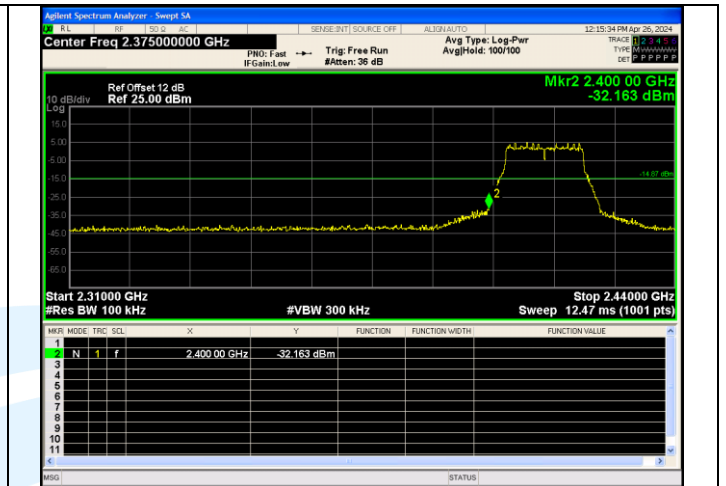
Out Of Band Emission
IEEE 802.11b Channel 11 20MHz Antenna 0



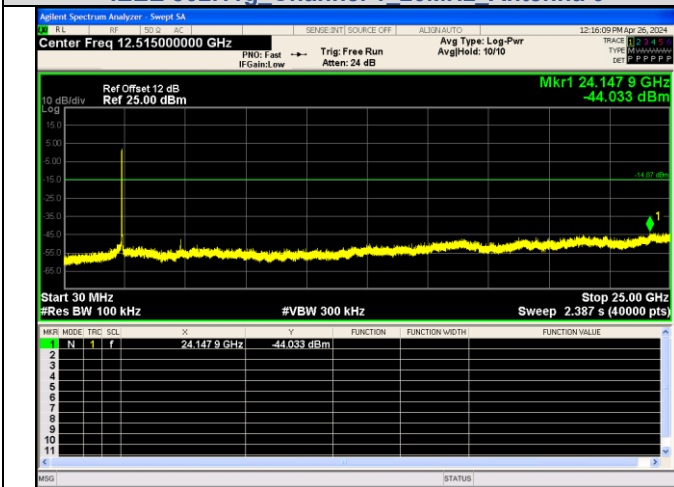
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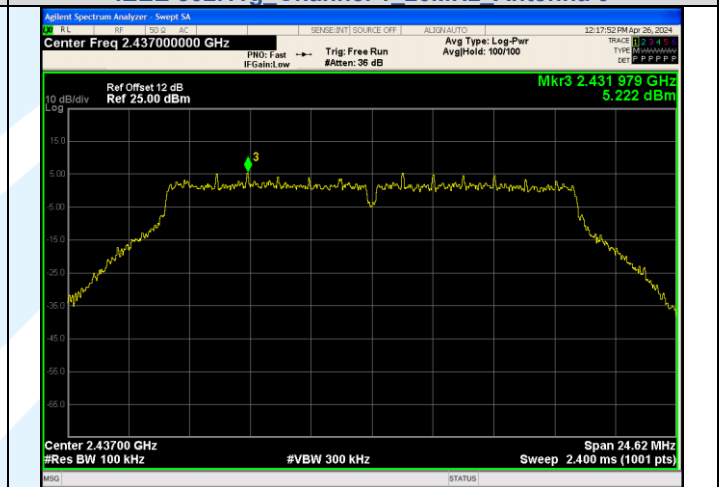
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IEEE 802.11g Channel 1 20MHz Antenna 0



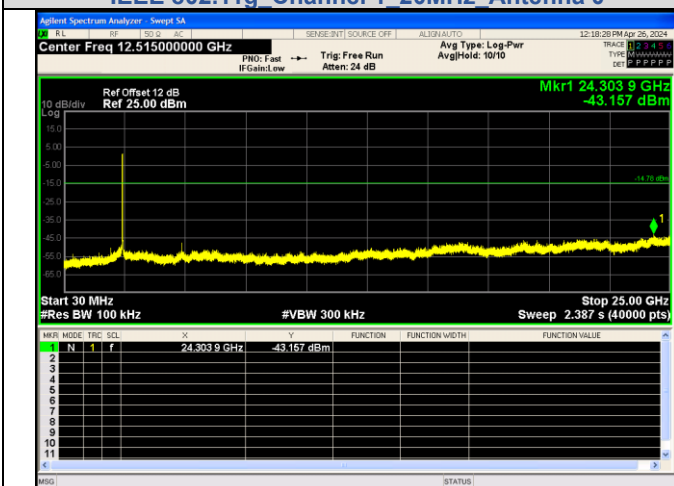
Out Of Band Emission
IEEE 802.11g Channel 1 20MHz Antenna 0



