

APPENDIX I. Conducted Peak Output Power**Test Result**

Conducted peak output power

Mode	Channel	Ant. 0 (dBm)	Ant. 1 (dBm)	Ant. 2 (dBm)	Ant. 3 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	19.40	N/A	N/A	N/A	N/A	30	PASS
	6	19.67	N/A	N/A	N/A	N/A	30	PASS
	11	20.55	N/A	N/A	N/A	N/A	30	PASS
IEEE 802.11g	1	15.15	N/A	N/A	N/A	N/A	30	PASS
	6	16.05	N/A	N/A	N/A	N/A	30	PASS
	11	16.93	N/A	N/A	N/A	N/A	30	PASS
IEEE 802.11n_20	1	13.81	N/A	N/A	N/A	N/A	30	PASS
	6	14.48	N/A	N/A	N/A	N/A	30	PASS
	11	15.49	N/A	N/A	N/A	N/A	30	PASS
IEEE 802.11n_40	3	13.31	N/A	N/A	N/A	N/A	30	PASS
	6	13.60	N/A	N/A	N/A	N/A	30	PASS
	9	14.23	N/A	N/A	N/A	N/A	30	PASS

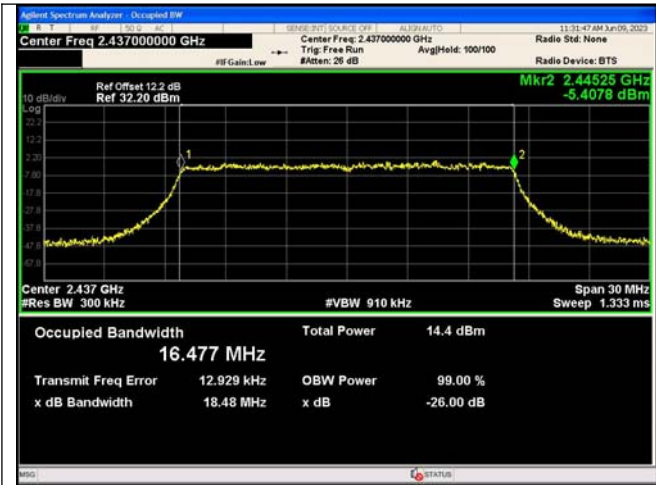
APPENDIX II.99% Bandwidth

Test Result

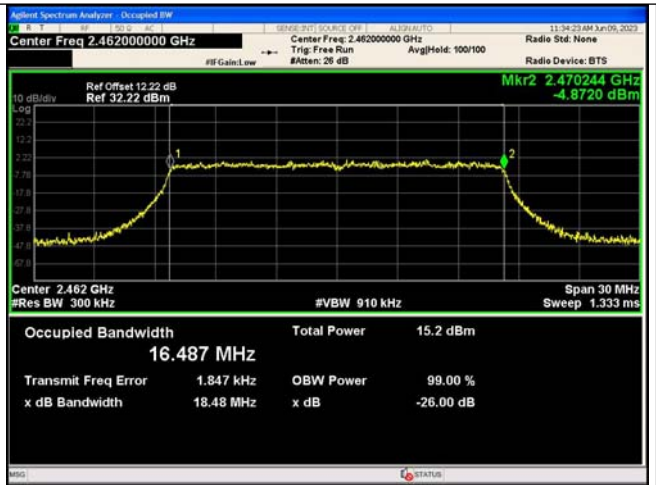
Mode	Channel	Ant.	99% BW (MHz)
IEEE 802.11b	1	0	13.062
	6		13.045
	11		12.924
IEEE 802.11g	1		16.463
	6		16.477
	11		16.487
IEEE 802.11n_20	1		17.334
	6		17.330
	11		17.328
IEEE 802.11n_40	3		34.921
	6		34.860
	9		34.762

