

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

Conducted peak output power

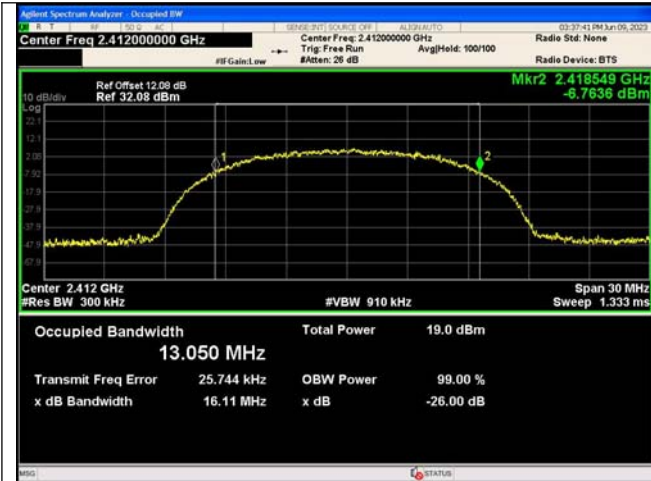
Mode	Channel	Ant. 0 (dBm)	Ant. 1 (dBm)	Ant. 2 (dBm)	Ant. 3 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	18.03	N/A	N/A	N/A	N/A	30	PASS
	6	18.06	N/A	N/A	N/A	N/A	30	PASS
	11	18.55	N/A	N/A	N/A	N/A	30	PASS
IEEE 802.11g	1	14.79	N/A	N/A	N/A	N/A	30	PASS
	6	14.95	N/A	N/A	N/A	N/A	30	PASS
	11	15.33	N/A	N/A	N/A	N/A	30	PASS
IEEE 802.11n_20	1	13.43	N/A	N/A	N/A	N/A	30	PASS
	6	13.78	N/A	N/A	N/A	N/A	30	PASS
	11	13.98	N/A	N/A	N/A	N/A	30	PASS
IEEE 802.11n_40	3	13.07	N/A	N/A	N/A	N/A	30	PASS
	6	12.99	N/A	N/A	N/A	N/A	30	PASS
	9	13.05	N/A	N/A	N/A	N/A	30	PASS

APPENDIX II.99% Bandwidth

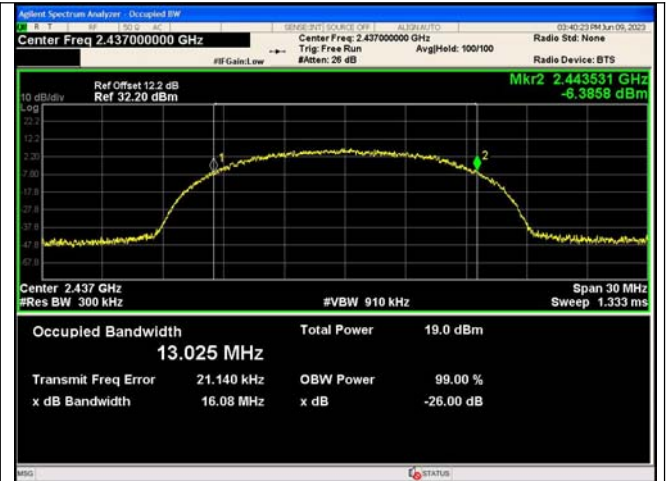
Test Result

Mode	Channel	Ant.	99% BW (MHz)
IEEE 802.11b	1	0	13.050
	6		13.025
	11		13.081
IEEE 802.11g	1		16.466
	6		16.443
	11		16.465
IEEE 802.11n_20	1		17.270
	6		17.267
	11		17.280
IEEE 802.11n_40	3		34.300
	6		34.352
	9		34.326