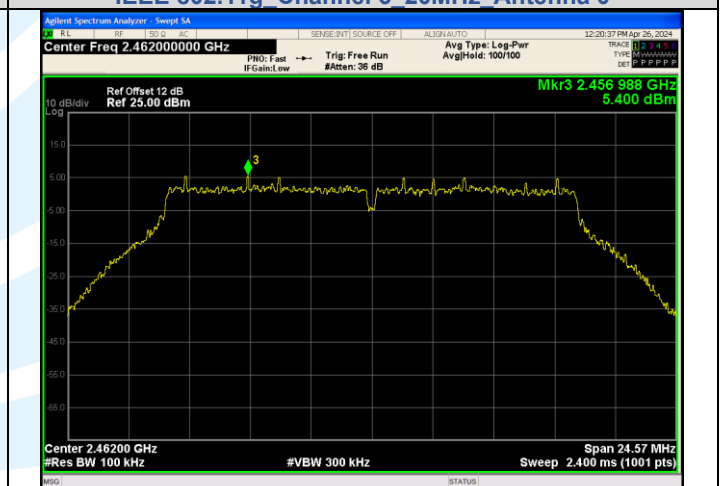
Spurious Emission
IEEE 802.11g Channel 1 20MHz Antenna 0



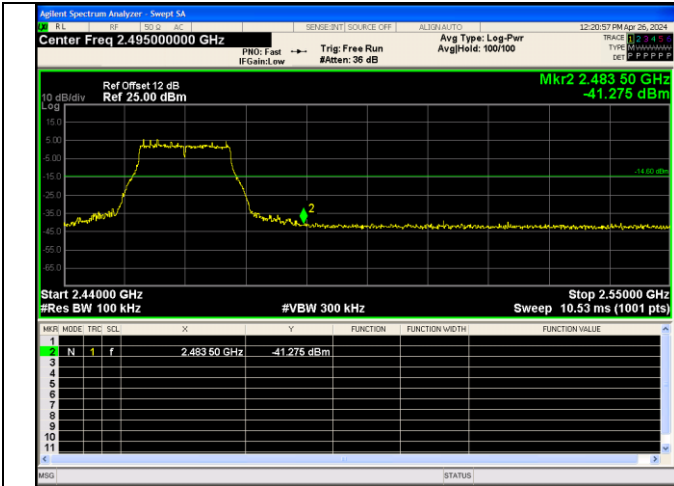
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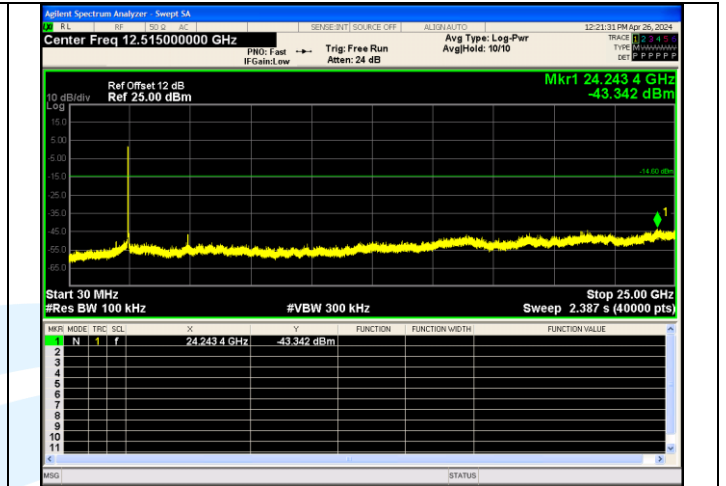
Spurious Emissions
IEEE 802.11g Channel 6 20MHz Antenna 0



