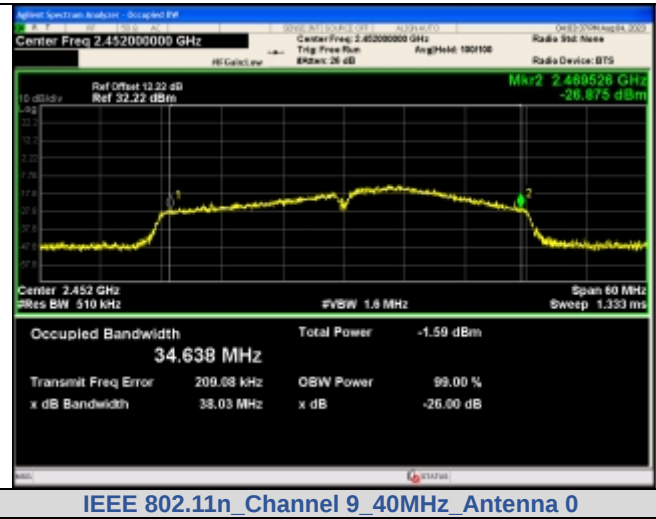
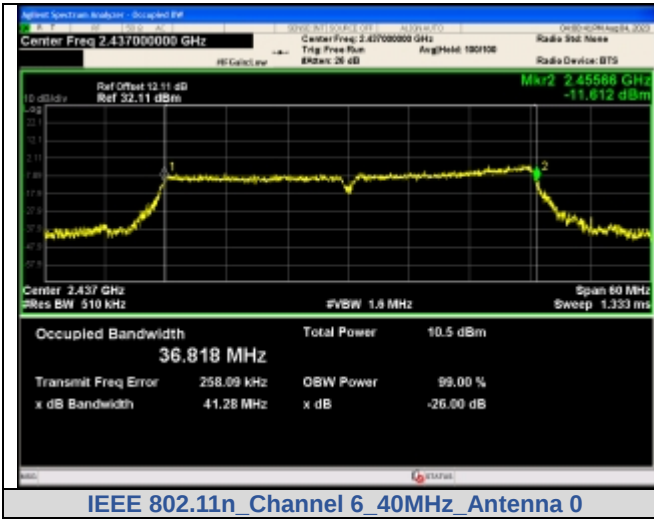




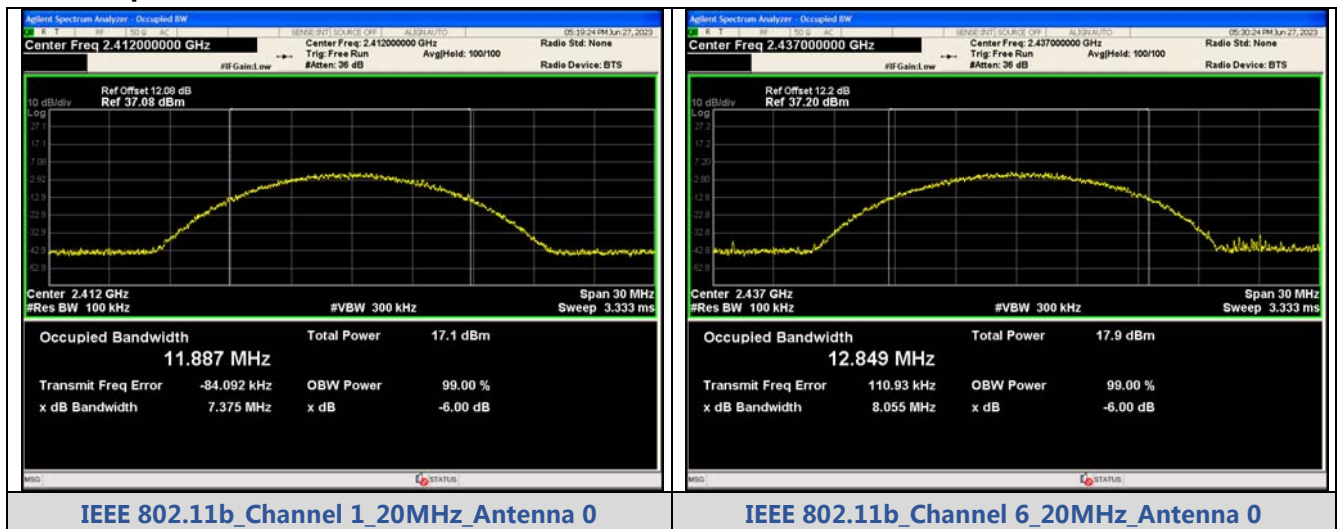
APPENDIX III.6dB Bandwidth

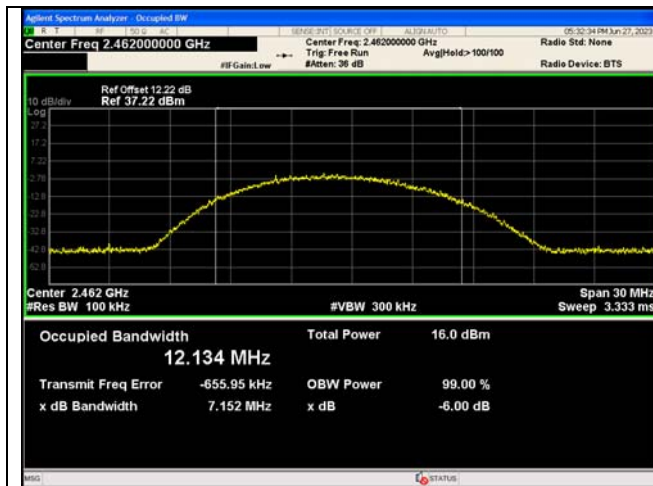
Test Result

Antenna A:

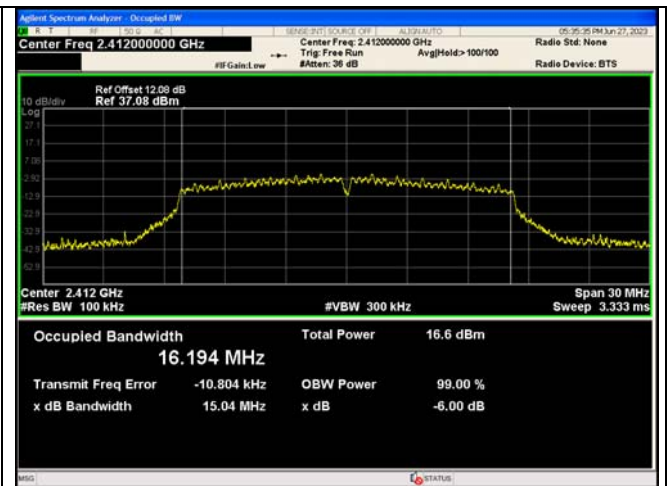
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	7.375	0.5	PASS
	6		2437	8.055		PASS
	11		2462	7.152		PASS
IEEE 802.11g	1		2412	15.04		PASS
	6		2437	16.40		PASS
	11		2462	11.95		PASS
IEEE 802.11n_20	1		2412	15.05		PASS
	6		2437	17.29		PASS
	11		2462	12.45		PASS
IEEE 802.11n_40	3		2422	25.07		PASS
	6		2437	35.78		PASS
	9		2452	16.34		PASS