Test Graphs

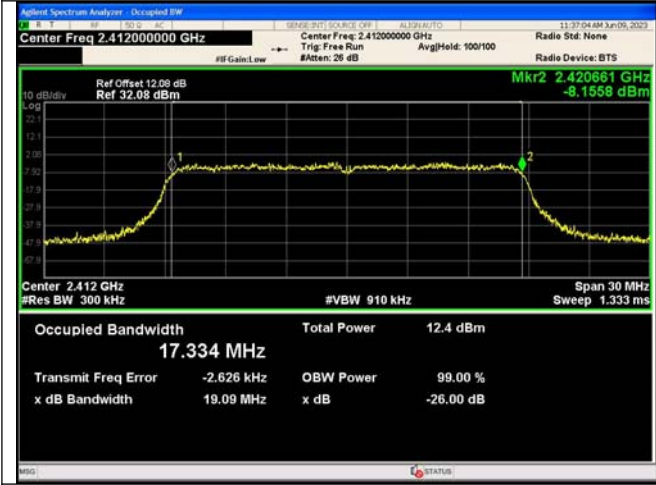




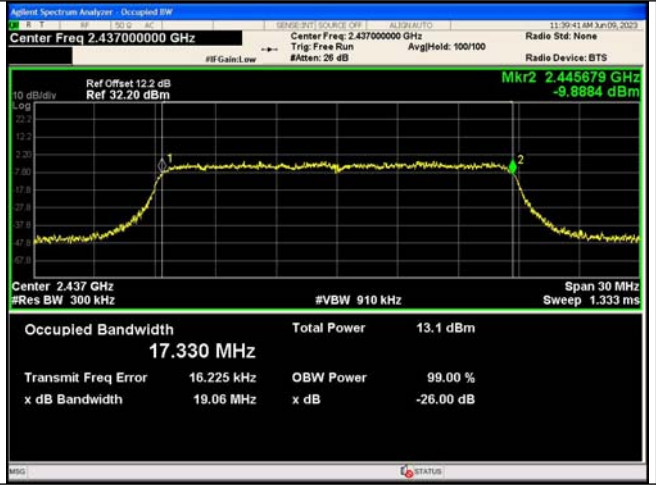
IEEE 802.11g_Channel 6_20MHz_Antenna 0



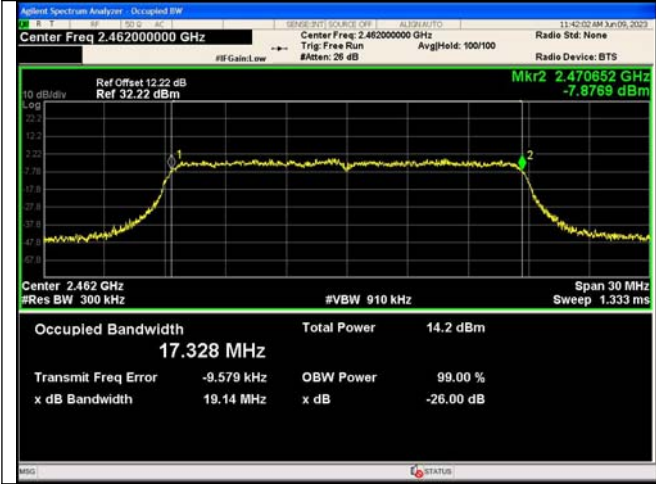
IEEE 802.11g_Channel 11_20MHz_Antenna 0



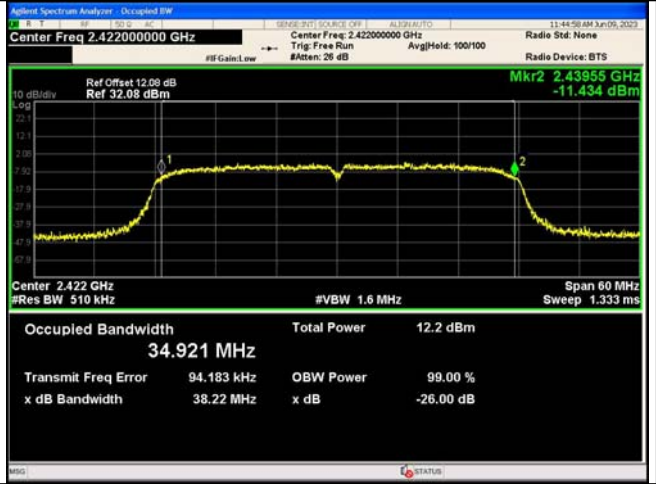
IEEE 802.11n_Channel 1_20MHz_Antenna 0



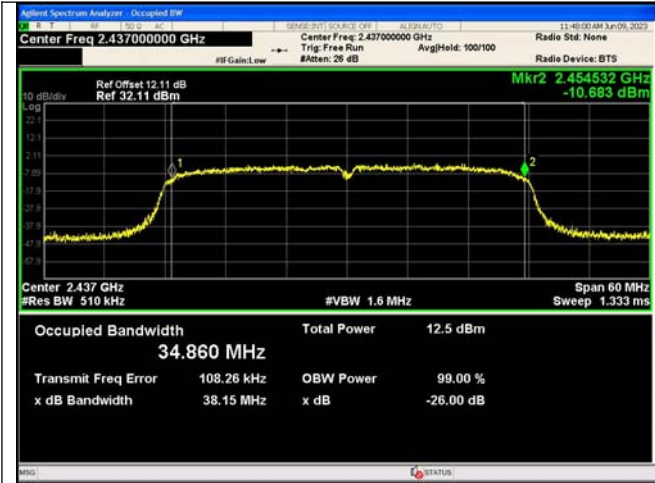
IEEE 802.11n_Channel 6_20MHz_Antenna 0



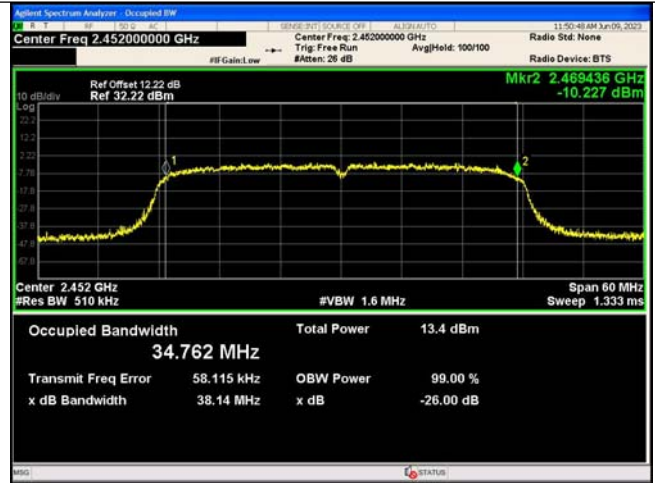
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



IEEE 802.11n_Channel 9_40MHz_Antenna 0

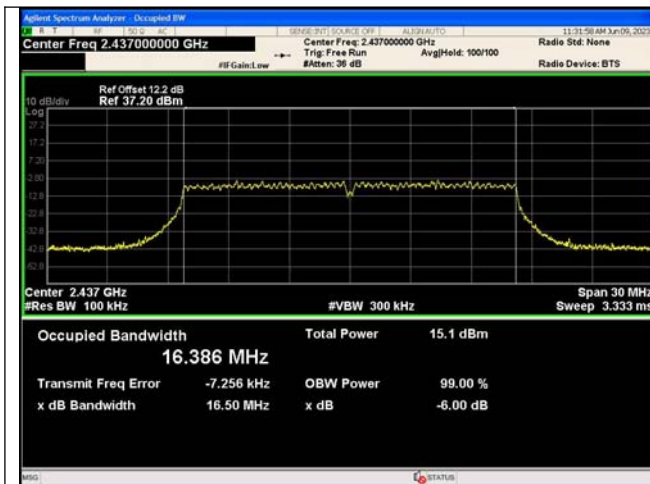
APPENDIX III.6dB Bandwidth

Test Result

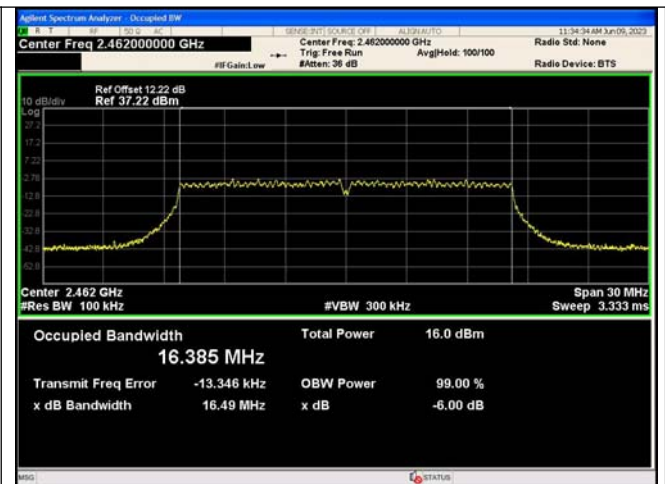
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.599	0.5	PASS
	6		2437	9.241		PASS
	11		2462	9.386		PASS
IEEE 802.11g	1		2412	16.50		PASS
	6		2437	16.50		PASS
	11		2462	16.49		PASS
IEEE 802.11n_20	1		2412	17.39		PASS
	6		2437	17.27		PASS
	11		2462	17.09		PASS
IEEE 802.11n_40	3		2422	33.81		PASS
	6		2437	33.31		PASS
	9		2452	33.28		PASS