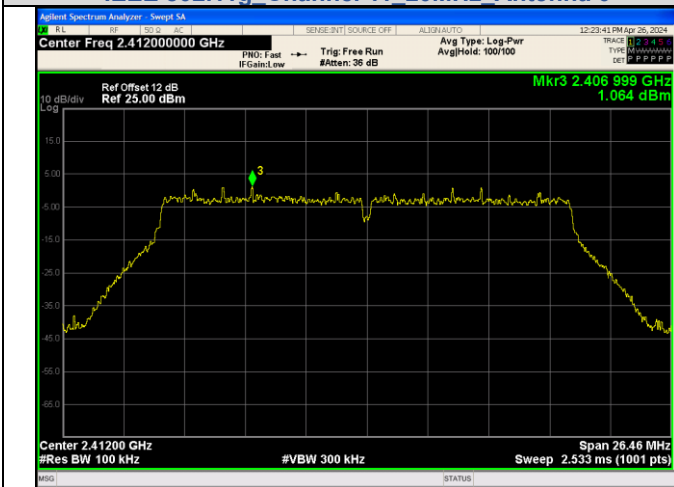
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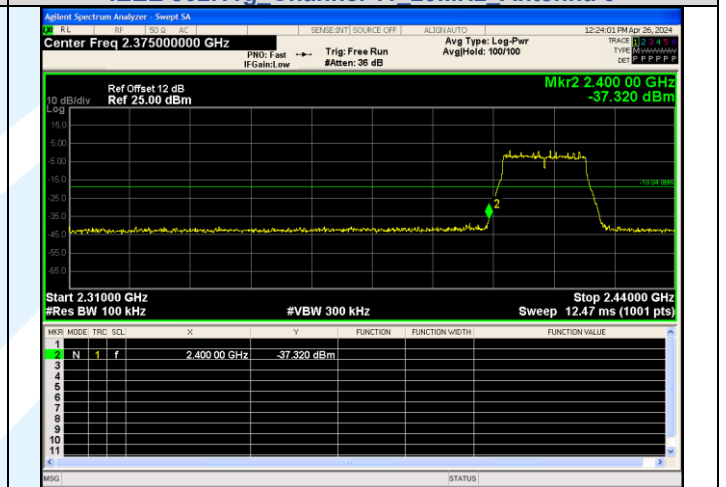
Out Of Band Emission
IEEE 802.11g Channel 11 20MHz Antenna 0



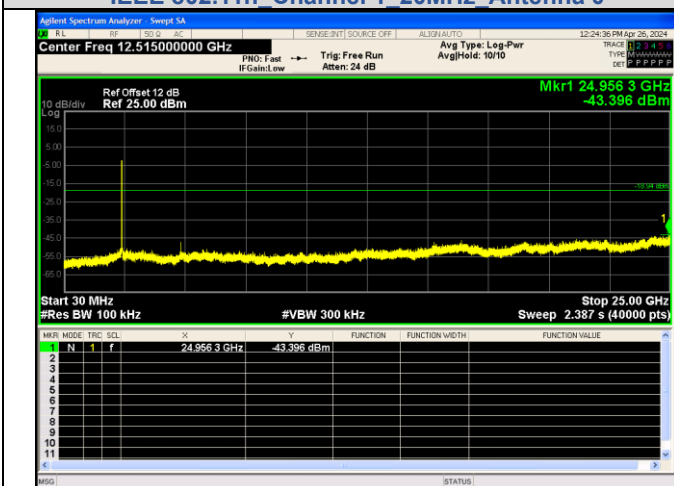
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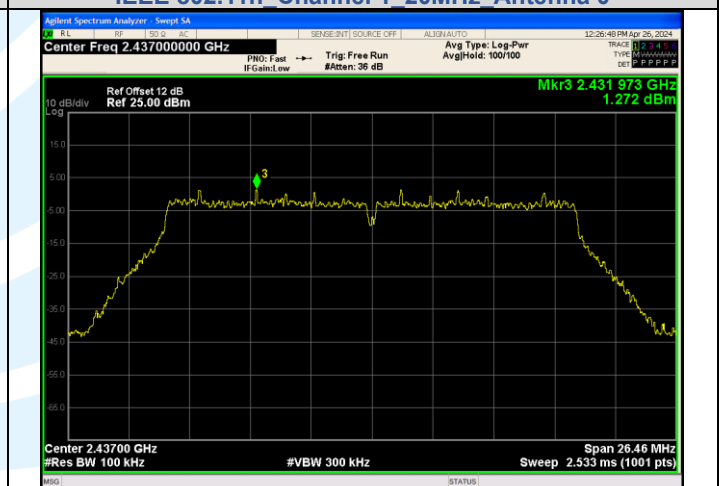
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IEEE 802.11n Channel 1 20MHz Antenna 0