Test Graphs

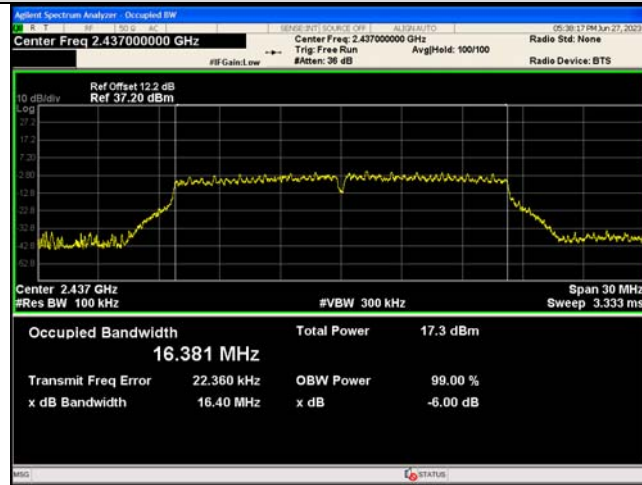




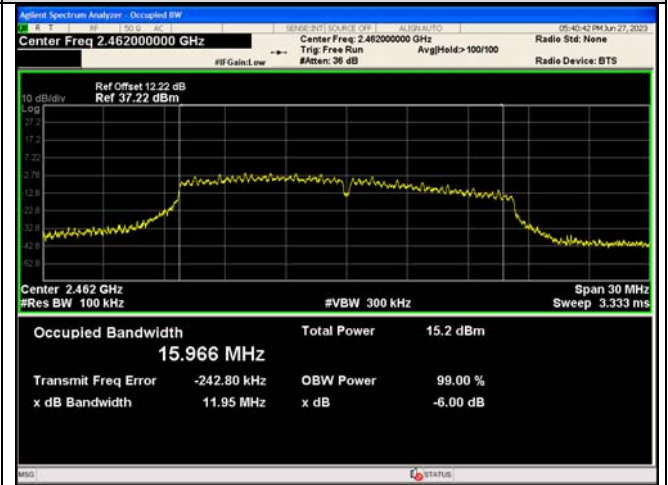
IEEE 802.11b_Channel 11_20MHz_Antenna 0



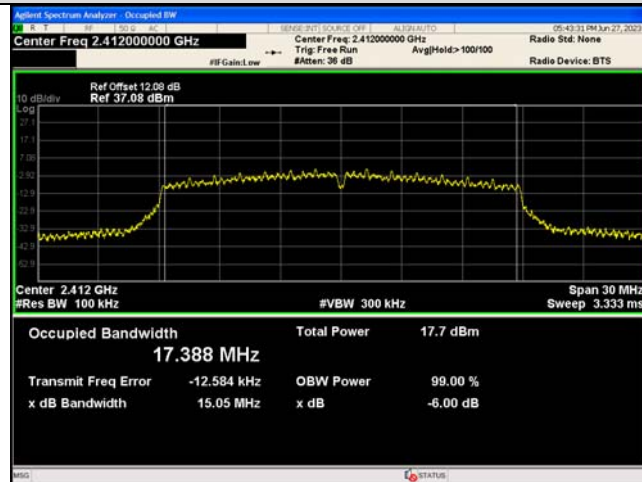
IEEE 802.11g_Channel 1_20MHz_Antenna 0



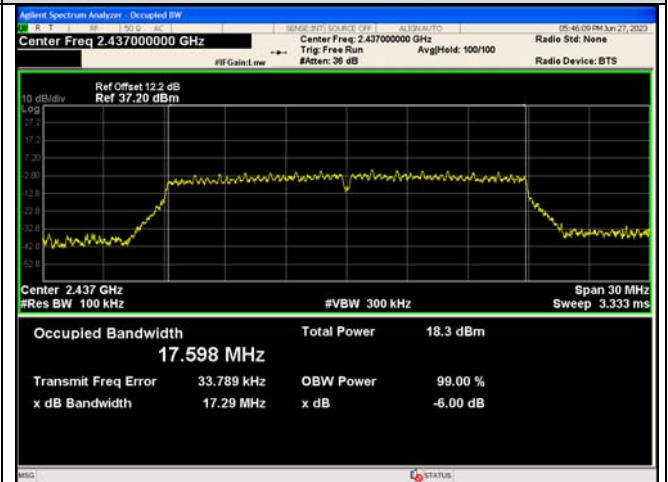
IEEE 802.11g_Channel 6_20MHz_Antenna 0



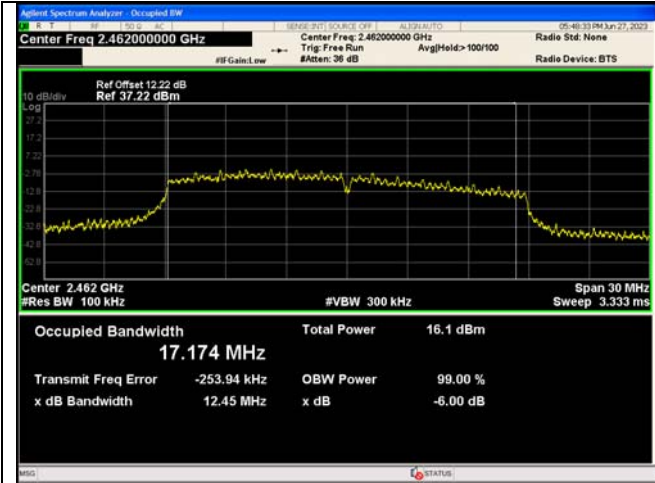
IEEE 802.11g_Channel 11_20MHz_Antenna 0



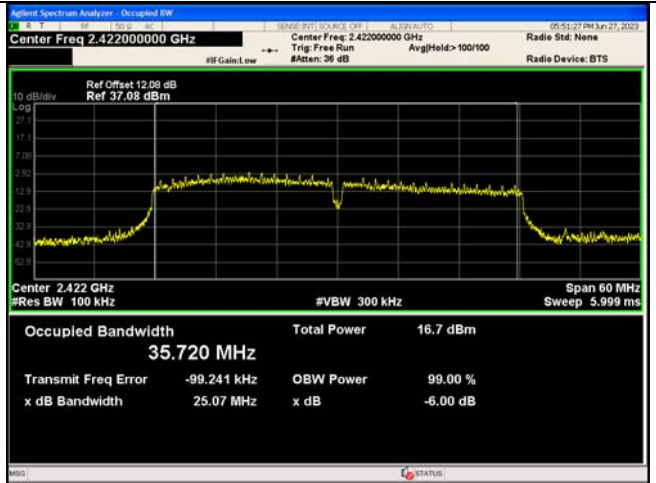
IEEE 802.11n_Channel 1_20MHz_Antenna 0



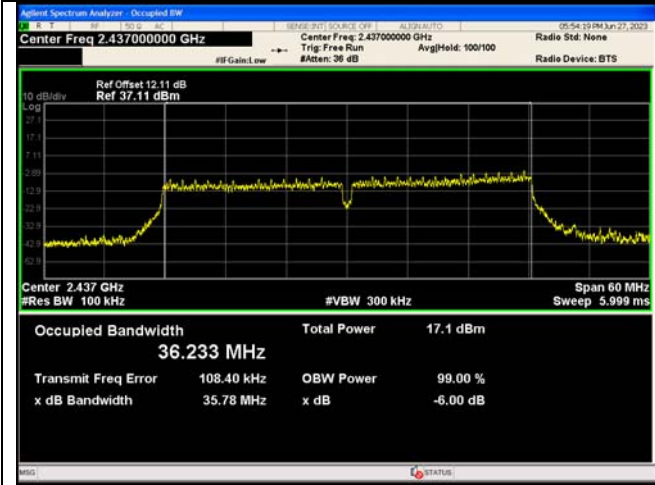
IEEE 802.11n_Channel 6_20MHz_Antenna 0



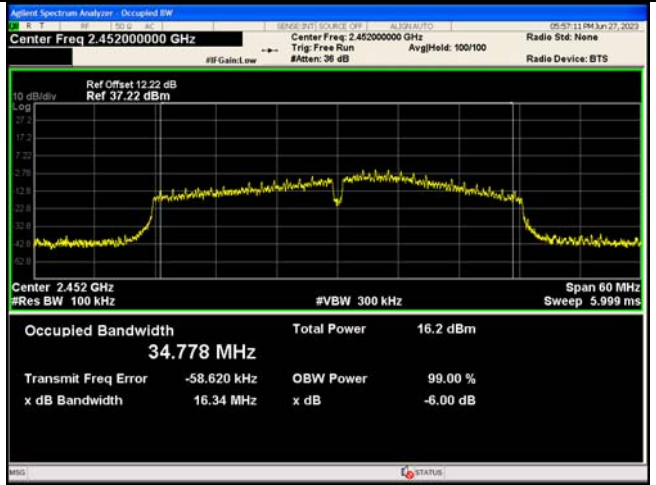
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



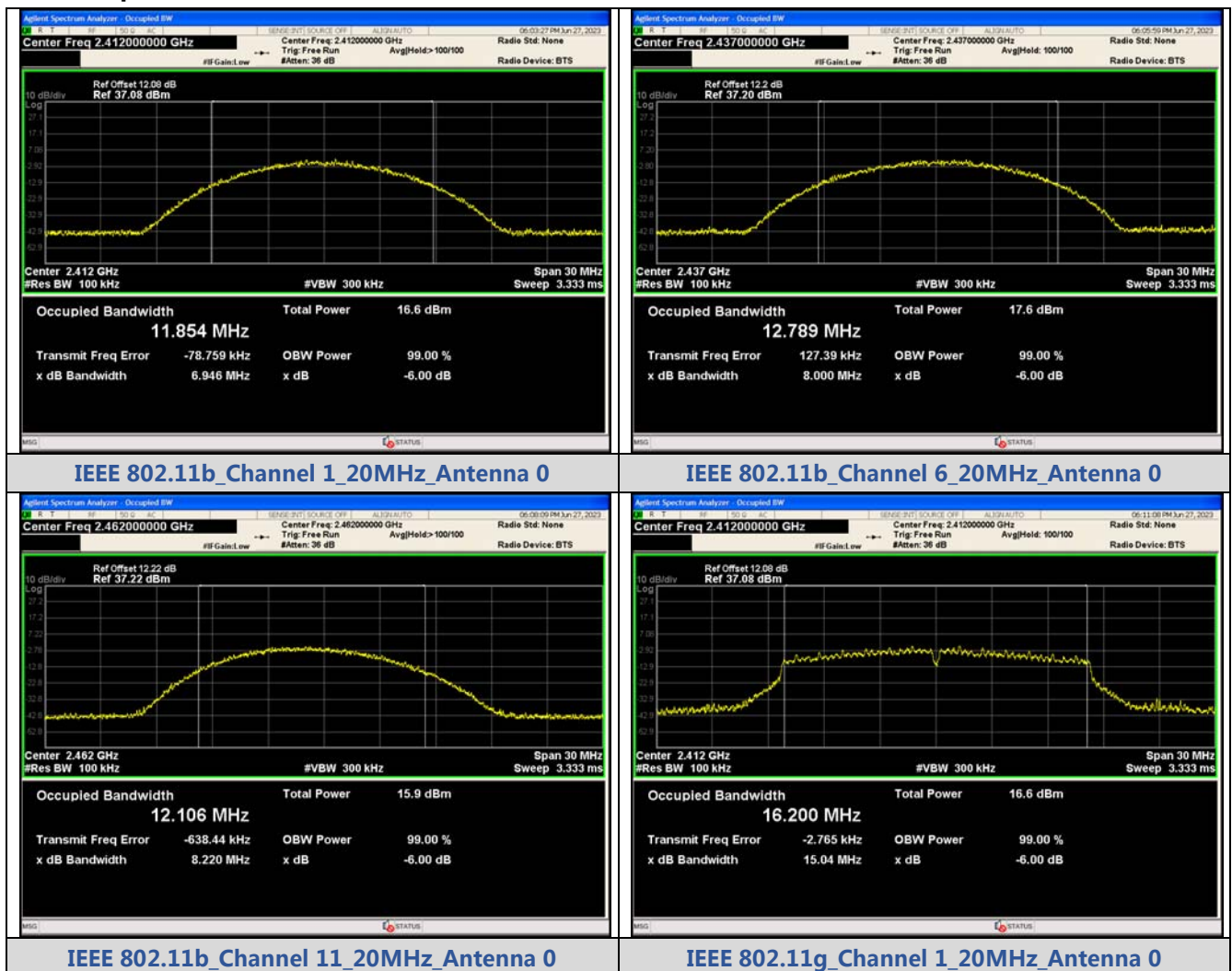
IEEE 802.11n_Channel 9_40MHz_Antenna 0

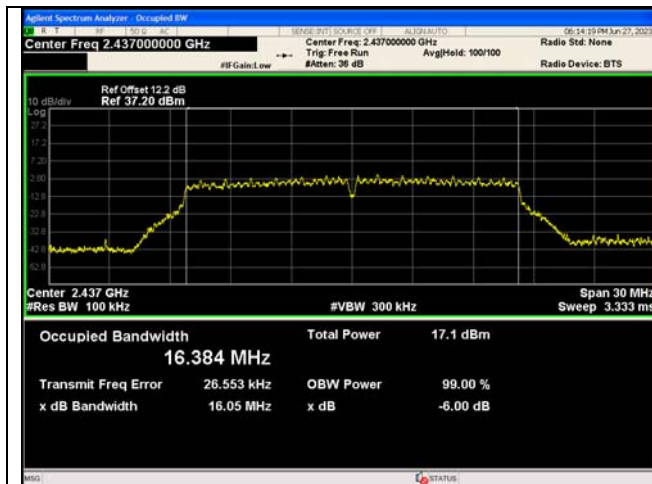
Test Result

Antenna B:

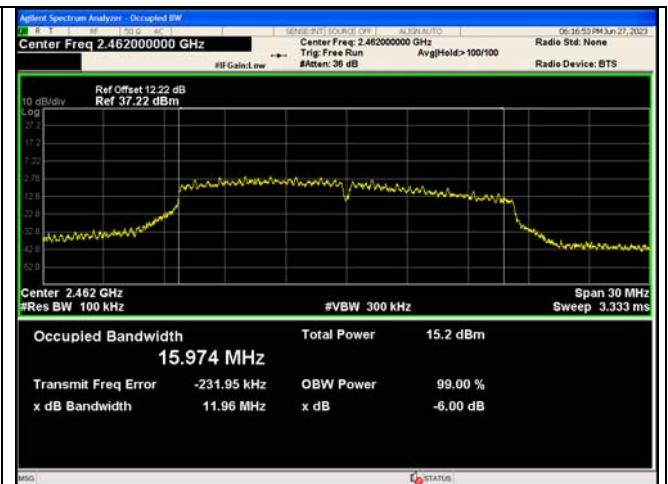
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	6.946	0.5	PASS
	6		2437	8.000		PASS
	11		2462	8.220		PASS
IEEE 802.11g	1		2412	15.04		PASS
	6		2437	16.05		PASS
	11		2462	11.96		PASS
IEEE 802.11n_20	1		2412	15.02		PASS
	6		2437	17.30		PASS
	11		2462	12.57		PASS
IEEE 802.11n_40	3		2422	26.29		PASS
	6		2437	35.81		PASS
	9		2452	17.59		PASS