Test Graphs



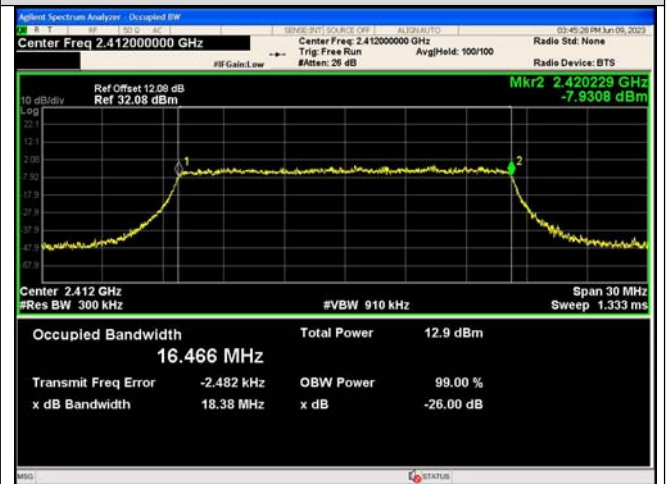
IEEE 802.11b_Channel 1_20MHz_Antenna 0



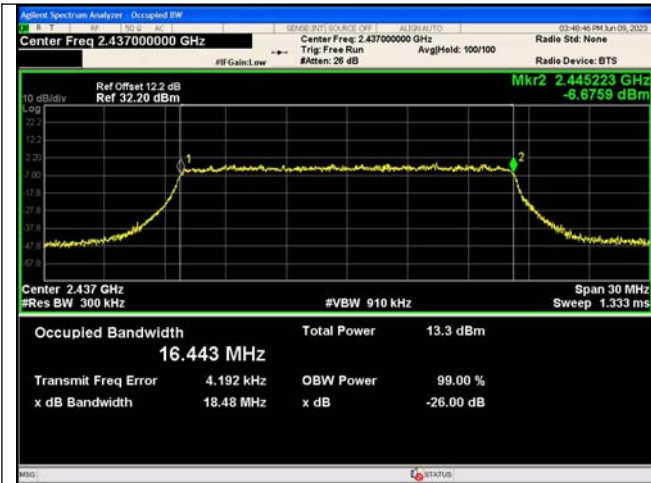
IEEE 802.11b_Channel 6_20MHz_Antenna 0



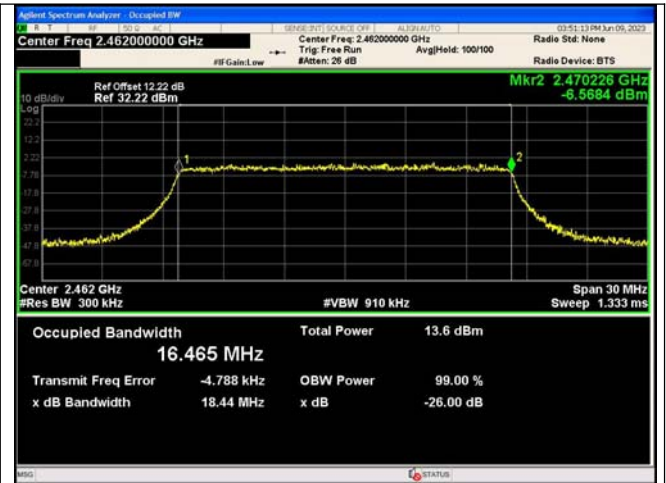
IEEE 802.11b_Channel 11_20MHz_Antenna 0



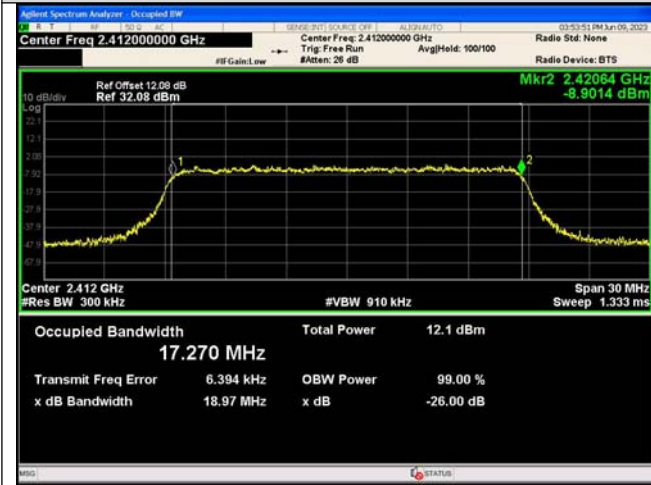
IEEE 802.11g_Channel 1_20MHz_Antenna 0



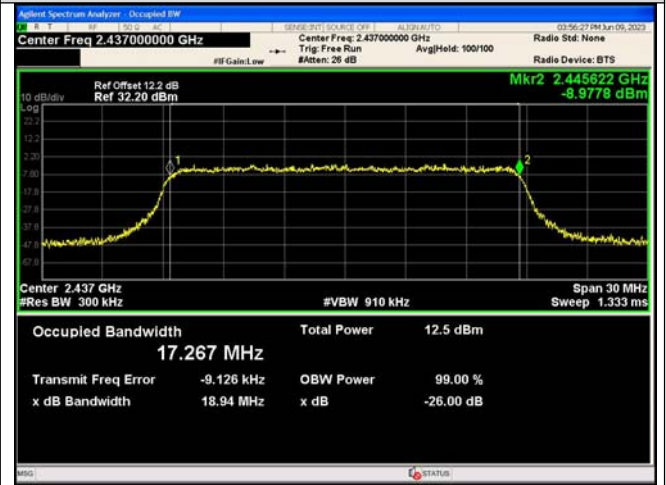
IEEE 802.11g_Channel 6_20MHz_Antenna 0



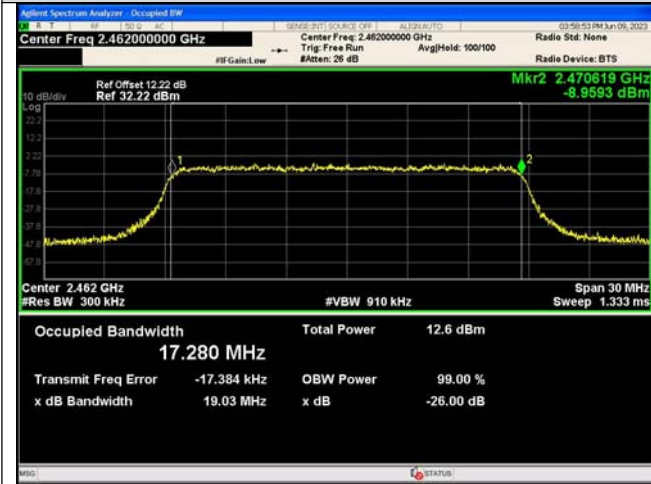
IEEE 802.11g_Channel 11_20MHz_Antenna 0



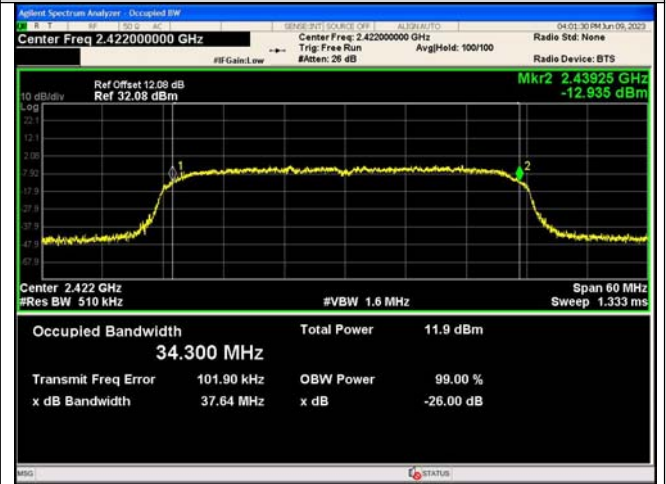
IEEE 802.11n_Channel 1_20MHz_Antenna 0



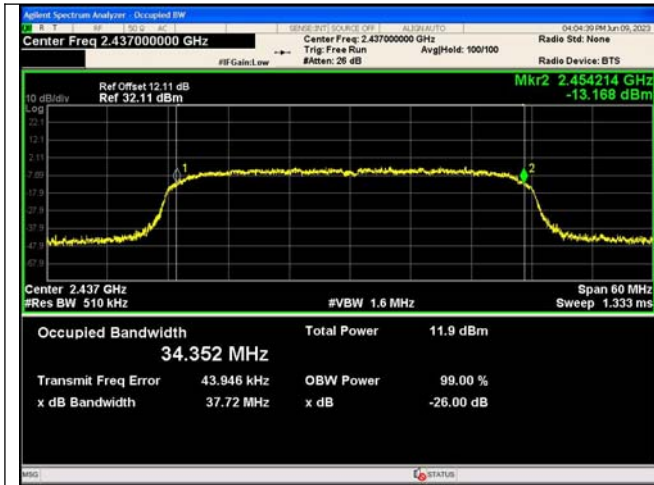
IEEE 802.11n_Channel 6_20MHz_Antenna 0



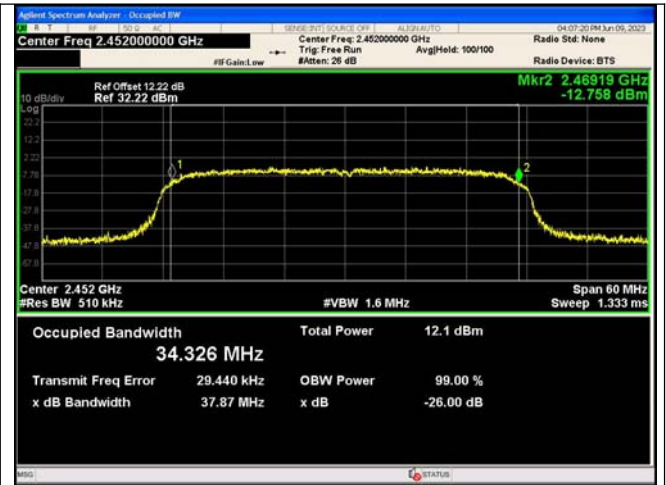
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



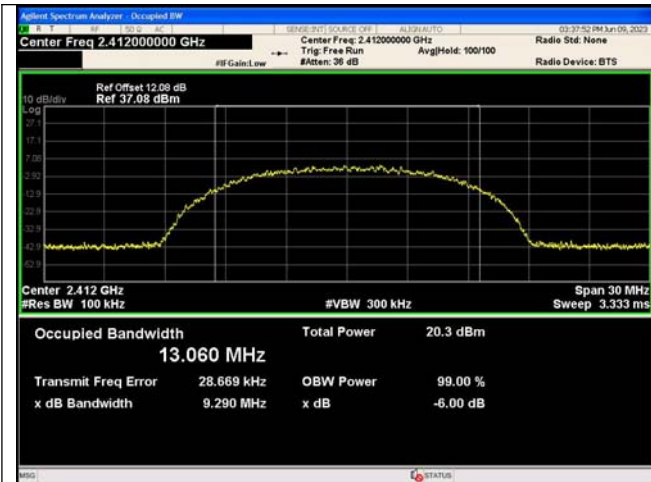
IEEE 802.11n_Channel 9_40MHz_Antenna 0

APPENDIX III.6dB Bandwidth

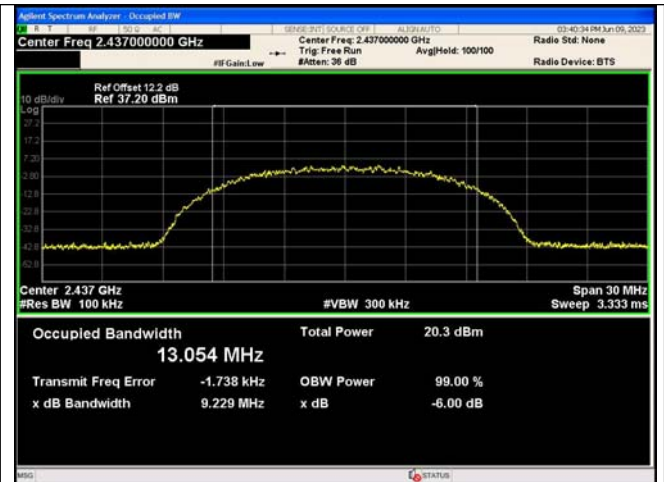
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.290	0.5	PASS
	6		2437	9.229		PASS
	11		2462	9.221		PASS
IEEE 802.11g	1		2412	16.49		PASS
	6		2437	16.48		PASS
	11		2462	16.49		PASS
IEEE 802.11n_20	1		2412	17.28		PASS
	6		2437	17.03		PASS
	11		2462	17.12		PASS
IEEE 802.11n_40	3		2422	32.27		PASS
	6		2437	31.69		PASS
	9		2452	31.70		PASS