Test Graphs

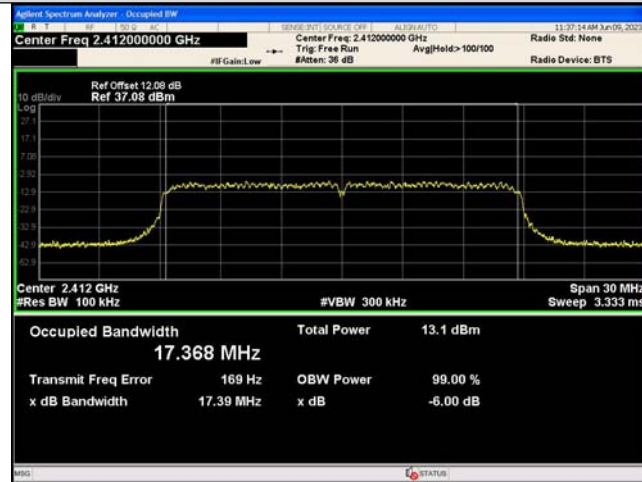




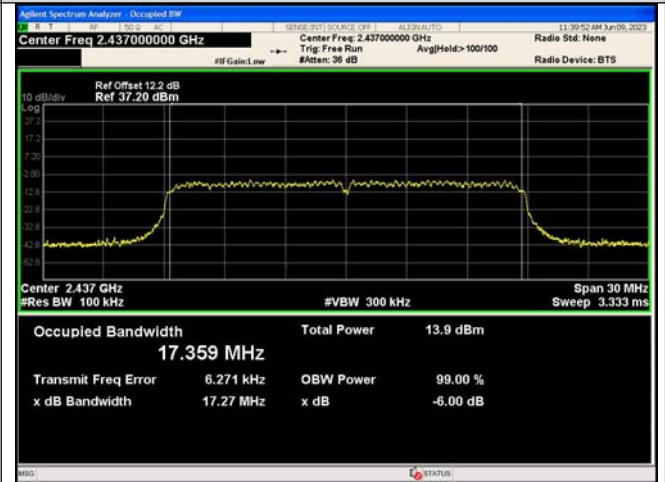
IEEE 802.11g_Channel 6_20MHz_Antenna 0



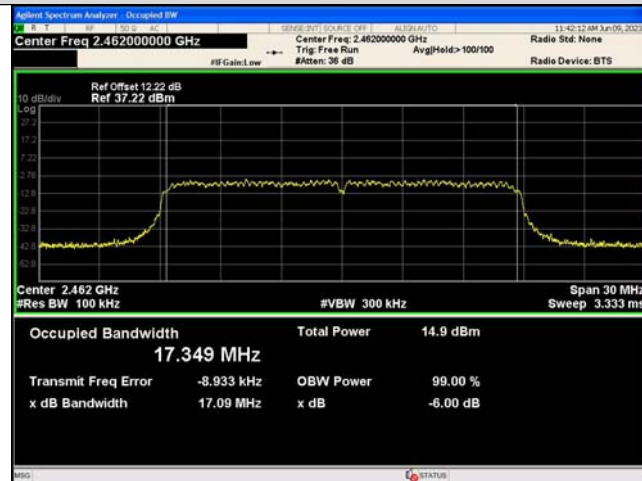
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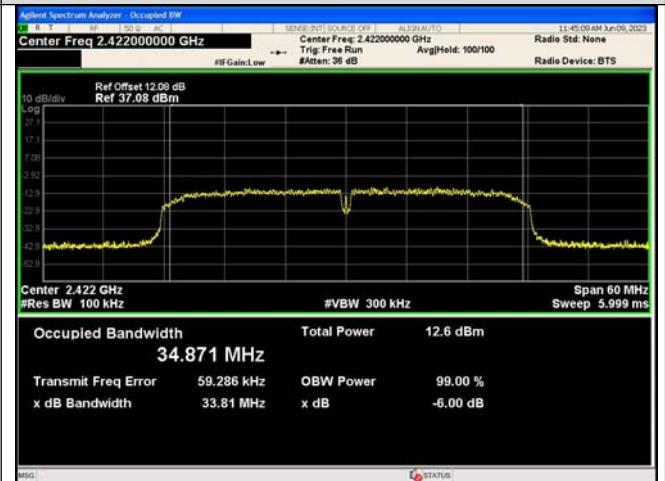
IEEE 802.11n_Channel 1_20MHz_Antenna 0



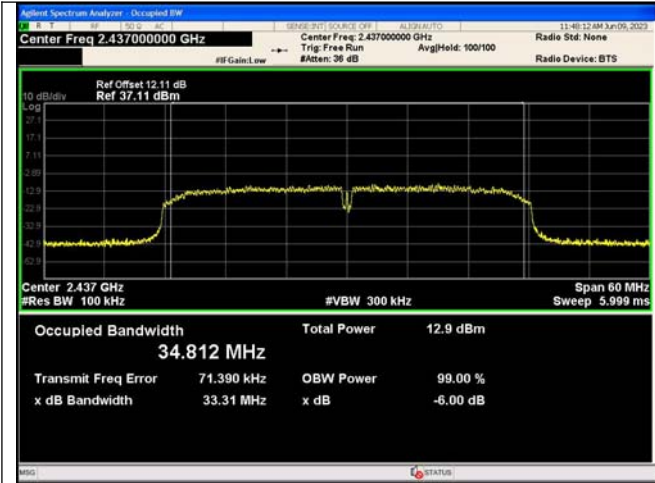
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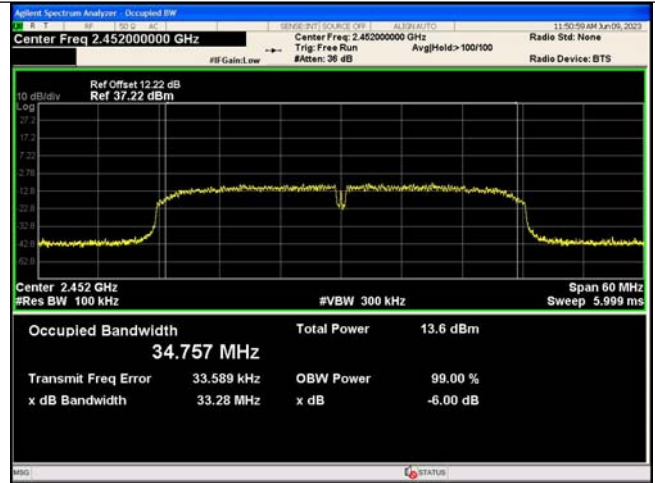
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