Test Graphs

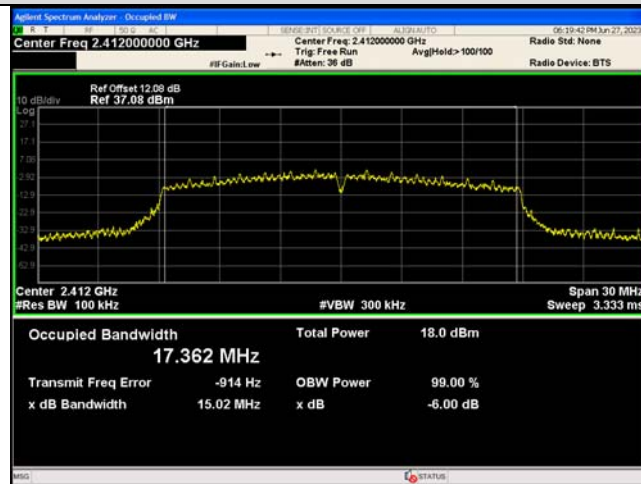




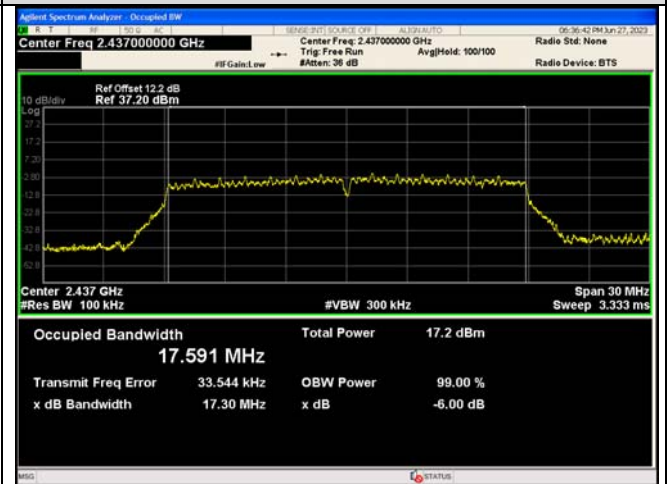
IEEE 802.11g_Channel 6_20MHz_Antenna 0



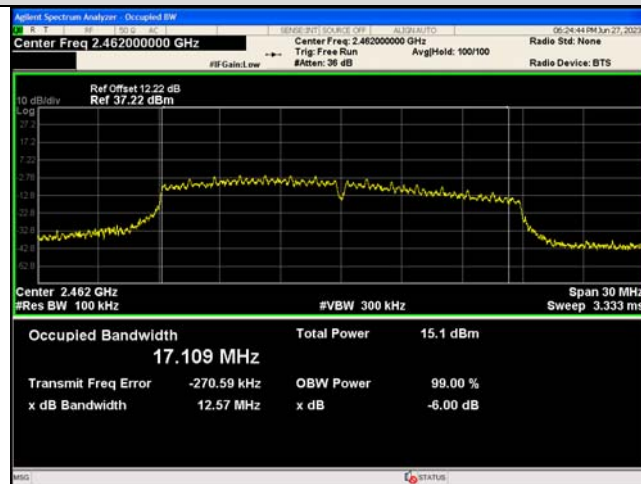
IEEE 802.11g_Channel 11_20MHz_Antenna 0



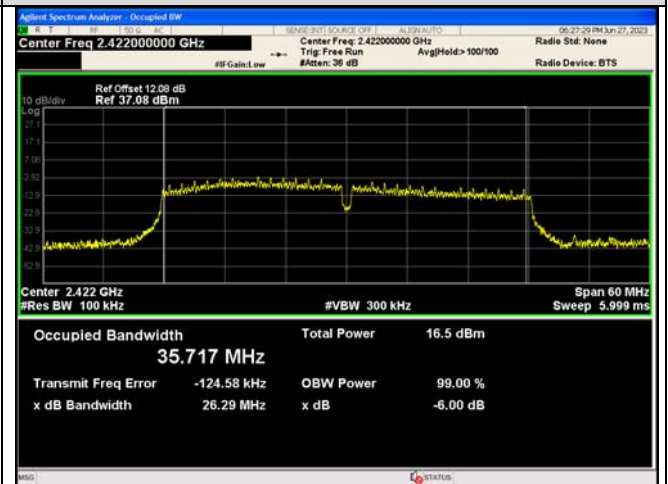
IEEE 802.11n_Channel 1_20MHz_Antenna 0



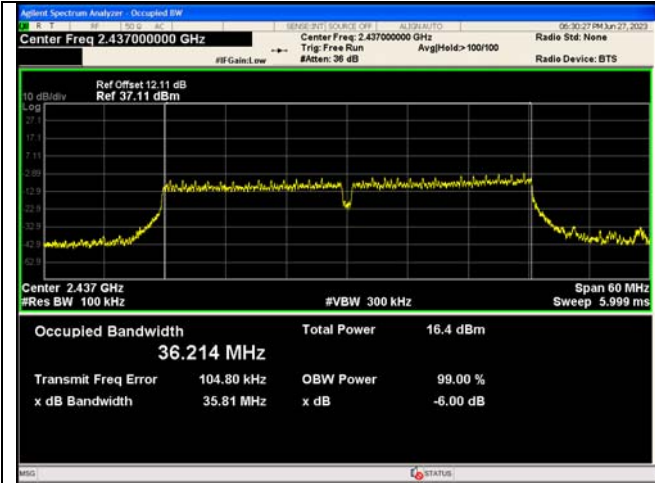
IEEE 802.11n_Channel 6_20MHz_Antenna 0



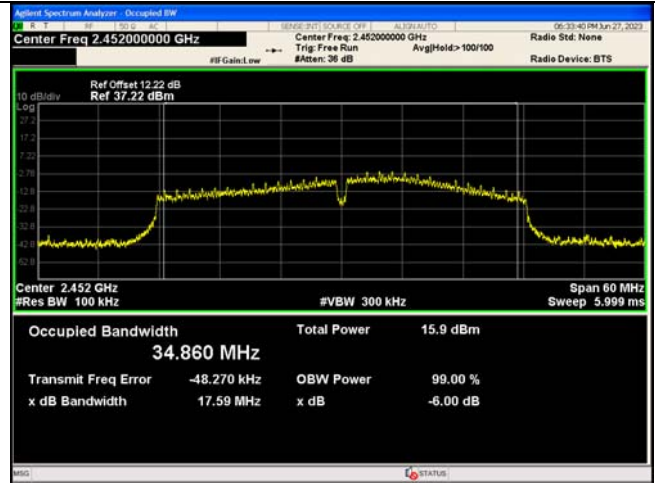
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