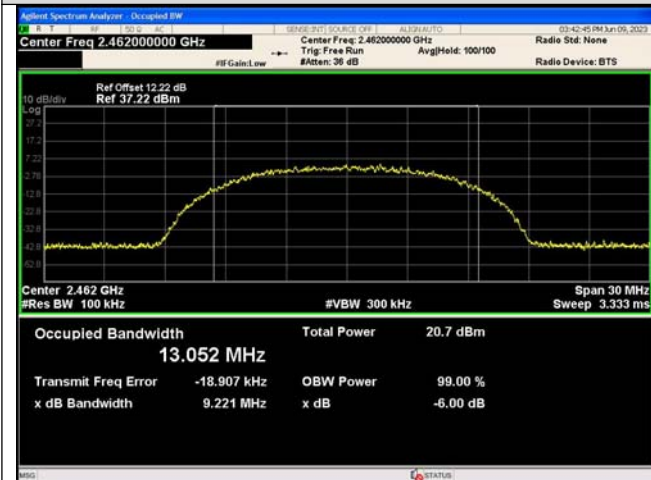
Test Graphs



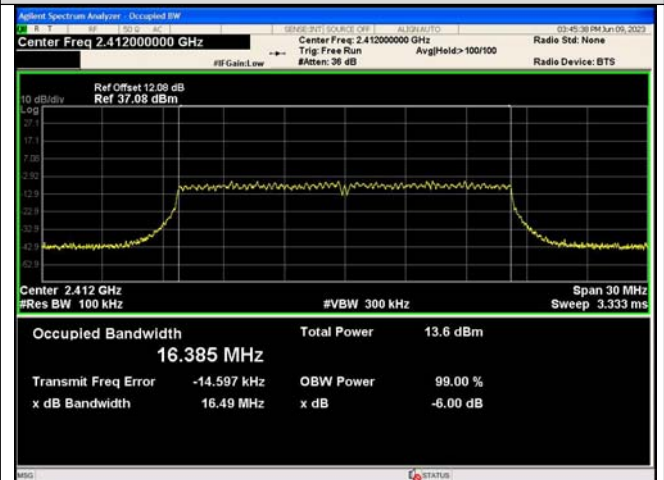
IEEE 802.11b_Channel 1_20MHz_Antenna 0



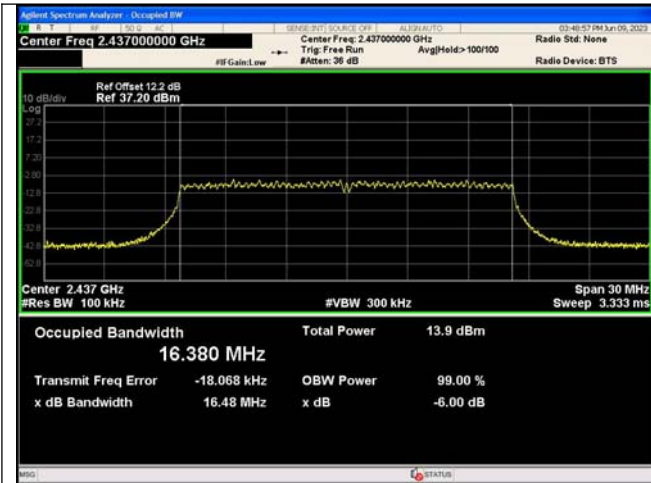
IEEE 802.11b_Channel 6_20MHz_Antenna 0



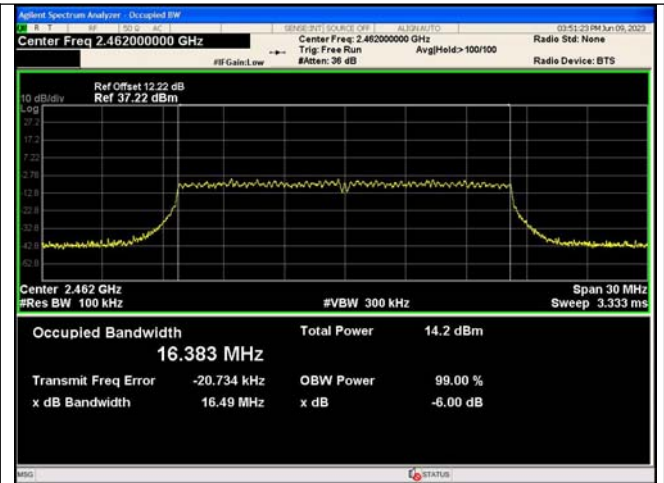
IEEE 802.11b_Channel 11_20MHz_Antenna 0



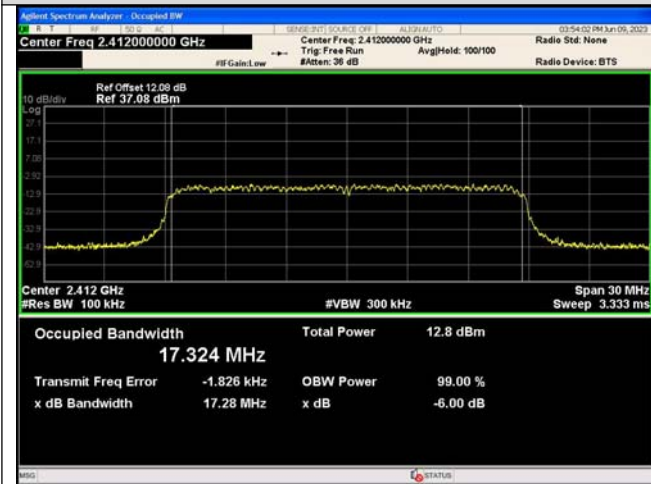
IEEE 802.11g_Channel 1_20MHz_Antenna 0



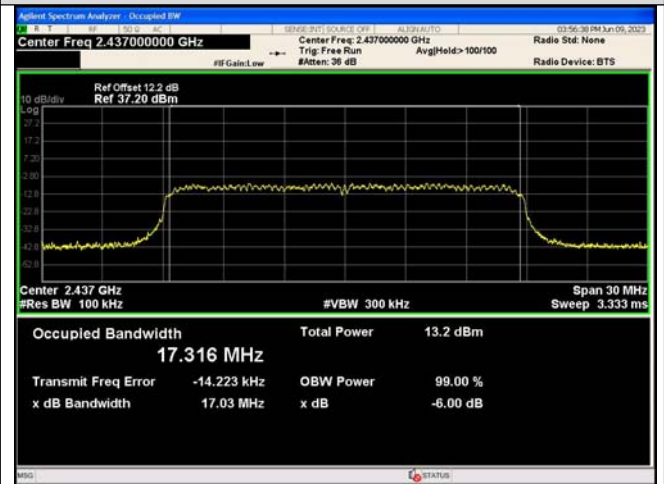
IEEE 802.11g_Channel 6_20MHz_Antenna 0



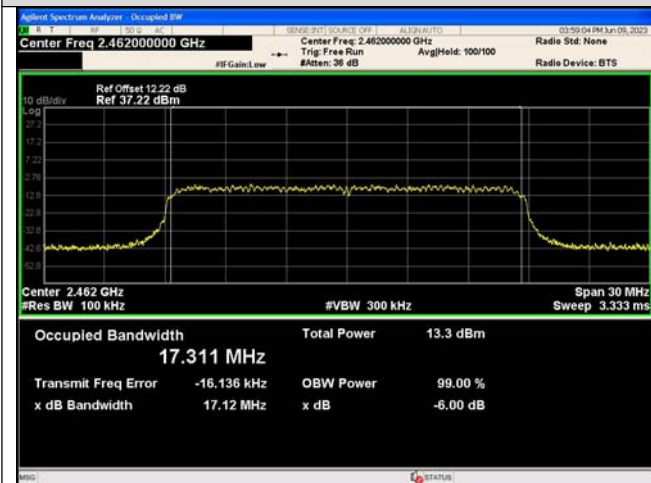
IEEE 802.11g_Channel 11_20MHz_Antenna 0



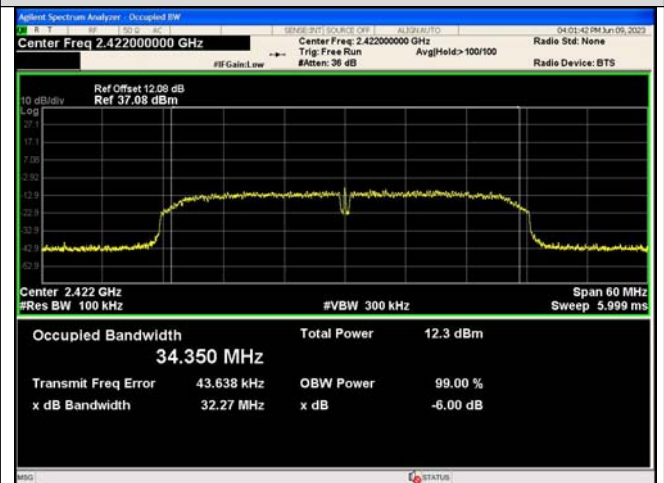
IEEE 802.11n_Channel 1_20MHz_Antenna 0



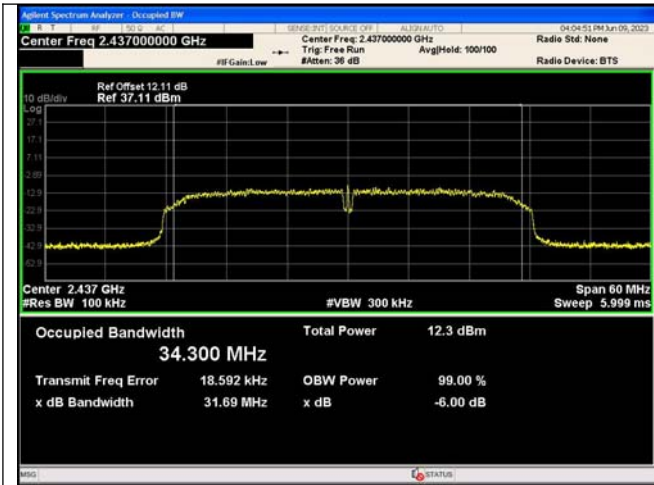
IEEE 802.11n_Channel 6_20MHz_Antenna 0



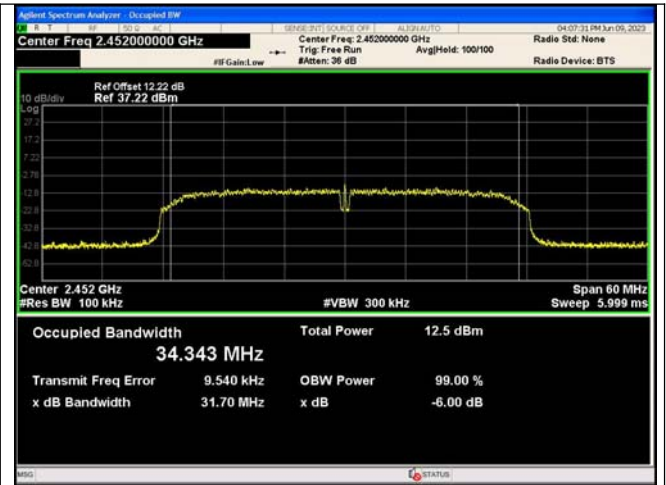
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



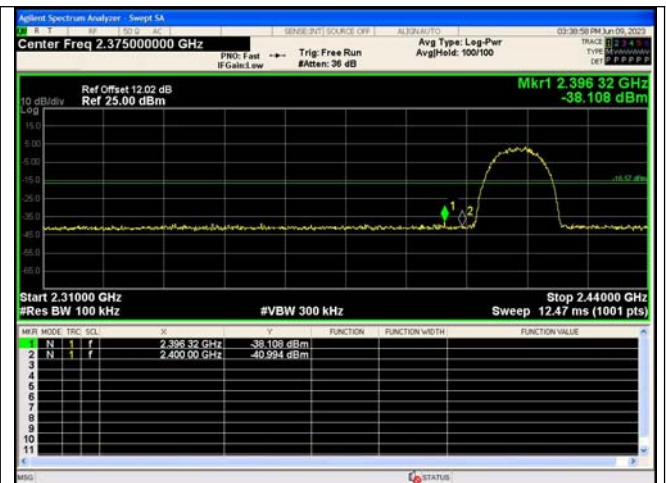
IEEE 802.11n_Channel 9_40MHz_Antenna 0

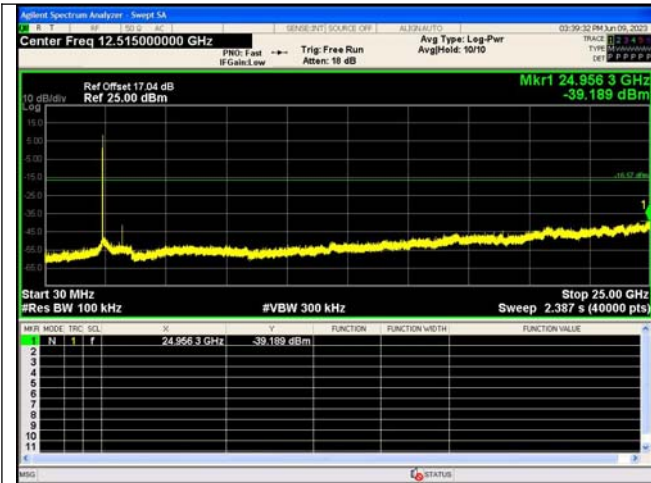
APPENDIX IV. Conducted Out Of Band Emission