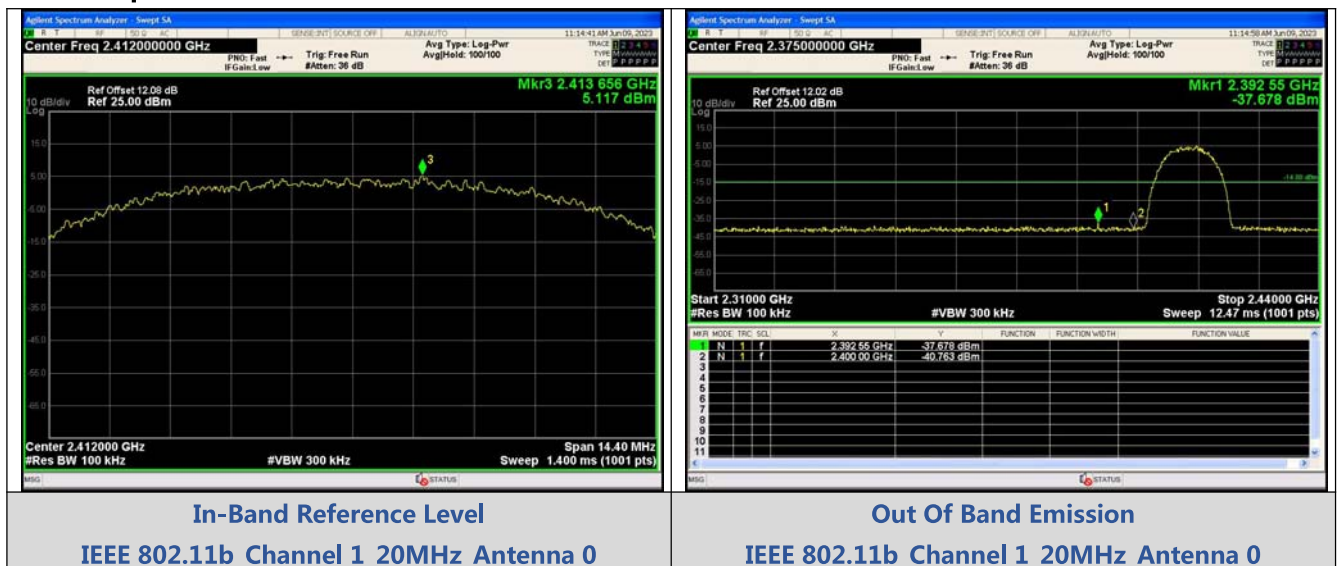
IEEE 802.11n_Channel 9_40MHz_Antenna 0

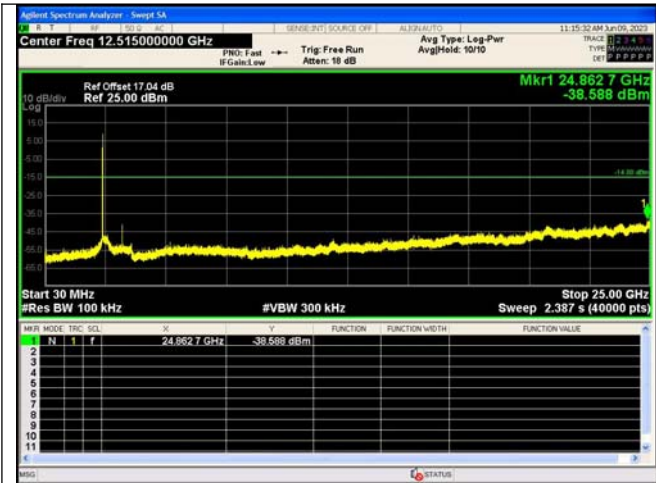
APPENDIX IV. Conducted Out Of Band Emission

Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2400.00	-40.763	-14.88	-25.883	PASS
			2392.55	-37.678	-14.88	-22.798	PASS
			24862.7	-38.588	-14.88	-23.708	PASS
	6		24923.2	-38.407	-14.54	-23.867	PASS
	11		2483.50	-40.697	-13.84	-27	PASS
			24966.9	-38.500	-13.84	-24.660	PASS
IEEE 802.11g	1		2400.00	-40.483	-24.83	-15.653	PASS
			2396.45	-38.777	-24.83	-13.947	PASS
			24907.6	-37.340	-24.83	-12.510	PASS
	6		24941.3	-38.668	-24.01	-14.658	PASS
	11		2483.50	-39.664	-22.95	-17	PASS
			24970.0	-37.096	-22.95	-14.146	PASS
IEEE 802.11n_20	1		2400.00	-41.399	-26.71	-14.689	PASS
			2398.66	-38.378	-26.71	-11.668	PASS
			3216.30	-38.380	-26.71	-11.670	PASS
	6		24943.8	-37.896	-26.03	-11.866	PASS
	11		2483.50	-40.199	-24.62	-16	PASS
			24934.5	-38.949	-24.62	-14.329	PASS
IEEE 802.11n_40	3		2400.00	-40.434	-29.33	-11.104	PASS
			2389.04	-38.932	-29.33	-9.602	PASS
			24961.9	-37.889	-29.33	-8.559	PASS
	6		24888.3	-38.352	-28.75	-9.602	PASS
	9		2483.50	-40.402	-28.11	-12	PASS
			24970.0	-38.400	-28.11	-10.290	PASS

Test Graphs





Spurious Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



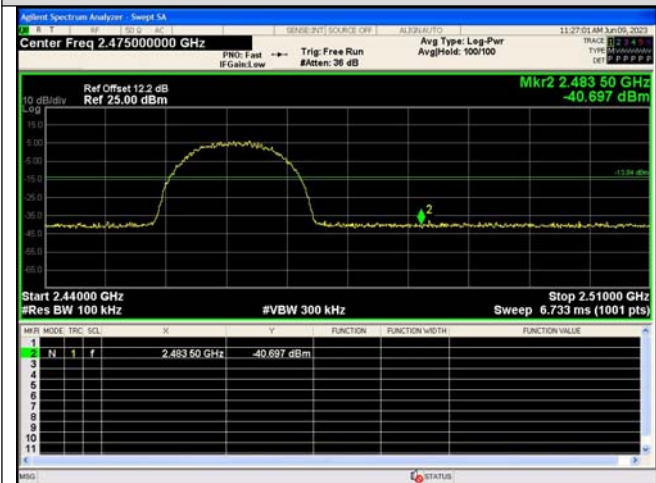
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