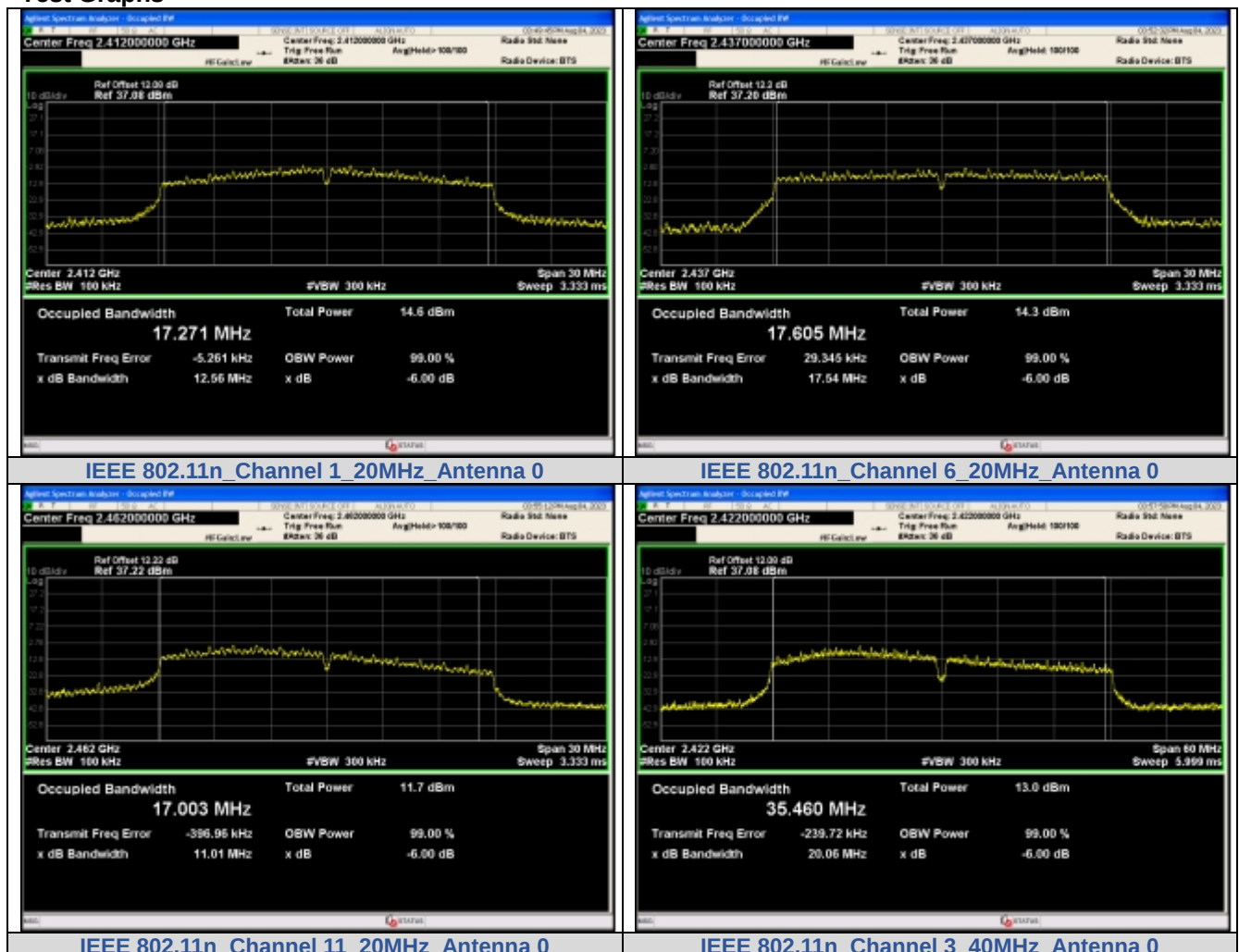
IEEE 802.11n_Channel 9_40MHz_Antenna 0

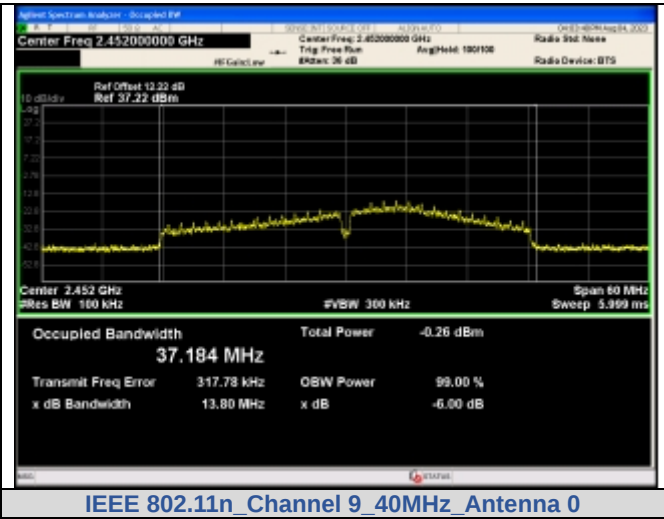
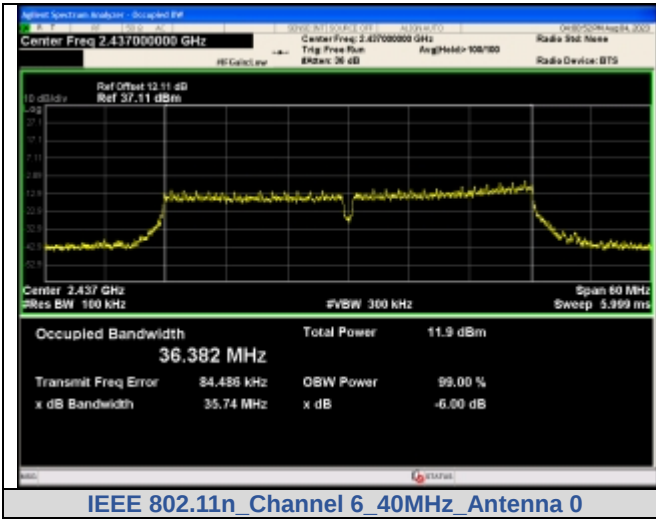
Antenna A+ Antenna B:

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11n_20	1	0	2412	12.56	0.5	PASS
	6		2437	17.54		PASS
	11		2462	11.01		PASS
IEEE 802.11n_40	3		2422	20.06		PASS
	6		2437	35.74		PASS
	9		2452	13.80		PASS

Test Graphs





APPENDIX IV. Conducted Out Of Band Emission

Test Result

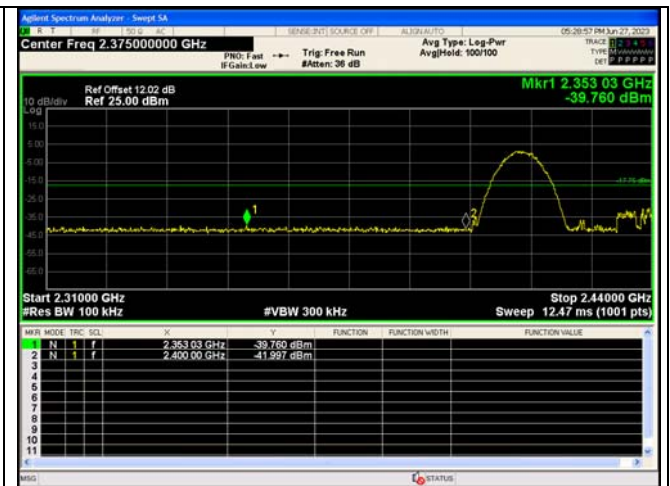
Antenna A:

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2400.00	-41.997	-17.75	-24.247	PASS
			2353.03	-39.760	-17.75	-22.010	PASS
			24901.4	-36.792	-17.75	-19.042	PASS
	6		24940.7	-36.713	-18.05	-18.663	PASS
	11		2483.50	-42.039	-18.26	-24	PASS
			24965.0	-36.631	-18.26	-18.371	PASS
IEEE 802.11g	1		2400.00	-38.019	-20.05	-17.969	PASS
			2398.53	-35.145	-20.05	-15.095	PASS
			24906.4	-37.365	-20.05	-17.315	PASS
	6		24971.9	-37.156	-20.22	-16.936	PASS
	11		2483.50	-39.927	-21.47	-18	PASS
			24920.1	-36.474	-21.47	-15.004	PASS
IEEE 802.11n_20	1		2400.00	-33.765	-18.93	-14.835	PASS
			2398.79	-32.069	-18.93	-13.139	PASS
			24850.8	-37.396	-18.93	-18.466	PASS
	6		24987.5	-36.973	-19.09	-17.883	PASS
	11		2483.50	-39.993	-20.31	-20	PASS
			24905.7	-36.688	-20.31	-16.378	PASS
IEEE 802.11n_40	3		2400.00	-37.982	-21.81	-16.172	PASS
			2398.27	-36.770	-21.81	-14.960	PASS
			24915.1	-36.644	-21.81	-14.834	PASS
	6		24954.4	-37.124	-20.61	-16.514	PASS
	9		2483.50	-41.222	-20.65	-21	PASS
			24935.7	-36.544	-20.65	-15.894	PASS

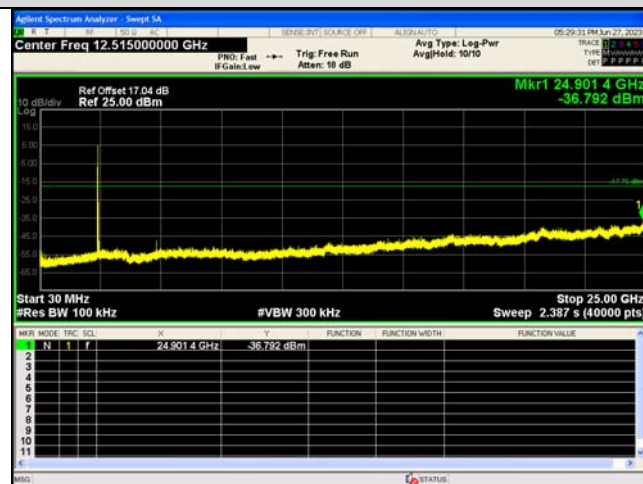
Test Graphs



In-Band Reference Level
IEEE 802.11b_Channel 1_20MHz_Antenna 0



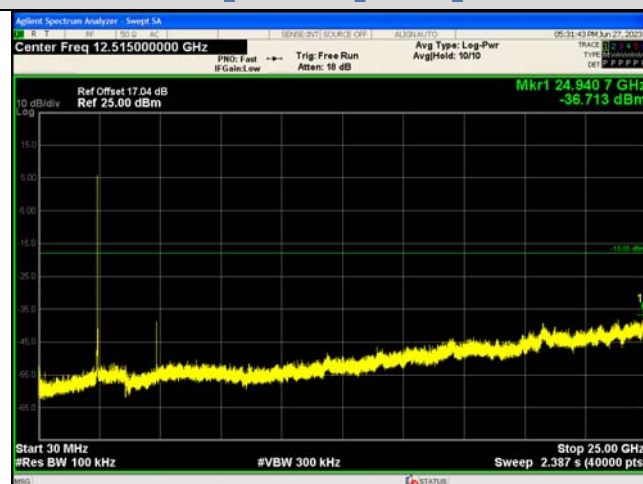
Out Of Band Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



Spurious Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



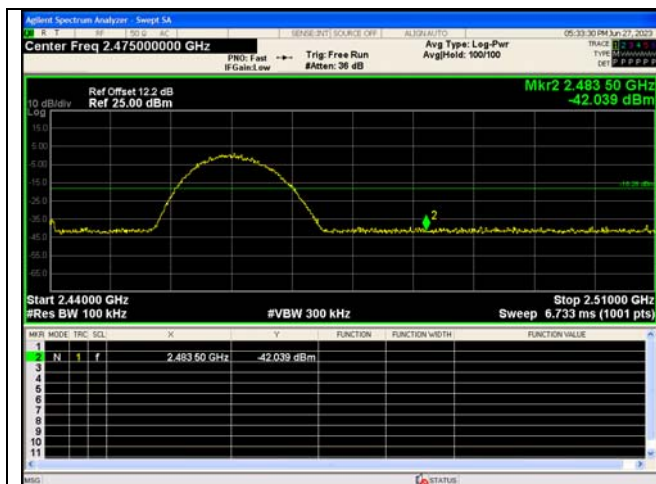
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



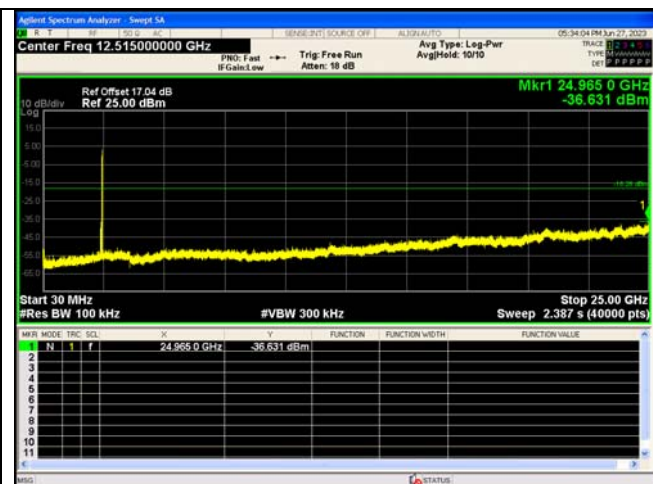
Spurious Emissions
IEEE 802.11b_Channel 6_20MHz_Antenna 0



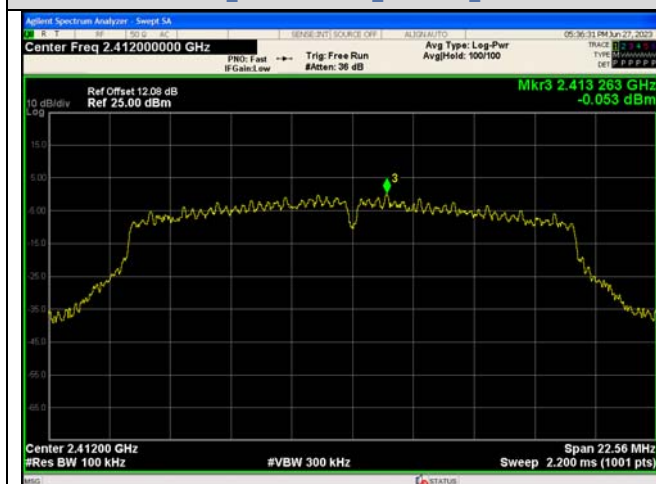
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