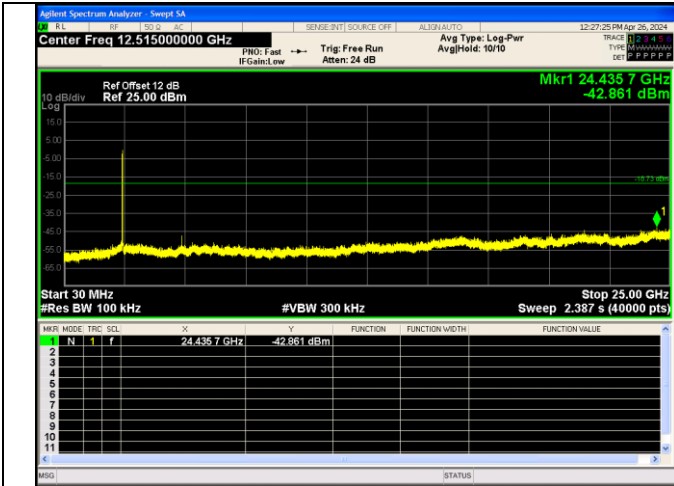
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IEEE 802.11n Channel 1 20MHz Antenna 0



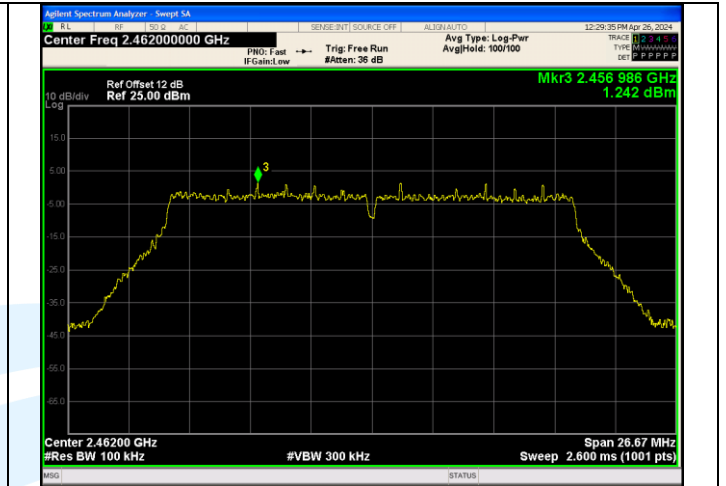
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IEEE 802.11n Channel 1 20MHz Antenna 0



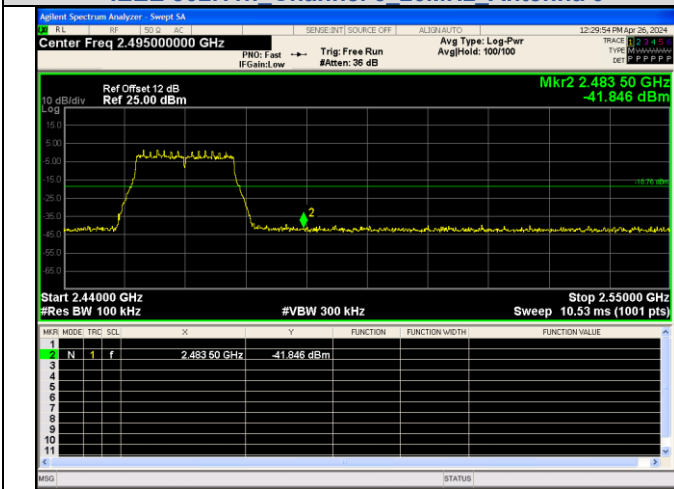
In-Band Reference Level
IEEE 802.11n Channel 6 20MHz Antenna 0