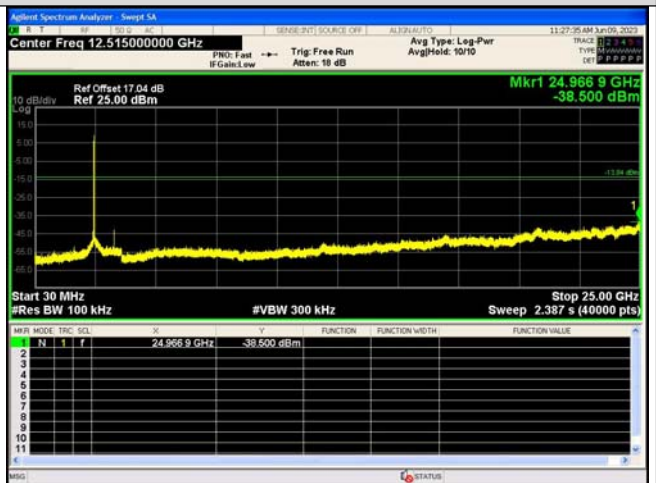
Spurious Emissions
IEEE 802.11b_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



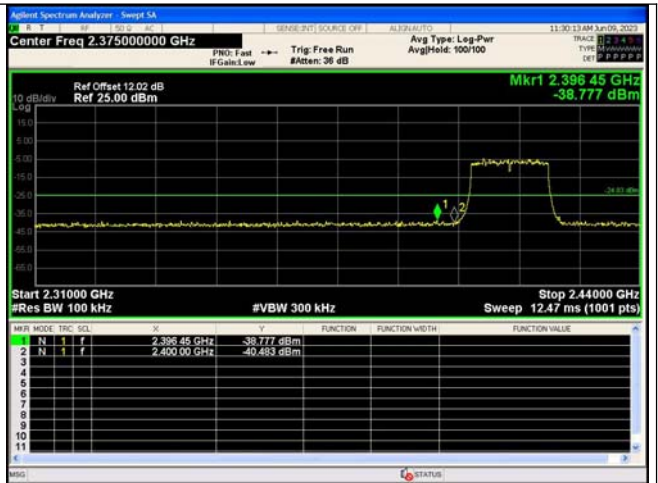
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



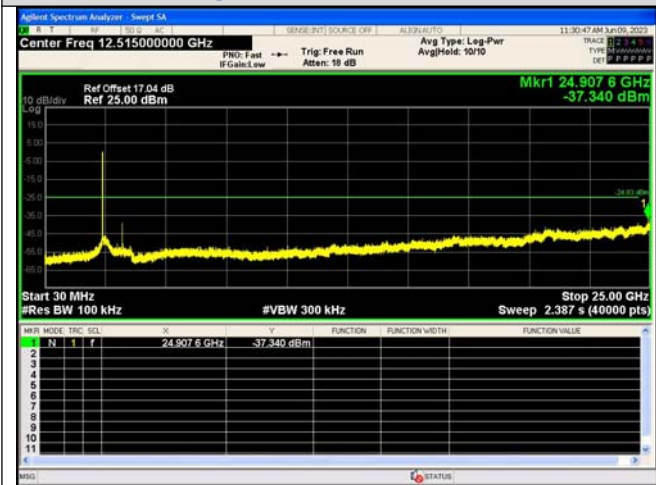
Spurious Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



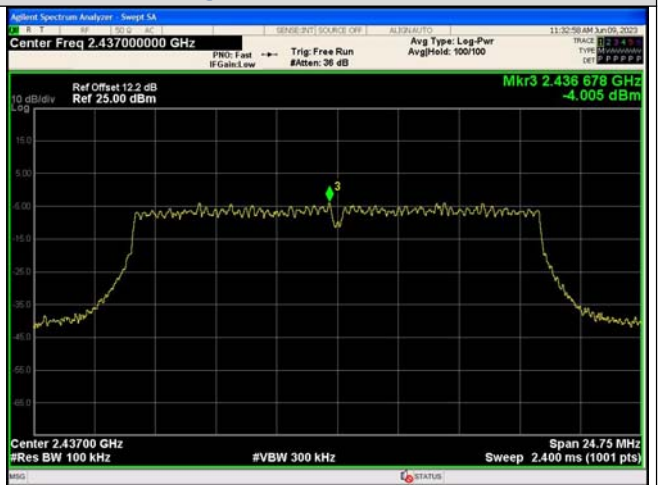
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



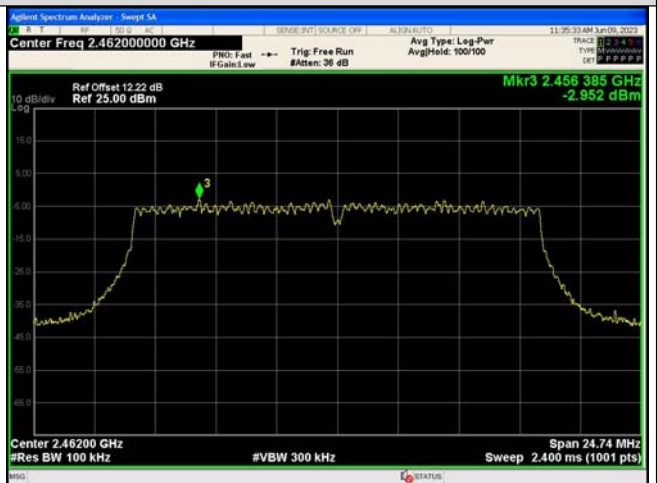
Spurious Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



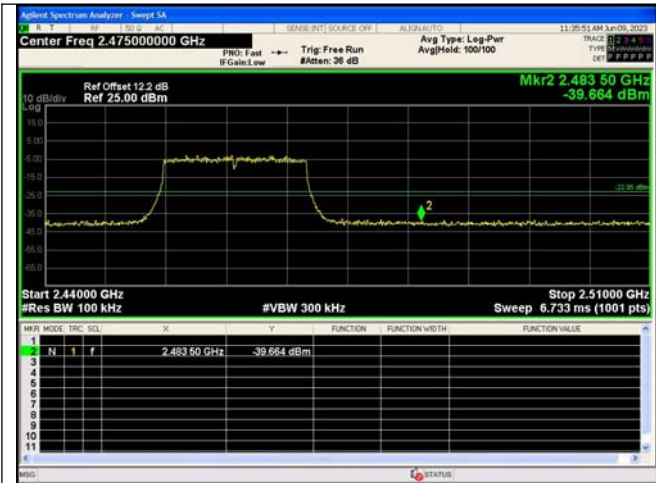
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