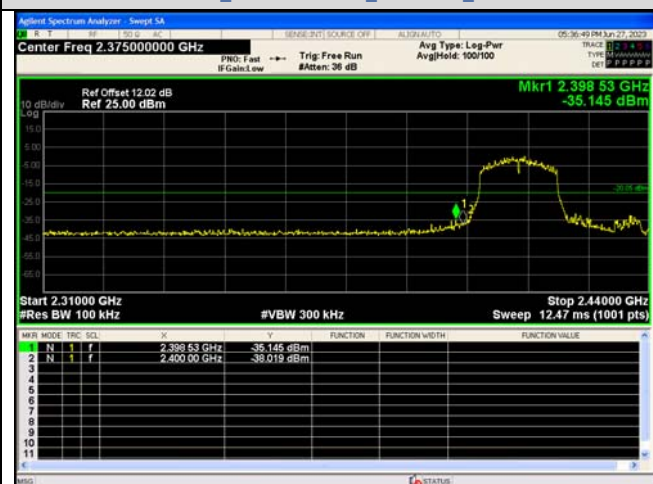
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



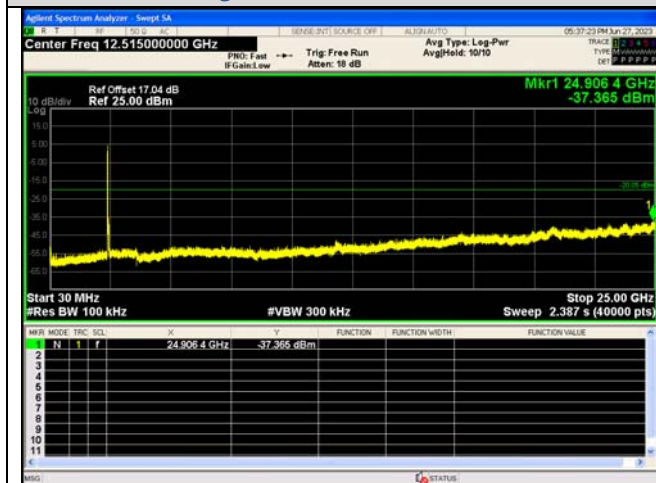
Spurious Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



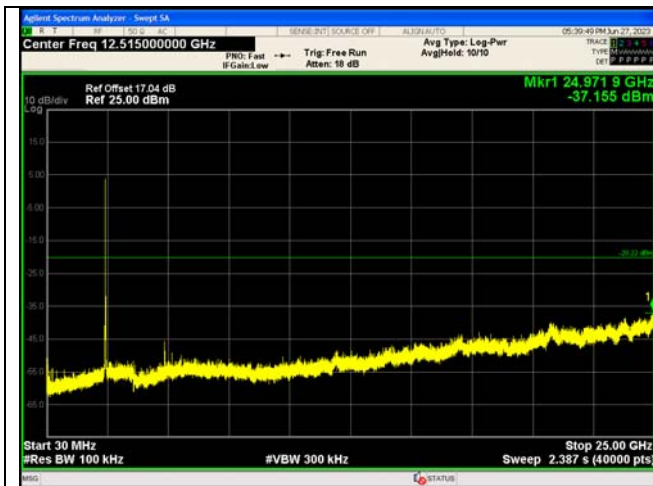
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



Spurious Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



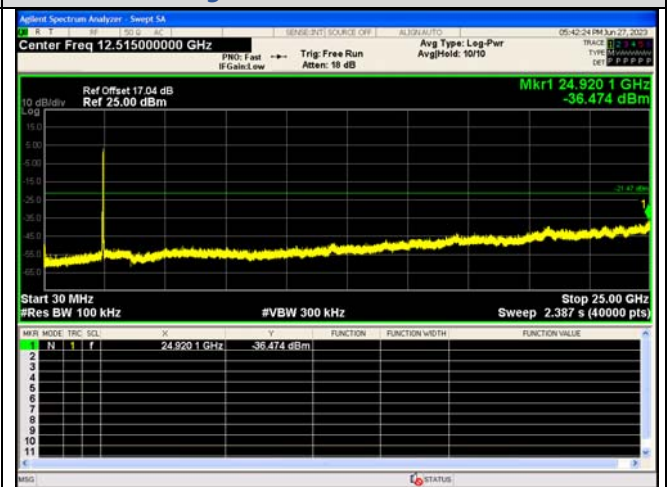
Spurious Emissions
IEEE 802.11g_Channel 6_20MHz_Antenna 0



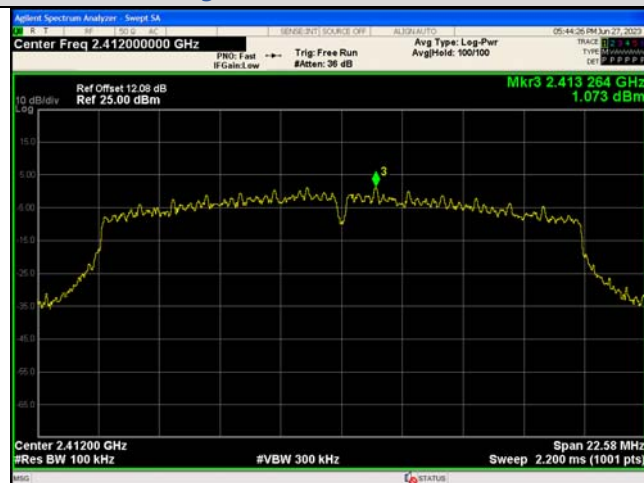
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



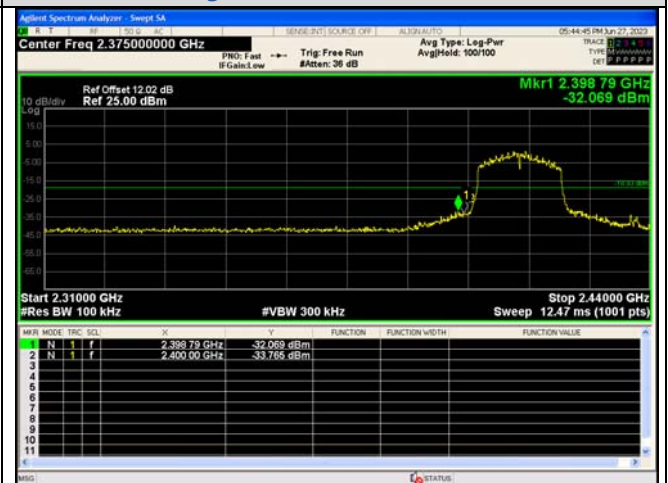
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



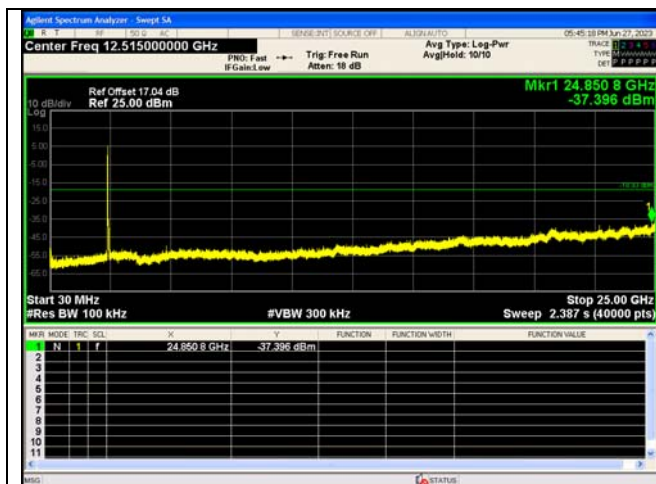
Spurious Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



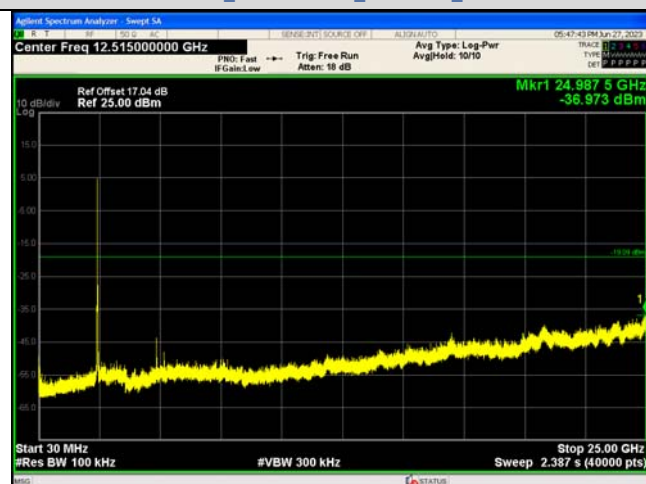
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



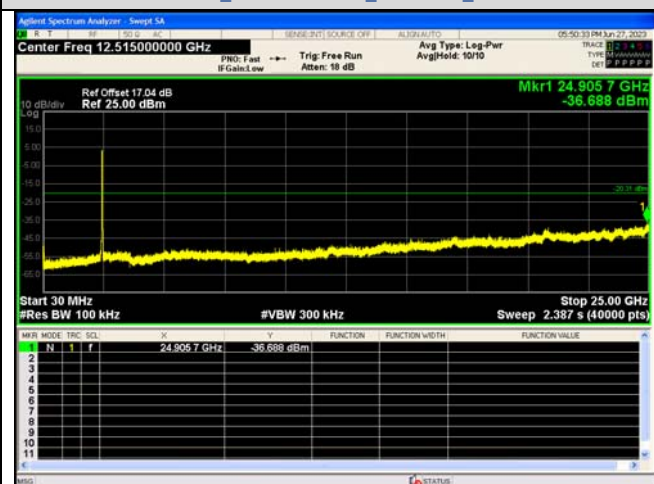
Spurious Emissions
IEEE 802.11n_Channel 6_20MHz_Antenna 0



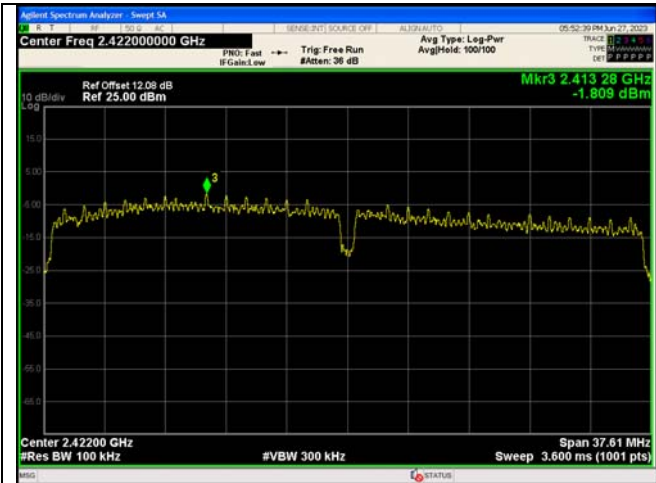
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