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	-40.994	-16.57	-24.424	PASS
			2396.32	-38.108	-16.57	-21.538	PASS
			24956.3	-39.189	-16.57	-22.619	PASS
	6		24961.3	-38.384	-16.17	-22.214	PASS
	11		2483.50	-40.506	-16.03	-24	PASS
			24973.2	-38.696	-16.03	-22.666	PASS
IEEE 802.11g	1		2400.00	-39.143	-25.42	-13.723	PASS
			2374.09	-38.746	-25.42	-13.326	PASS
			24915.1	-38.396	-25.42	-12.976	PASS
	6		24973.2	-38.194	-25.06	-13.134	PASS
	11		2483.50	-40.358	-24.69	-16	PASS
			24874.5	-38.356	-24.69	-13.666	PASS
IEEE 802.11n_20	1	2400.00	-39.726	-27.16	-12.566	PASS	
		2382.15	-38.924	-27.16	-11.764	PASS	
		24929.5	-38.459	-27.16	-11.299	PASS	
	6	24975.0	-37.928	-26.37	-11.558	PASS	
	11	2483.50	-40.339	-26.35	-14	PASS	
		24925.7	-37.617	-26.35	-11.267	PASS	
IEEE 802.11n_40	3	2400.00	-40.975	-28.69	-12.285	PASS	
		2342.50	-38.257	-28.69	-9.567	PASS	
		24993.1	-38.196	-28.69	-9.506	PASS	
	6	24924.5	-38.604	-28.1	-10.504	PASS	
	9	2483.50	-40.326	-28.53	-12	PASS	
		24626.7	-38.015	-28.53	-9.485	PASS	