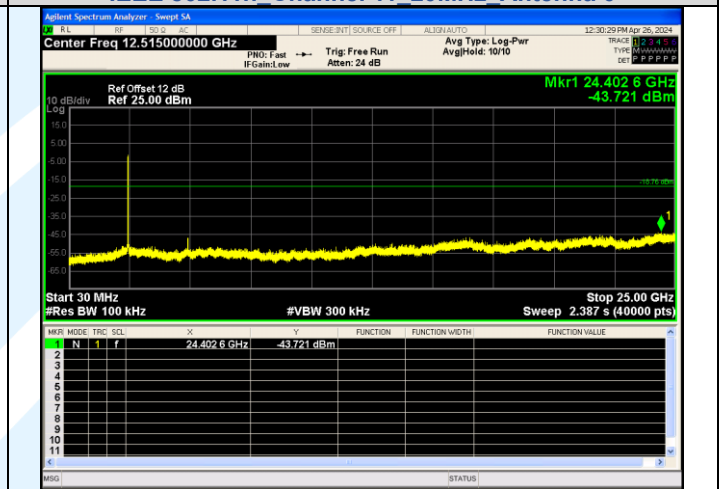
Spurious Emissions
IEEE 802.11n Channel 6 20MHz Antenna 0



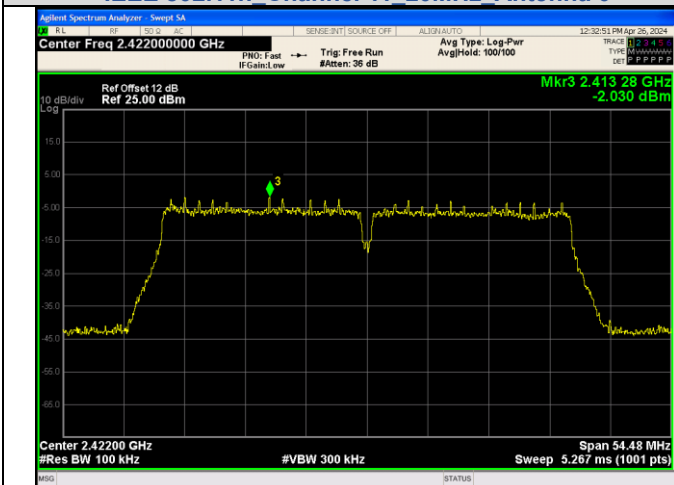
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IEEE 802.11n Channel 11 20MHz Antenna 0



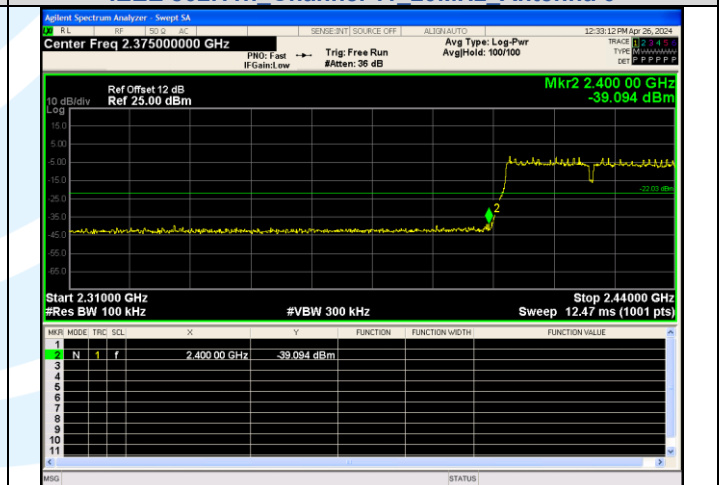
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IEEE 802.11n Channel 11 20MHz Antenna 0



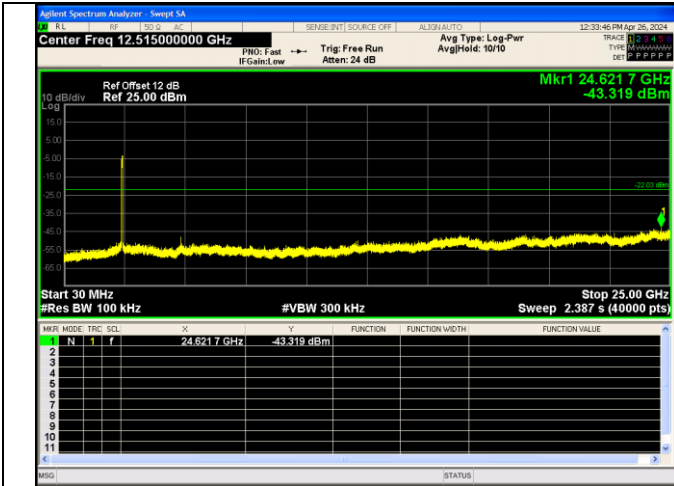
Spurious Emission
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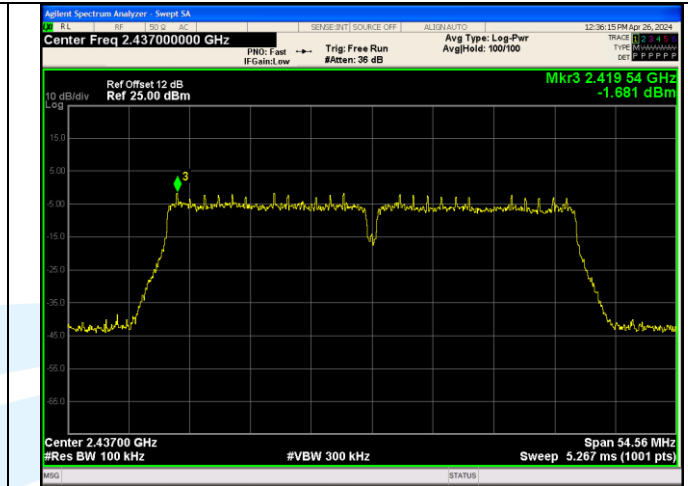
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IEEE 802.11n Channel 3 40MHz Antenna 0