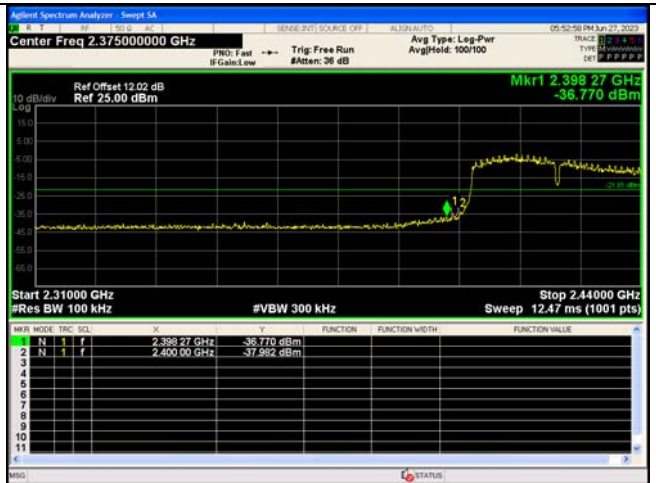
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



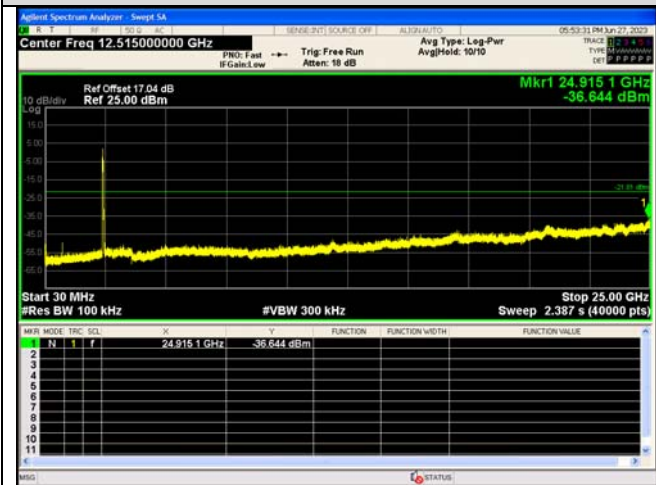
Spurious Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



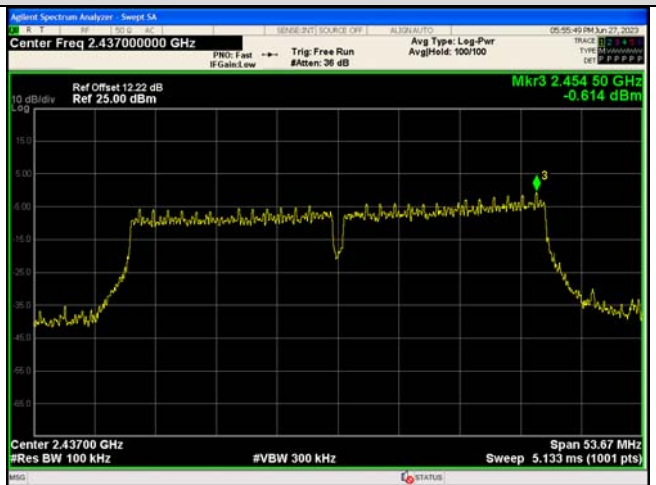
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



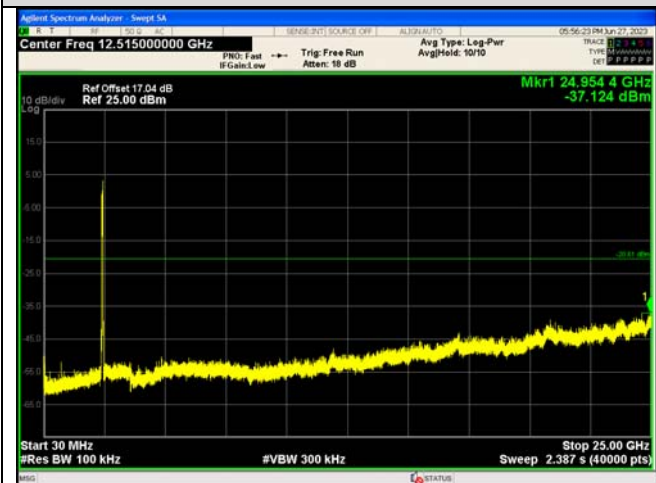
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



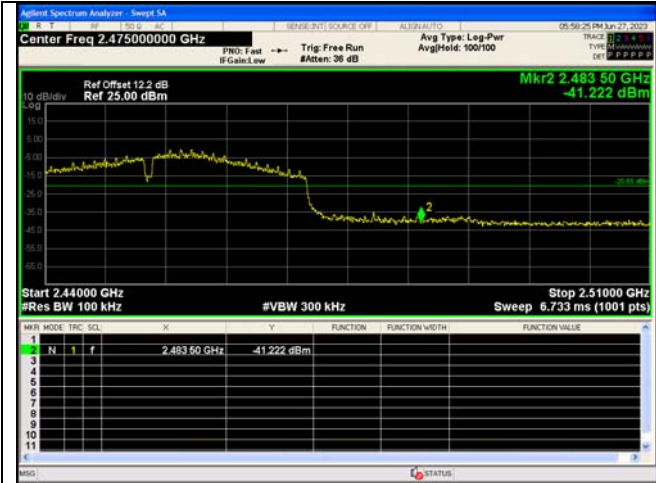
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



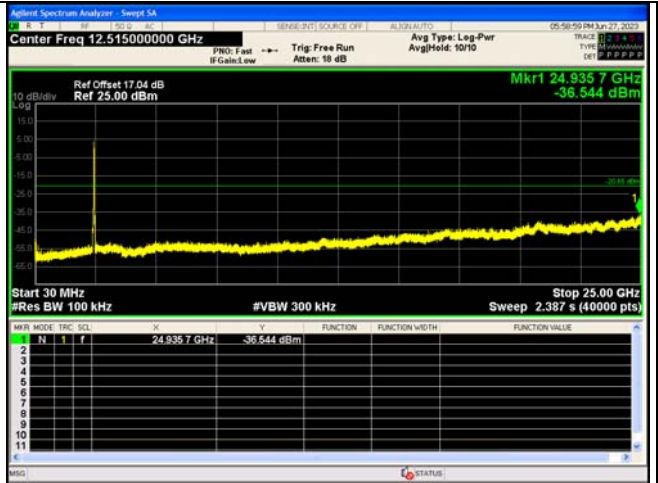
Spurious Emissions
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0

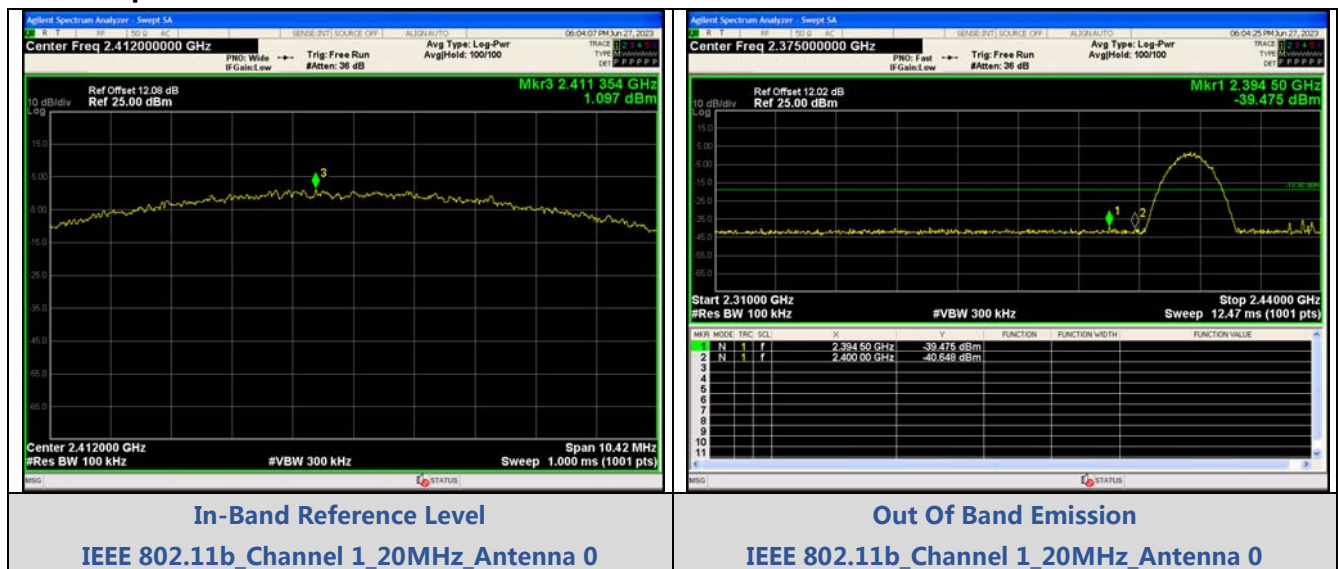


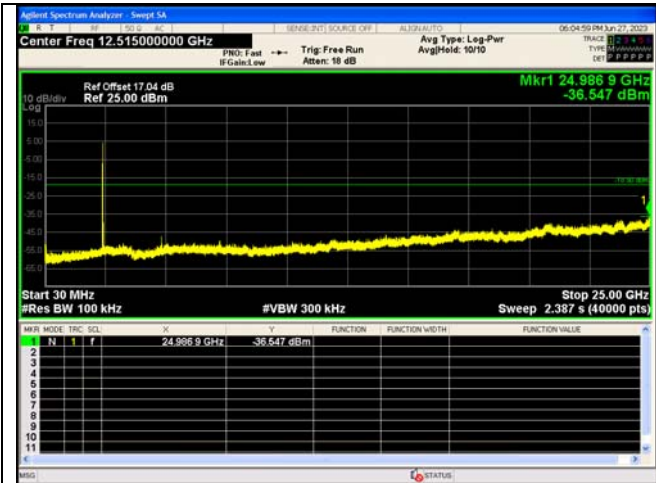
Spurious Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Test Result

Antenna B:

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	2400.00	-40.648	-18.9	-21.748	PASS	
			2394.50	-39.475	-18.9	-20.575	PASS	
			24986.9	-36.547	-18.9	-17.647	PASS	
	6		24986.9	-35.558	-17.63	-17.928	PASS	
			11	2483.50	-40.659	-20.03	-21	PASS
				24918.8	-36.874	-20.03	-16.844	PASS
IEEE 802.11g	1		2400.00	-37.867	-20.15	-17.717	PASS	
			2398.79	-35.506	-20.15	-15.356	PASS	
			24976.9	-36.330	-20.15	-16.180	PASS	
	6		24894.5	-37.170	-20.47	-16.700	PASS	
			11	2483.50	-41.040	-21.5	-20	PASS
				24968.2	-37.500	-21.5	-16.000	PASS
IEEE 802.11n_20	1		2400.00	-34.293	-18.46	-15.833	PASS	
			2398.27	-32.767	-18.46	-14.307	PASS	
			24946.3	-36.844	-18.46	-18.384	PASS	
	6		24982.5	-36.752	-20.24	-16.512	PASS	
			11	2483.50	-40.723	-21.4	-19	PASS
				24938.8	-37.705	-21.4	-16.305	PASS
IEEE 802.11n_40	3		2400.00	-38.576	-22.21	-16.366	PASS	
			2398.79	-37.232	-22.21	-15.022	PASS	
			24999.4	-36.876	-22.21	-14.666	PASS	
	6		24910.7	-36.285	-22.21	-14.075	PASS	
			9	2483.50	-40.158	-21.45	-19	PASS
				24963.8	-36.775	-21.45	-15.325	PASS