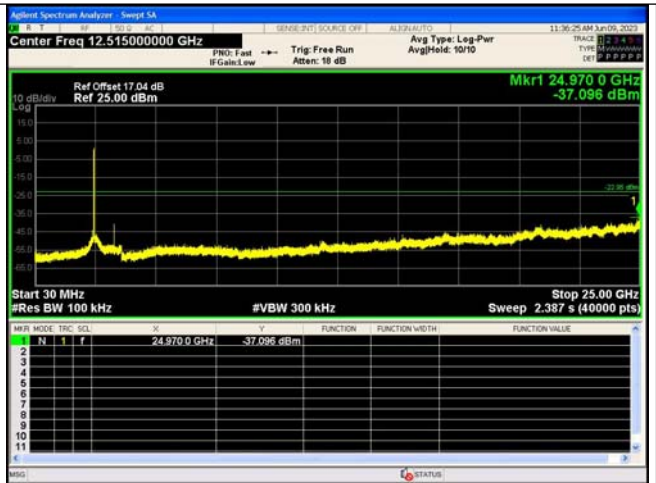
Spurious Emissions
IEEE 802.11g_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



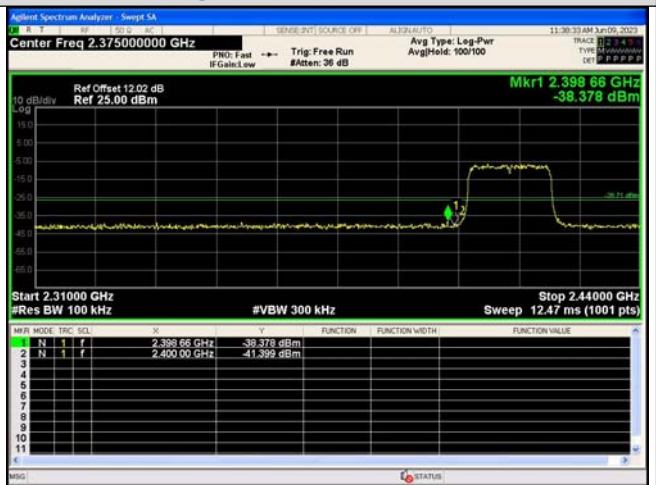
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



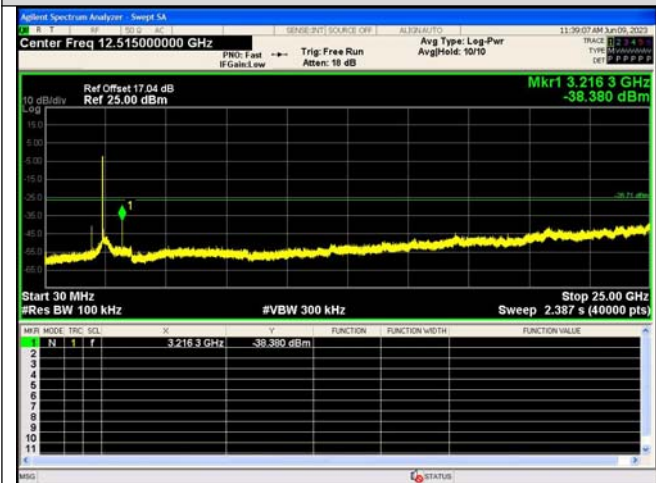
Spurious Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



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



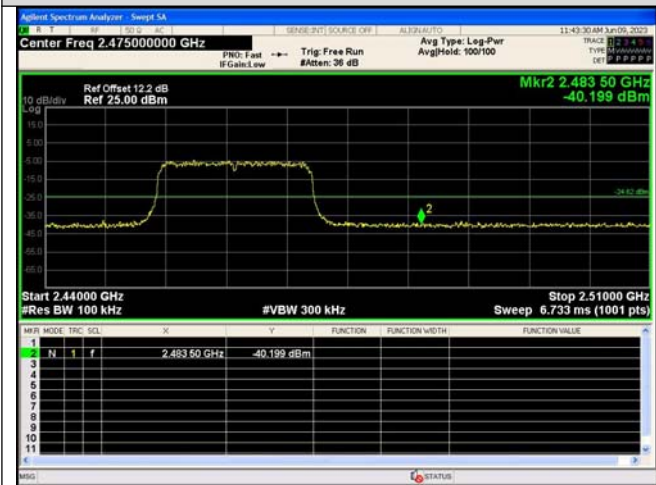
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



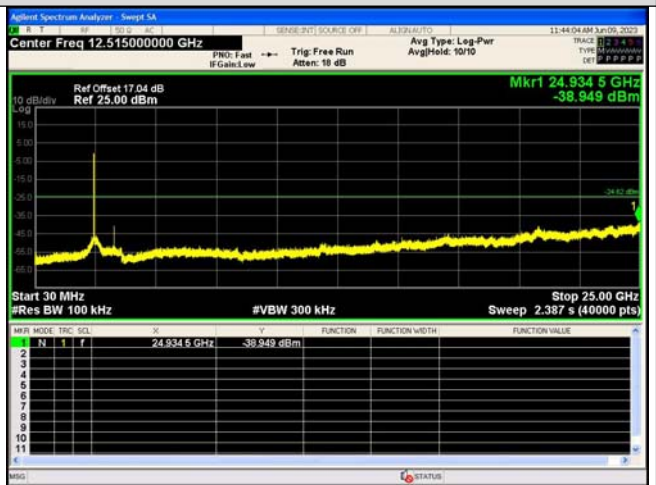
Spurious Emissions
IEEE 802.11n_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



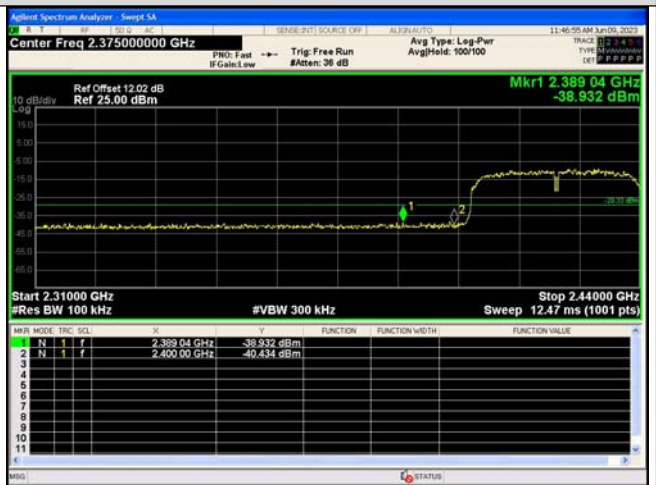
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