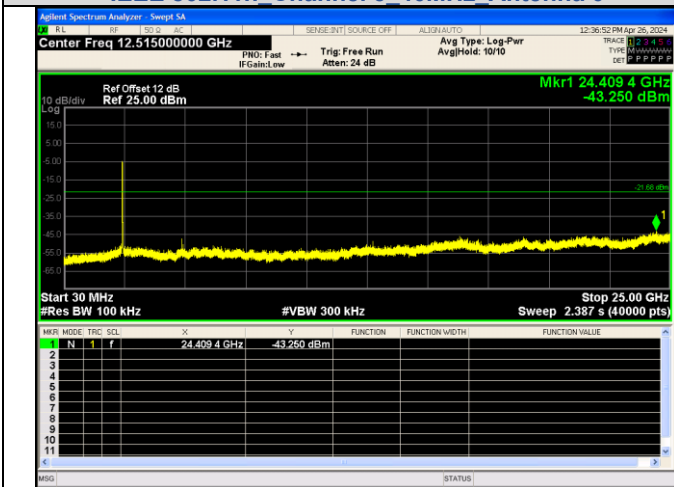
Out Of Band Emission
IEEE 802.11n Channel 3 40MHz Antenna 0



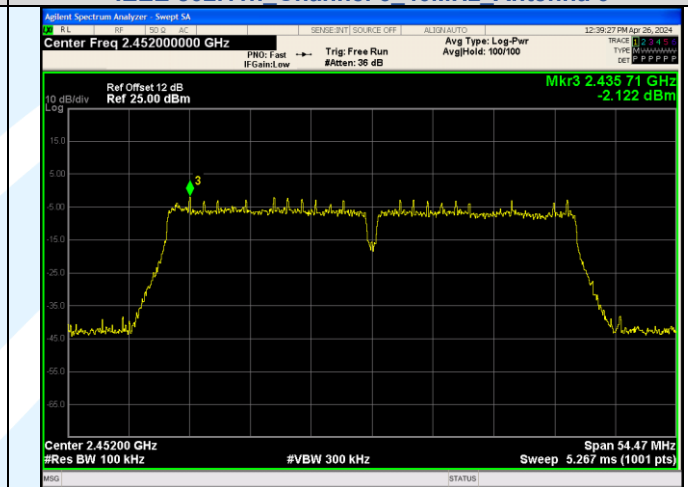
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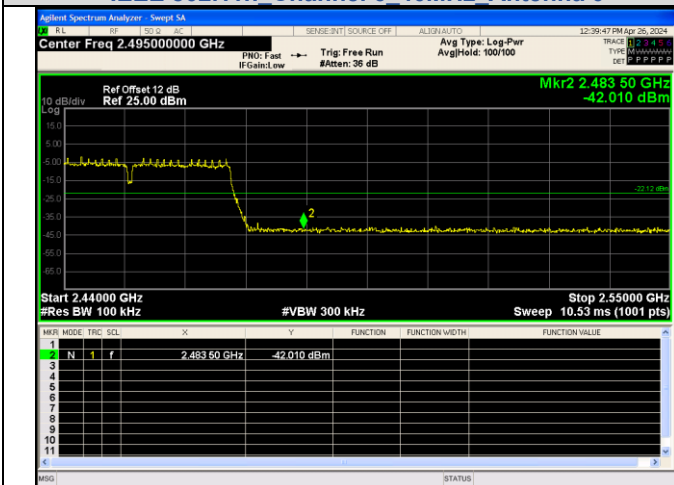
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IEEE 802.11n Channel 6 40MHz Antenna 0