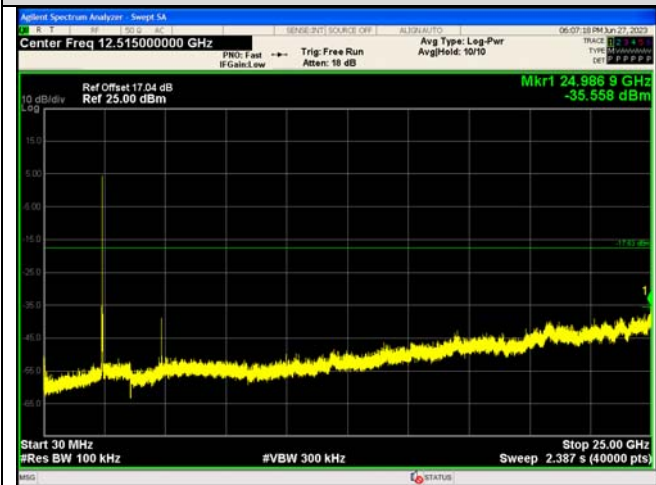
Test Graphs



Spurious Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



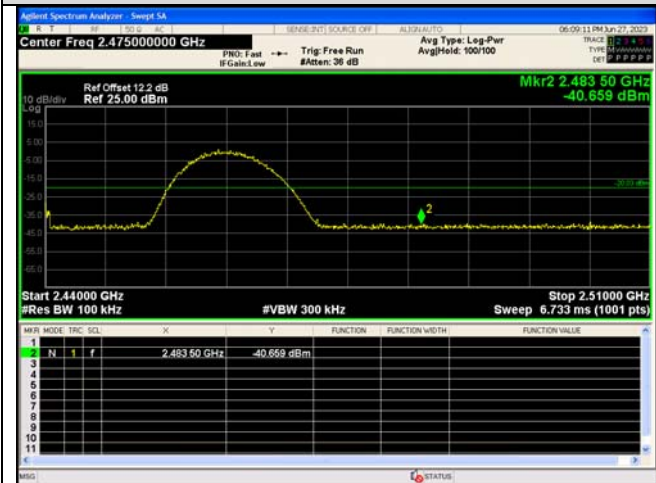
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



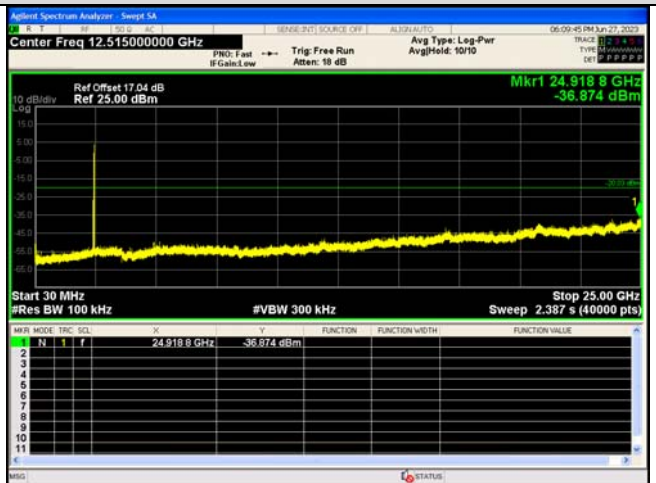
Spurious Emissions
IEEE 802.11b_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



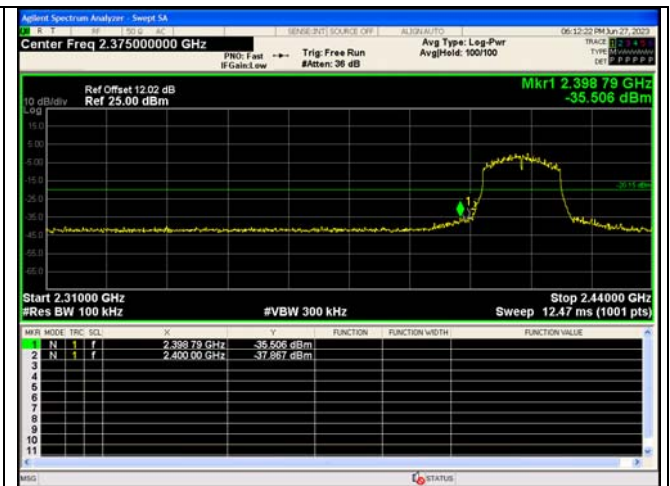
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



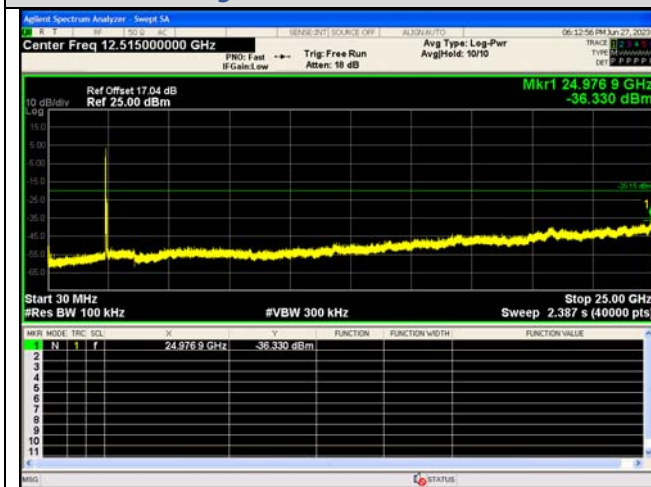
Spurious Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



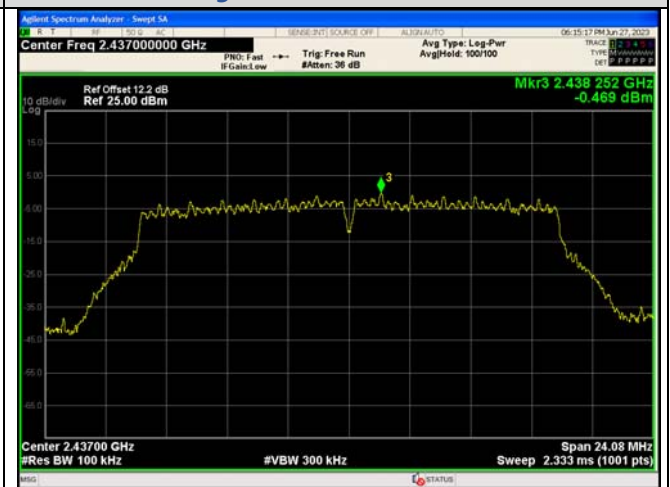
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



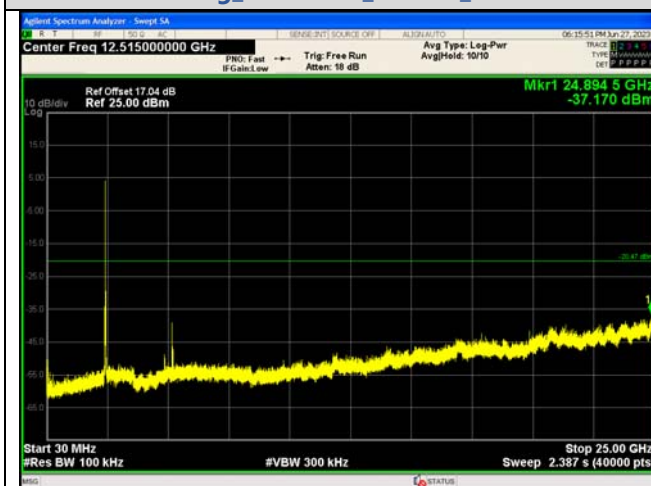
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



Spurious Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



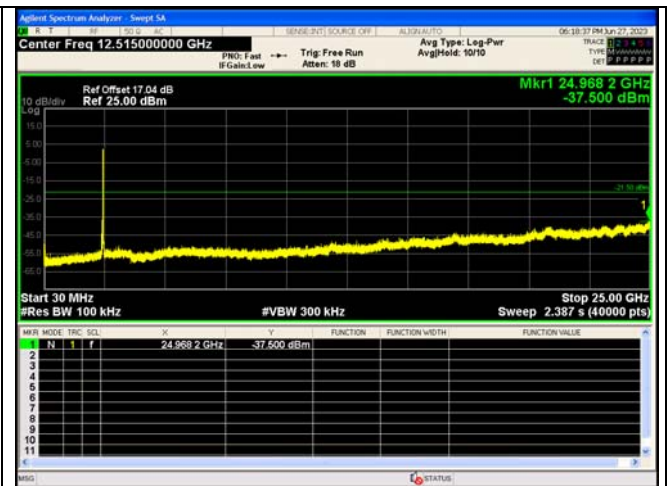
Spurious Emissions
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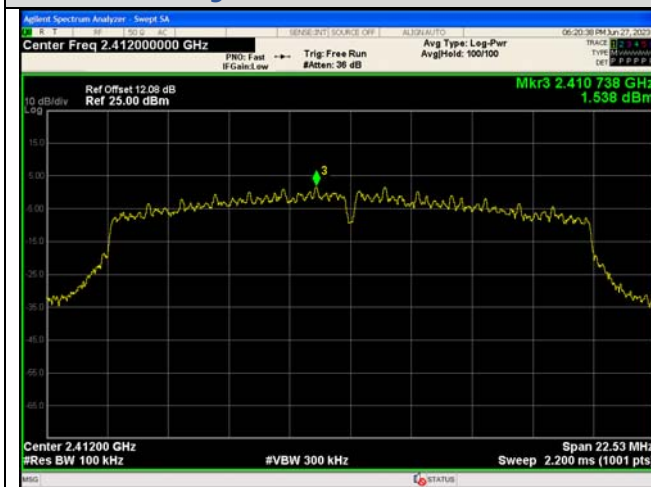
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



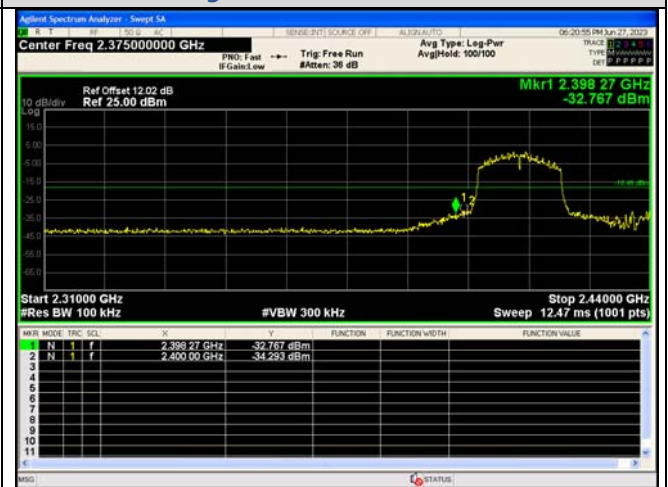
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IEEE 802.11g_Channel 11_20MHz_Antenna 0