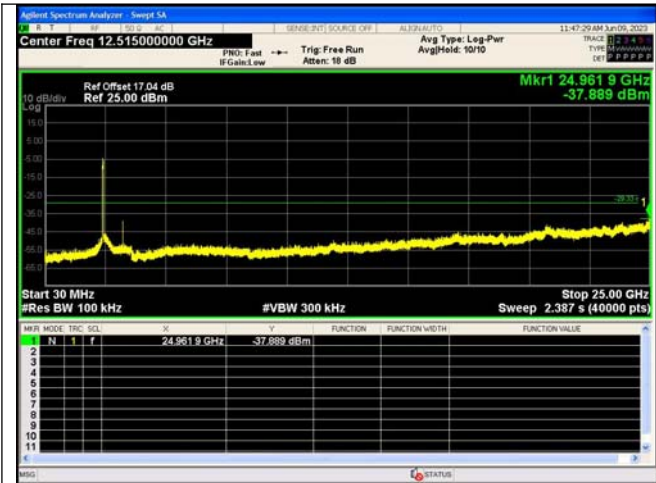
Spurious Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



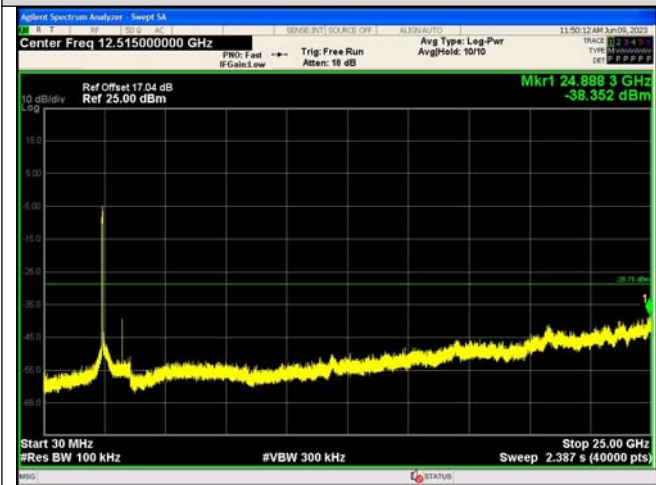
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



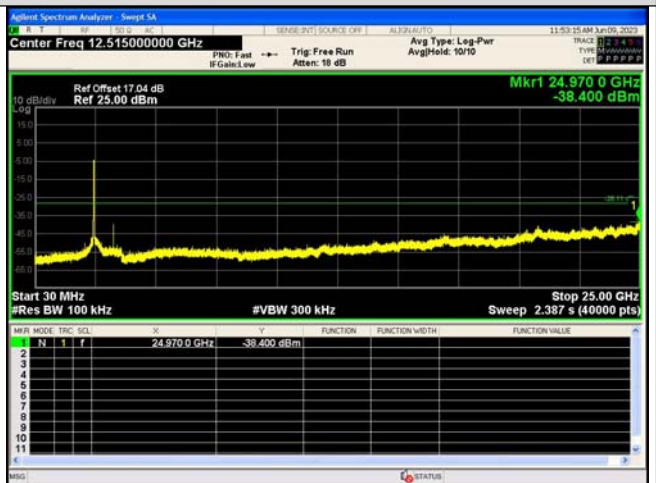
Spurious Emissions
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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

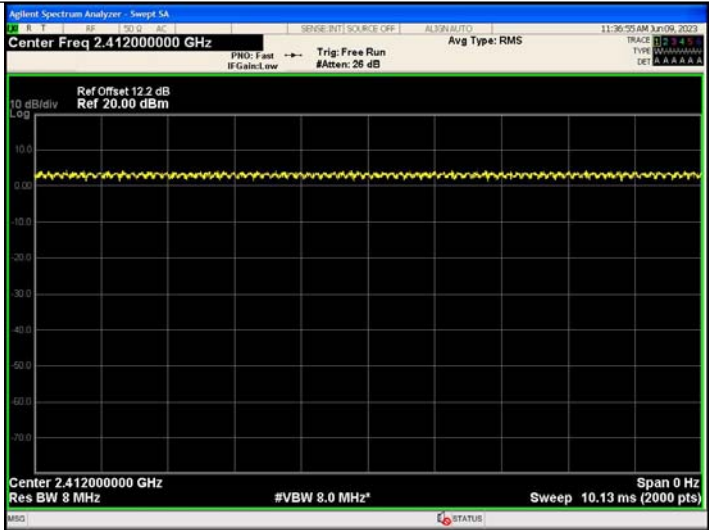
APPENDIX V.Duty Cycle

Test Result

Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	30.120	30.120	100	1	0.0
IEEE 802.11g	54	1	10.130	10.130	100	1	0.0
IEEE 802.11n_20	MCS 7	1	10.130	10.130	100	1	0.0
IEEE 802.11n_40		3	10.130	10.130	100	1	0.0