Test Graphs





Spurious Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



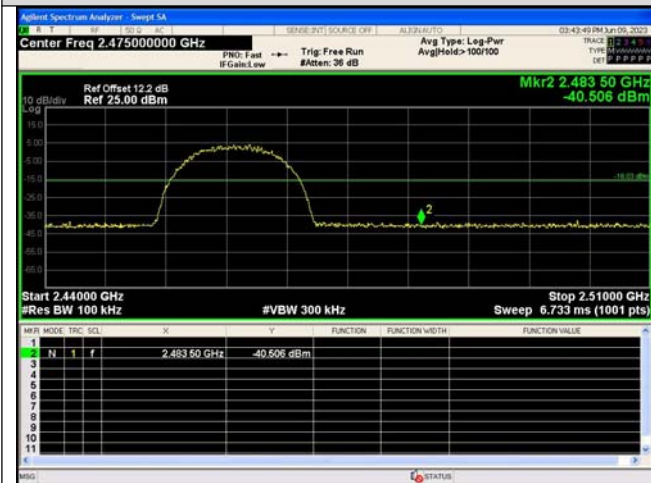
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



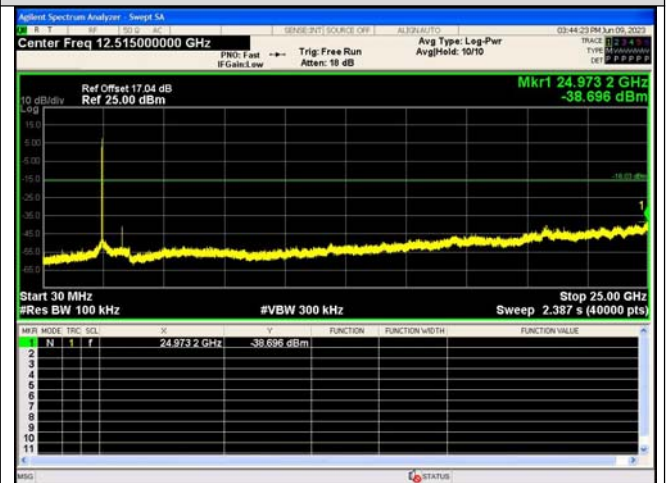
Spurious Emissions
IEEE 802.11b_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



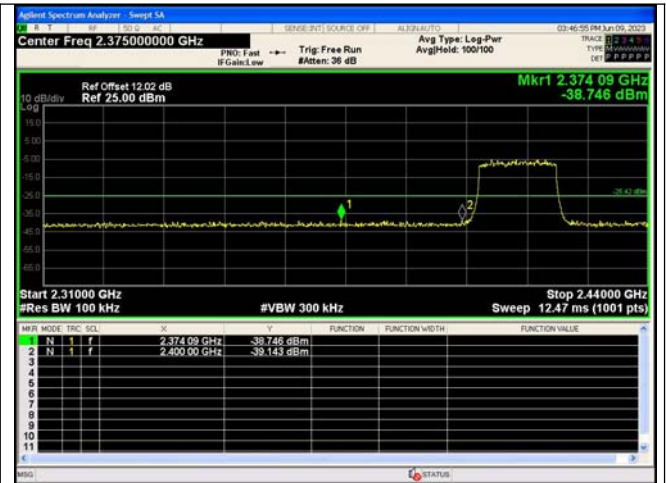
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



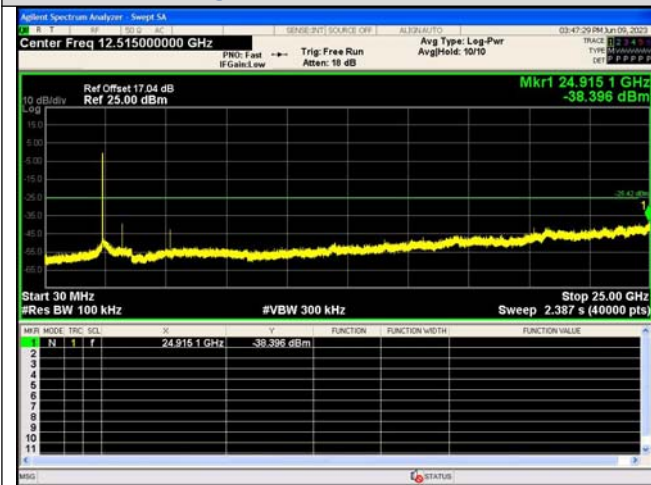
Spurious Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



In-Band Reference Level
 IEEE 802.11g_Channel 1_20MHz_Antenna 0



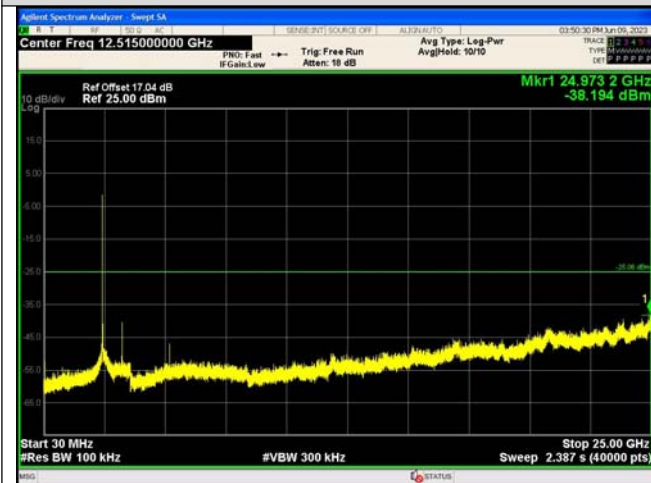
Out Of Band Emission
 IEEE 802.11g_Channel 1_20MHz_Antenna 0



Spurious Emission
 IEEE 802.11g_Channel 1_20MHz_Antenna 0



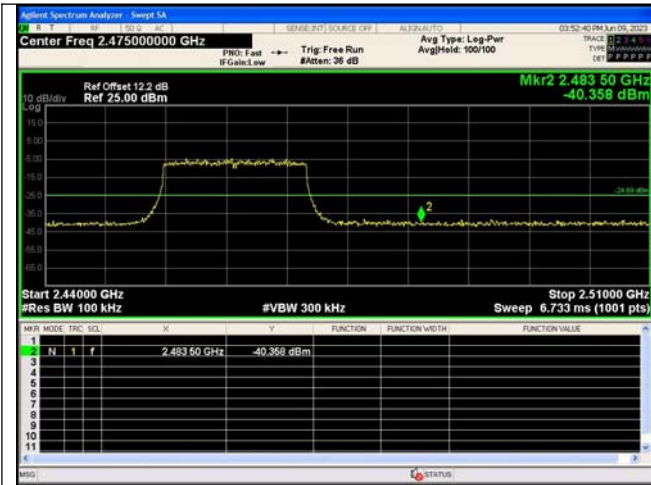
In-Band Reference Level
 IEEE 802.11g_Channel 6_20MHz_Antenna 0