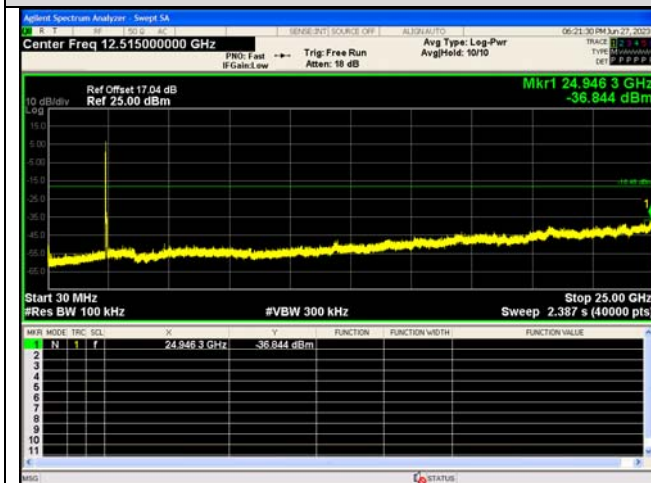
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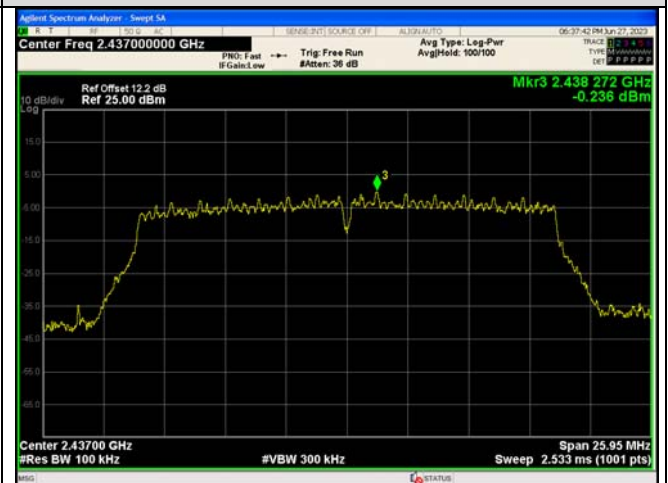
In-Band Reference Level
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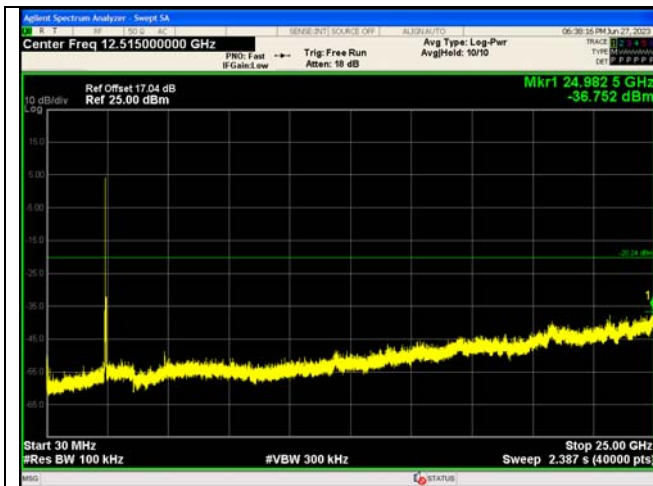
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



In-Band Reference Level
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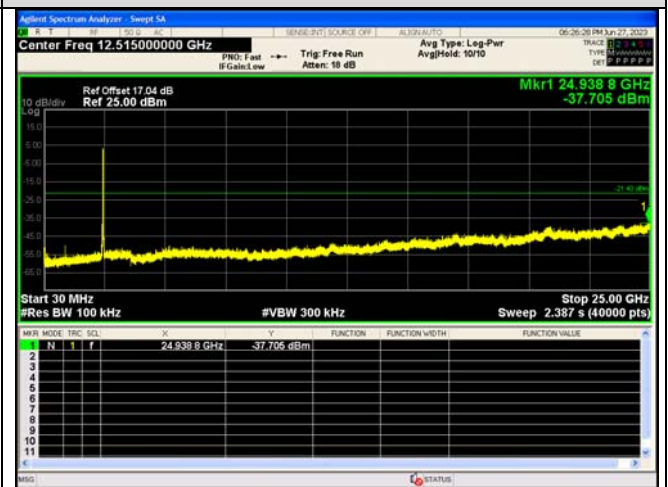
Spurious Emissions
IEEE 802.11n_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



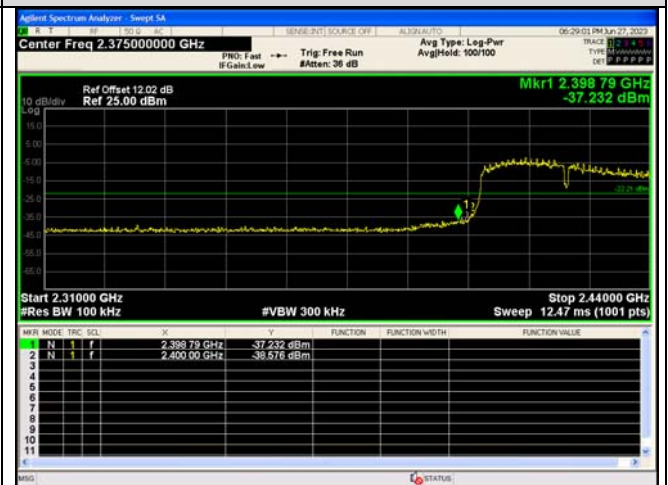
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



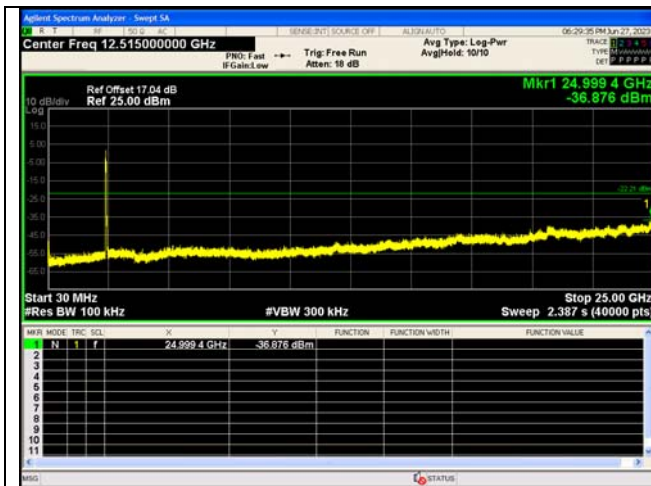
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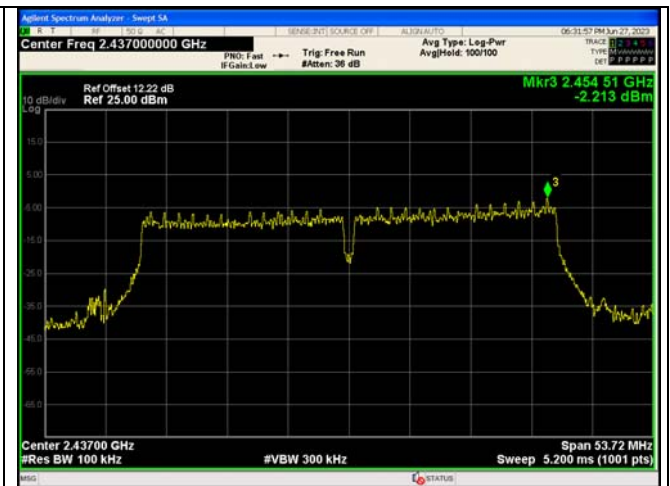
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



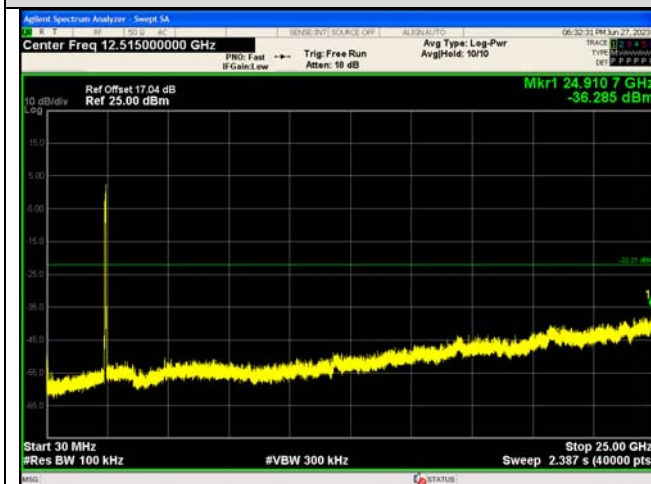
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



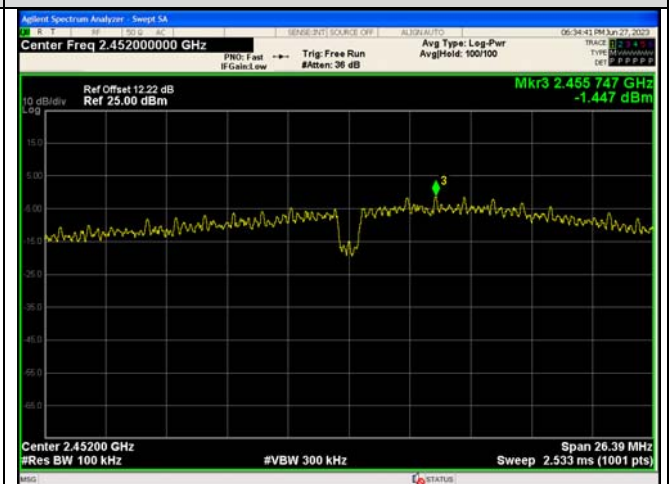
Spurious Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



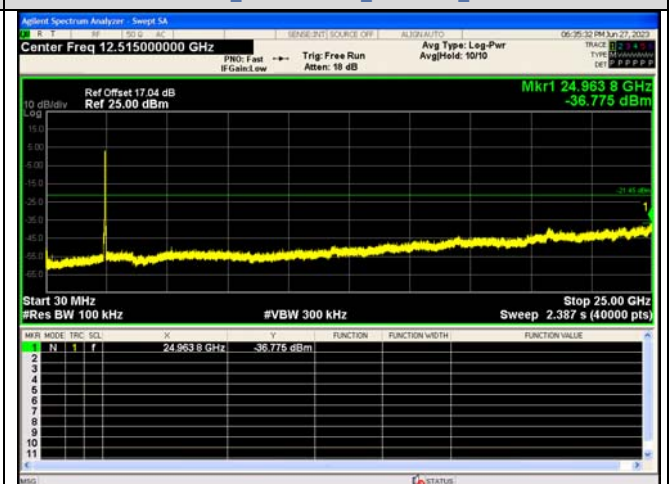
Spurious Emissions
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0