Test Graphs





IEEE 802.11n_20MHz_Channel 1



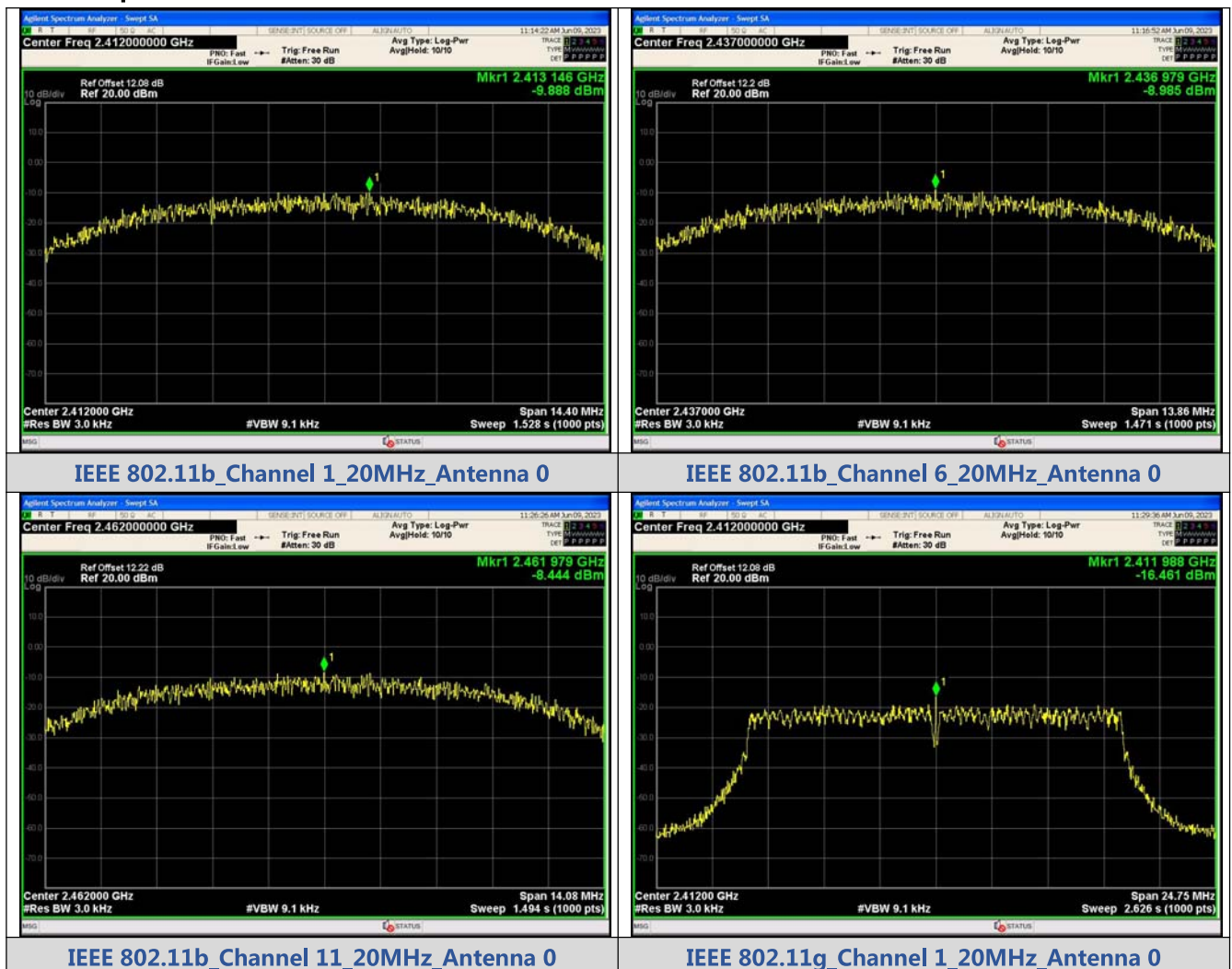
IEEE 802.11n_40MHz_Channel 3

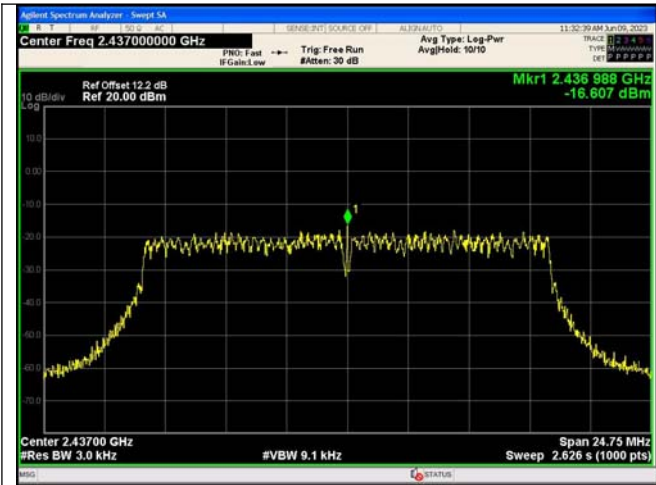
APPENDIX VI. Power Spectral Density

Test Result

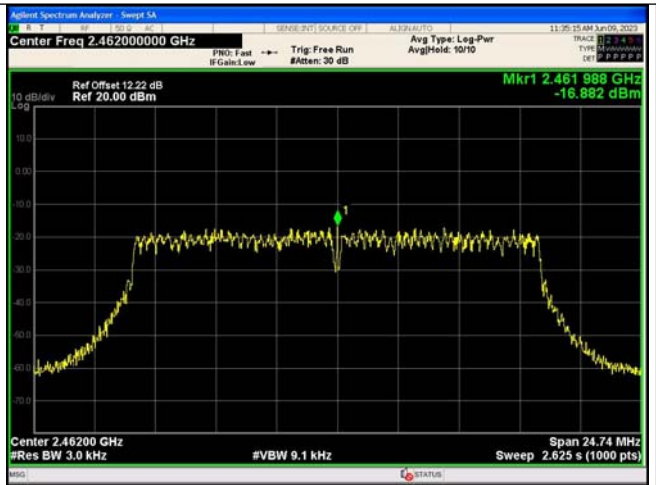
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-9.888	8	PASS
	6	-8.985		PASS
	11	-8.444		PASS
IEEE 802.11g	1	-16.461		PASS
	6	-16.607		PASS
	11	-16.882		PASS
IEEE 802.11n_20	1	-17.654		PASS
	6	-17.160		PASS
	11	-18.239		PASS
IEEE 802.11n_40	3	-17.378		PASS
	6	-15.996		PASS
	9	-17.159		PASS

Test Graphs





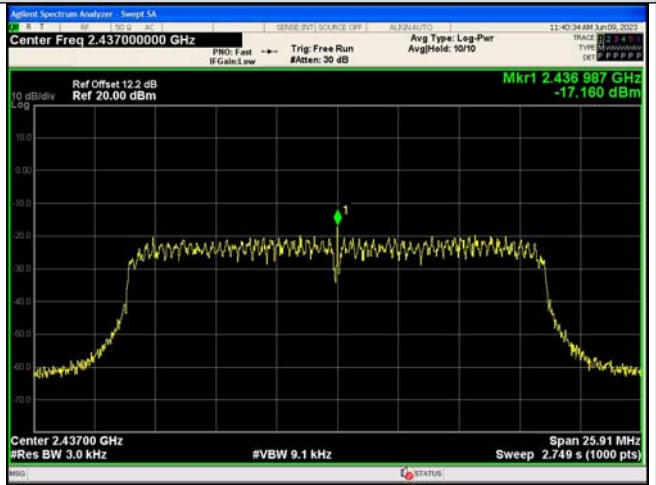
IEEE 802.11g_Channel 6_20MHz_Antenna 0



IEEE 802.11g_Channel 11_20MHz_Antenna 0



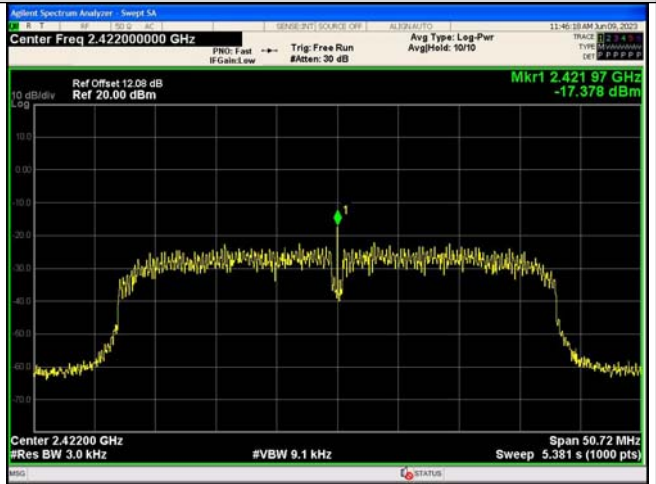
IEEE 802.11n_Channel 1_20MHz_Antenna 0



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

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