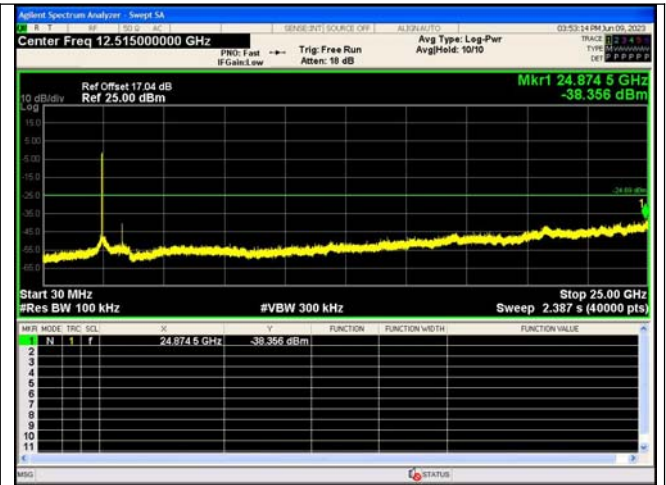
Spurious Emissions
 IEEE 802.11g_Channel 6_20MHz_Antenna 0



In-Band Reference Level
 IEEE 802.11g_Channel 11_20MHz_Antenna 0



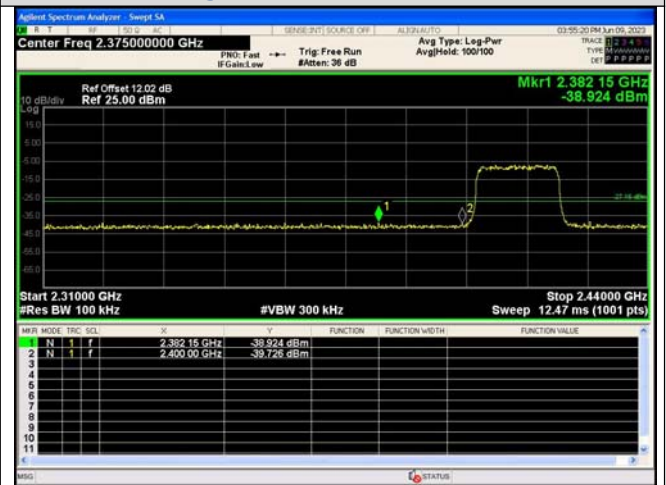
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



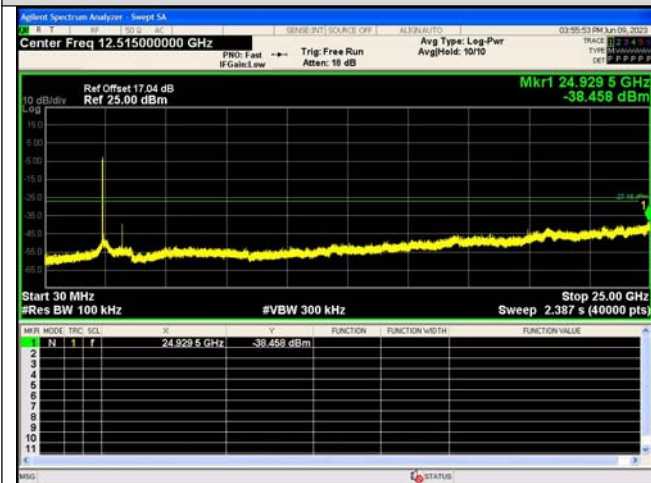
Spurious Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



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



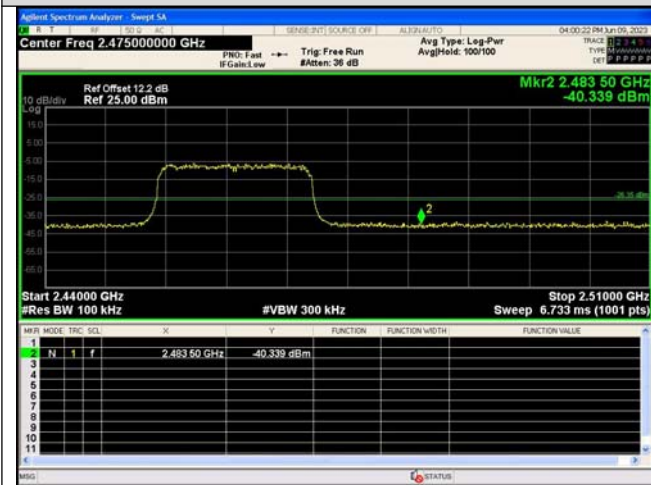
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



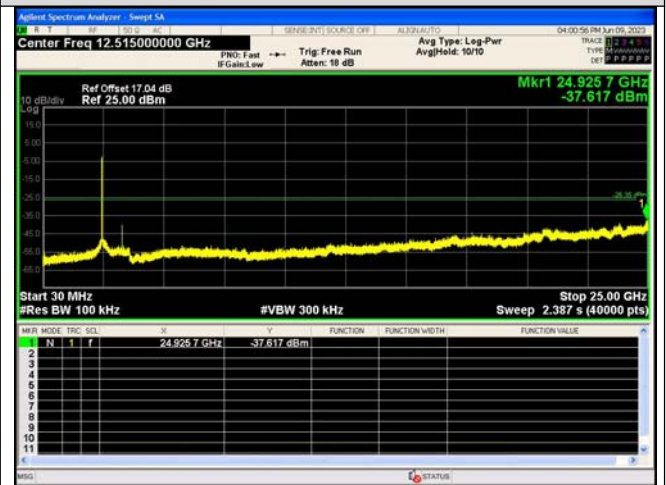
Spurious Emissions
 IEEE 802.11n_Channel 6_20MHz_Antenna 0



In-Band Reference Level
 IEEE 802.11n_Channel 11_20MHz_Antenna 0



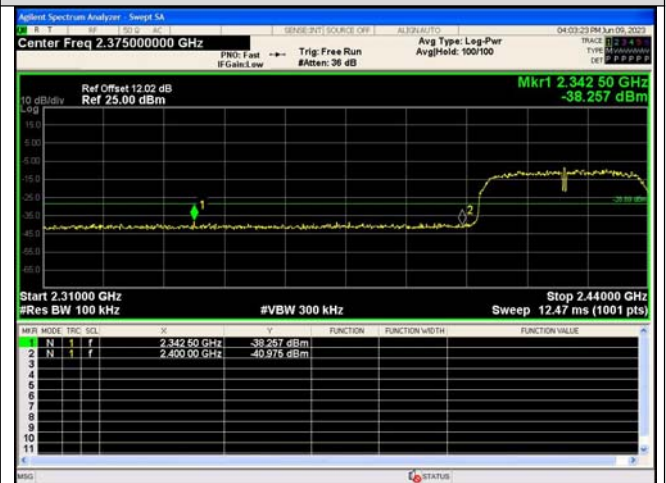
Out Of Band Emission
 IEEE 802.11n_Channel 11_20MHz_Antenna 0



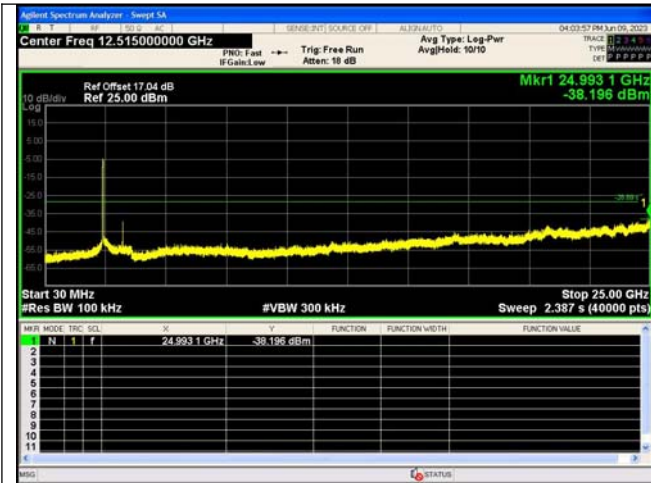
Spurious Emission
 IEEE 802.11n_Channel 11_20MHz_Antenna 0