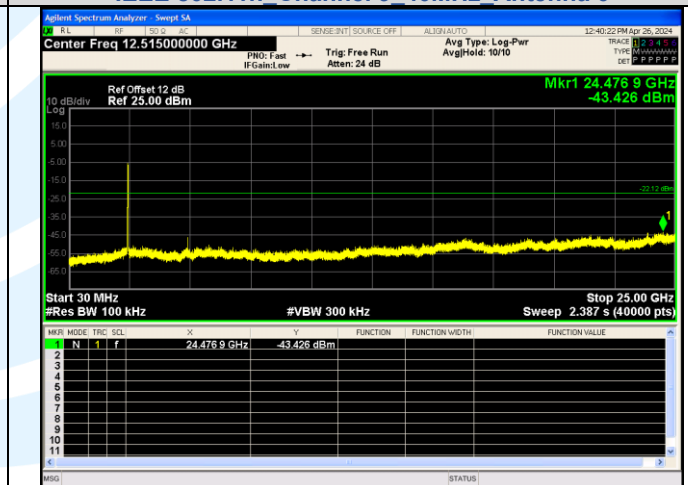
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IEEE 802.11n Channel 6 40MHz Antenna 0



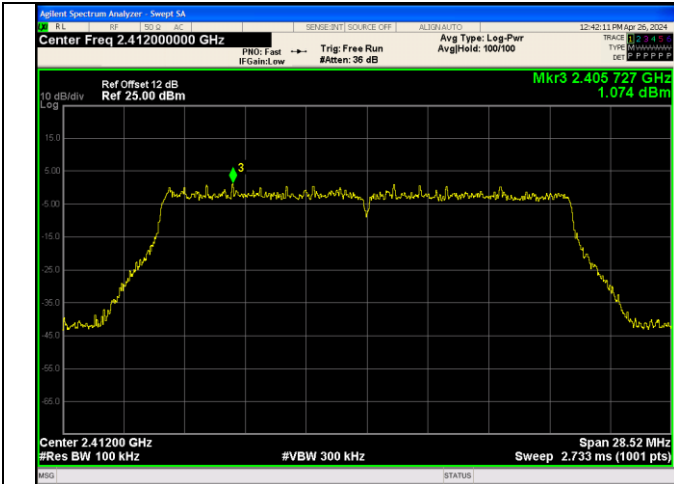
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IEEE 802.11n Channel 9 40MHz Antenna 0



Out Of Band Emission
IEEE 802.11n Channel 9 40MHz Antenna 0

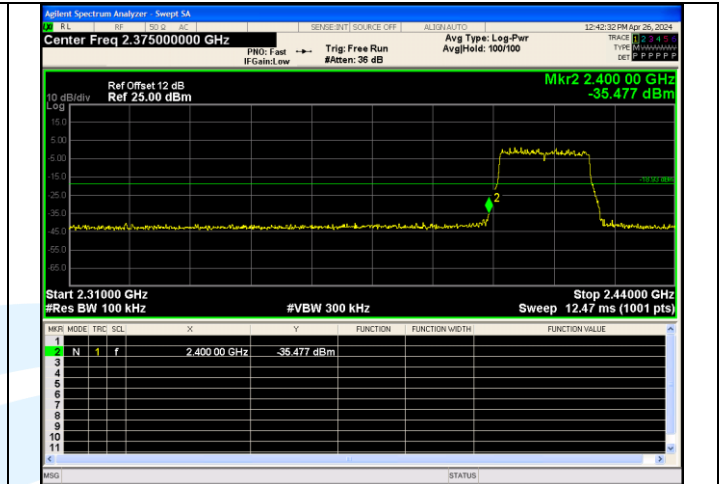


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IEEE 802.11n Channel 9 40MHz Antenna 0