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



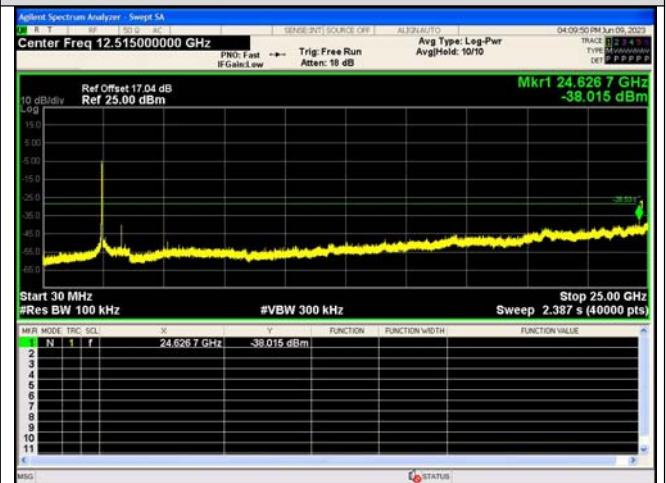
Spurious Emissions
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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

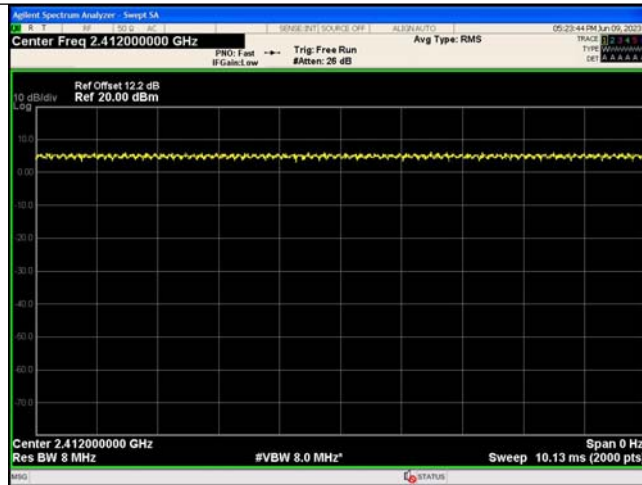
APPENDIX V.Duty Cycle

Test Result

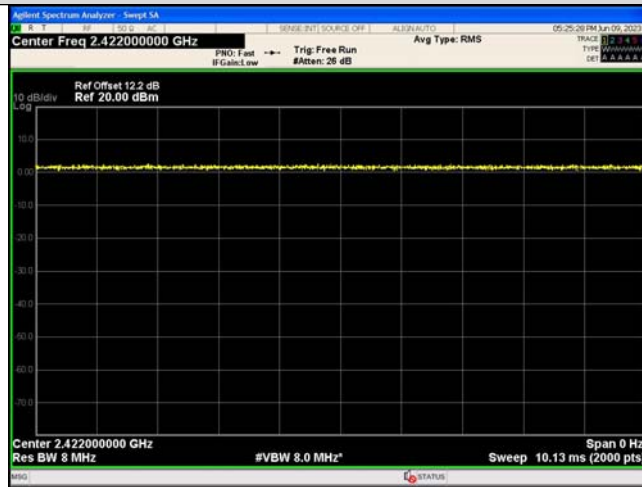
Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	30.120	30.120	100	1	0.0
IEEE 802.11g	54	1	10.130	10.130	100	1	0.0
IEEE 802.11n_20	MCS 7	1	10.130	10.130	100	1	0.0
IEEE 802.11n_40		3	10.130	10.130	100	1	0.0

Test Graphs





IEEE 802.11n_20MHz_Channel 1



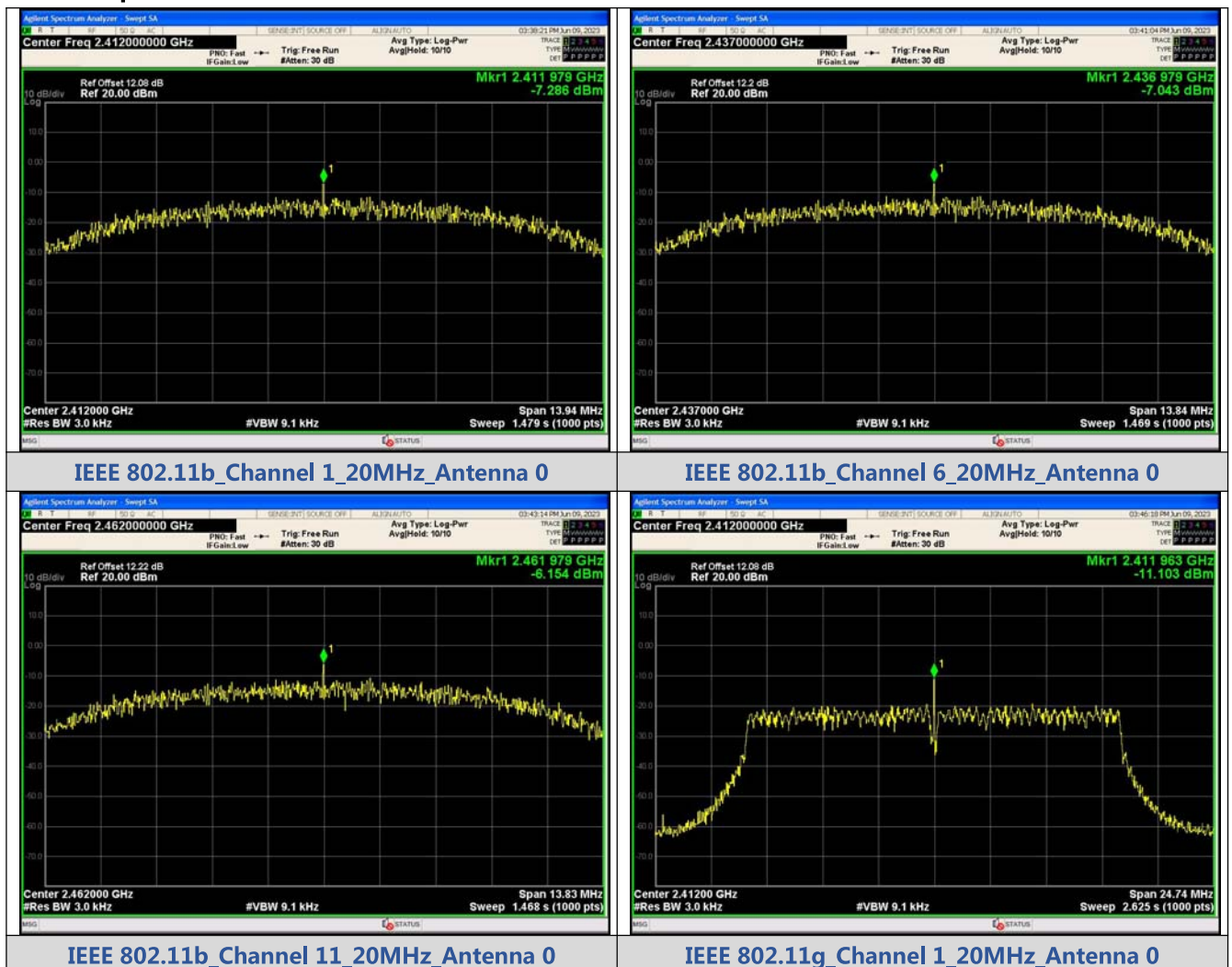
IEEE 802.11n_40MHz_Channel 3

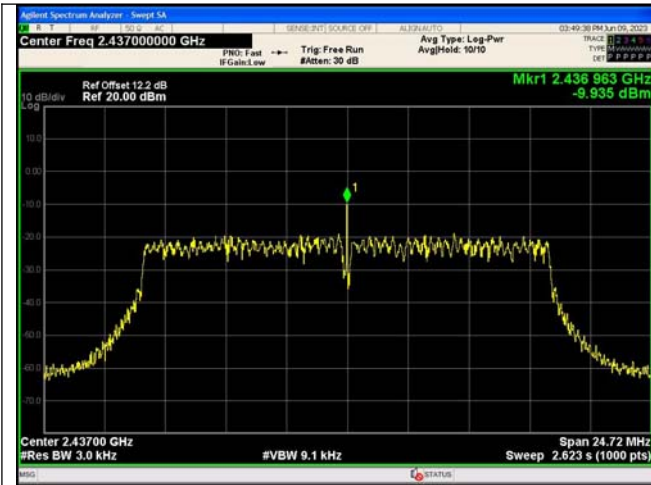
APPENDIX VI. Power Spectral Density

Test Result

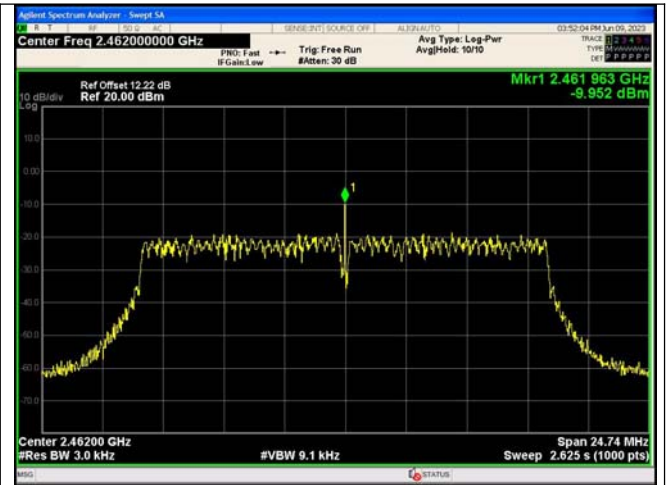
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-7.286	8	PASS
	6	-7.043		PASS
	11	-6.154		PASS
IEEE 802.11g	1	-11.103		PASS
	6	-9.935		PASS
	11	-9.952		PASS
IEEE 802.11n_20	1	-10.262		PASS
	6	-9.995		PASS
	11	-9.841		PASS
IEEE 802.11n_40	3	-10.622		PASS
	6	-9.544		PASS
	9	-9.849		PASS

Test Graphs

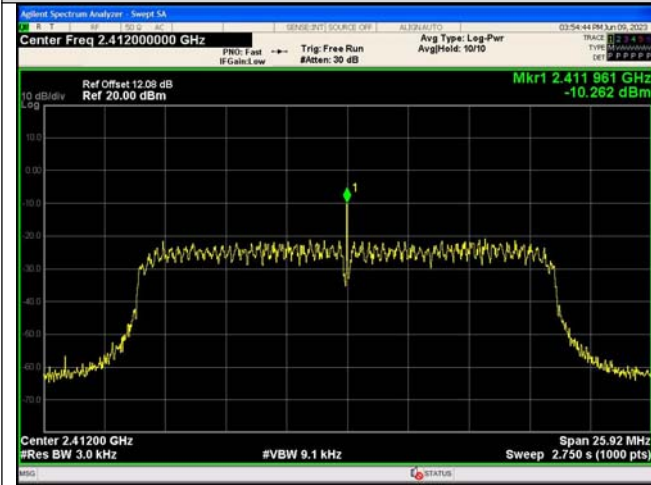




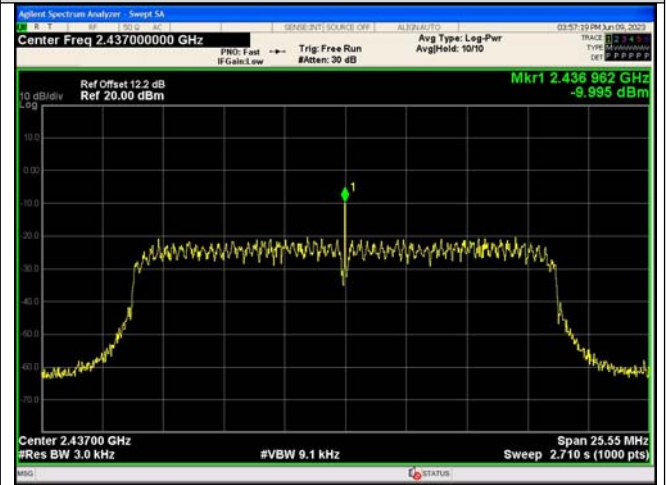
IEEE 802.11g_Channel 6_20MHz_Antenna 0



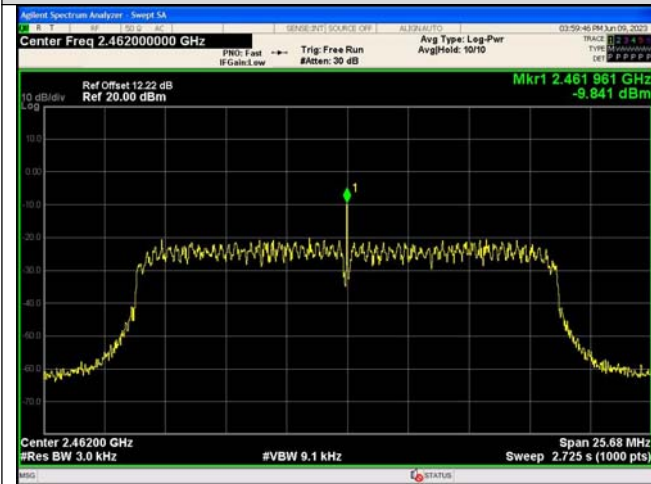
IEEE 802.11g_Channel 11_20MHz_Antenna 0



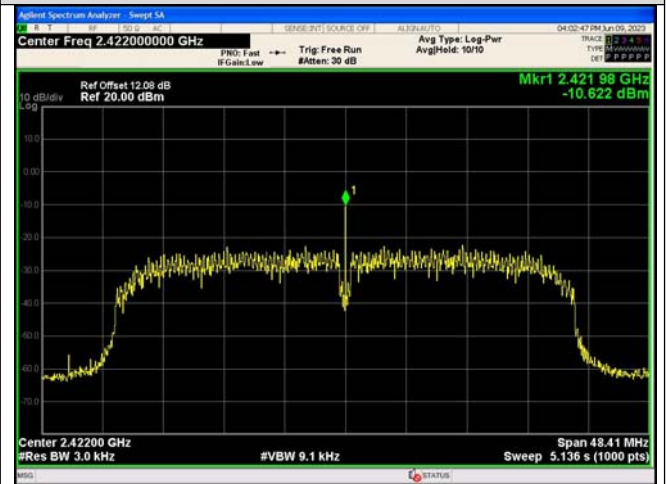
IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



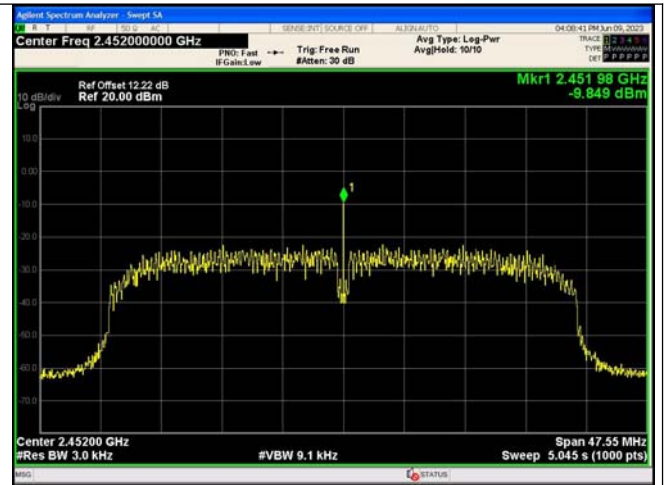
IEEE 802.11n_Channel 11_20MHz_Antenna 0



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 *****