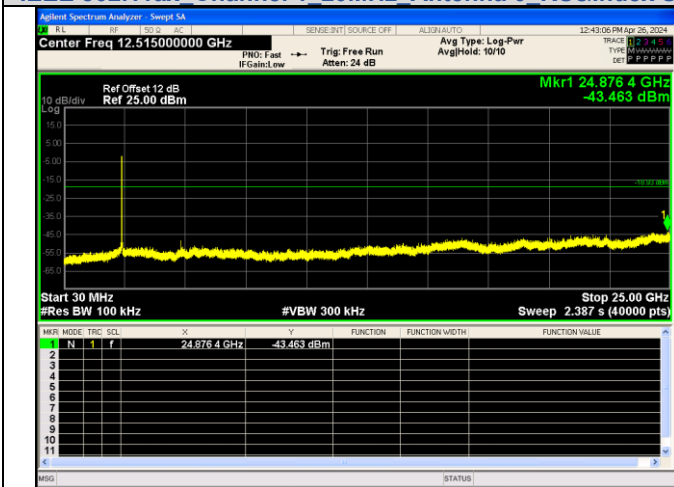
In-Band Reference Level

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



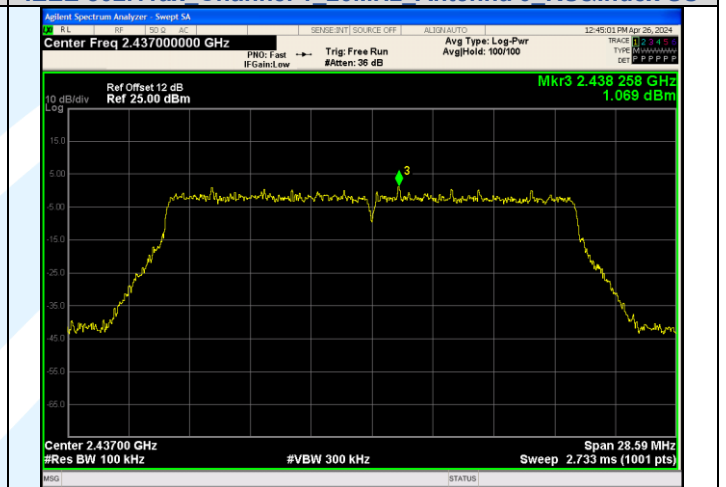
Out Of Band Emission

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



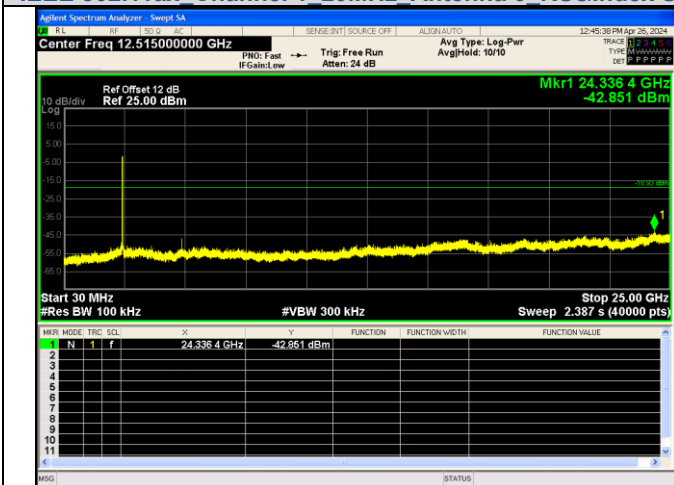
Spurious Emission

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



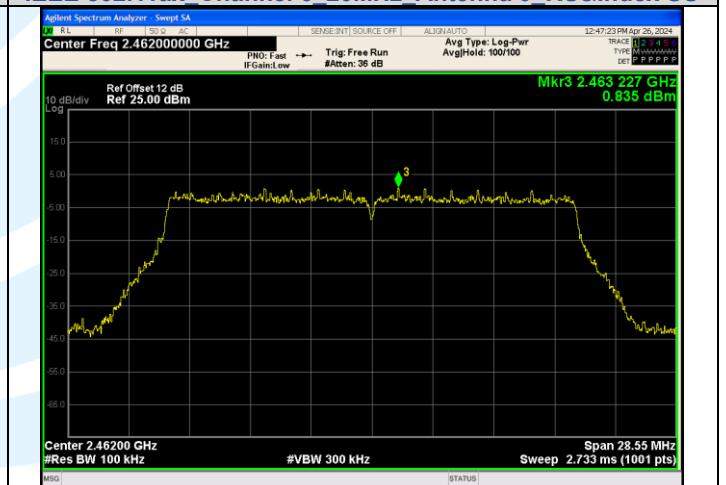
In-Band Reference Level

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



Spurious Emissions

IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU



In-Band Reference Level

IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU