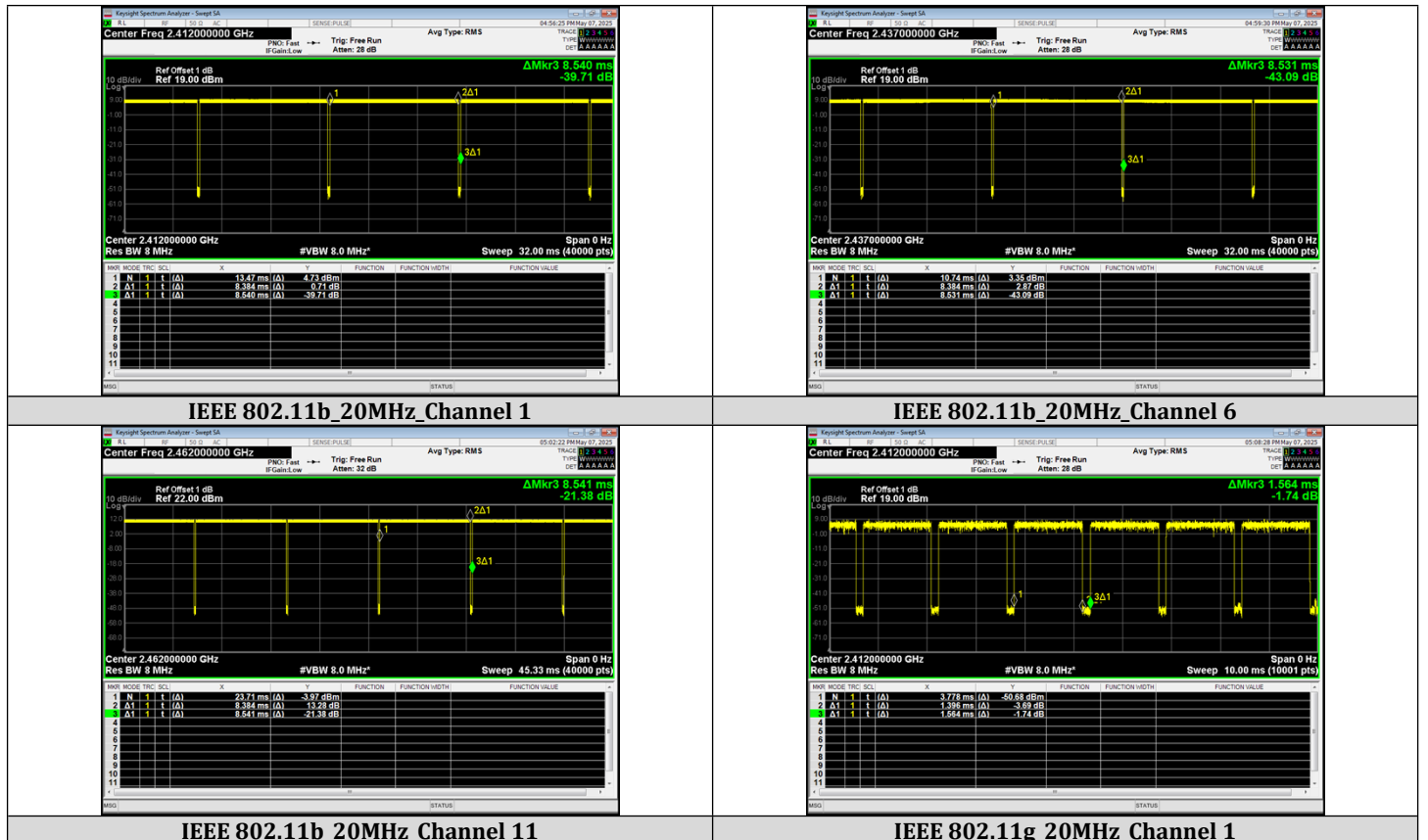


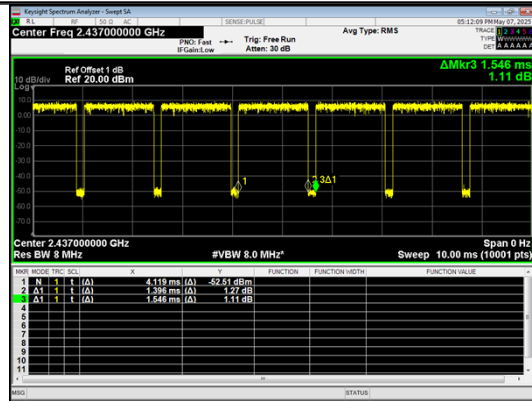
Duty Cycle

Test Result

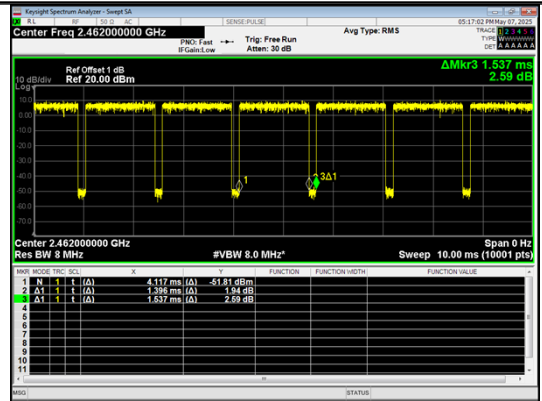
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1Mbps	1	1	8.384	8.540	98.17	0.9817	0.0802	0.1193
		6		8.384	8.531	98.27	0.9827	0.0758	0.1193
		11		8.384	8.541	98.17	0.9817	0.0802	0.1193
IEEE 802.11g	6Mbps	1		1.396	1.564	89.26	0.8926	0.4934	0.7163
		6		1.396	1.546	90.30	0.9030	0.4431	0.7163
		11		1.396	1.537	90.83	0.9083	0.4177	0.7163
IEEE 802.11n_20	MCS 0	1		1.178	1.328	88.70	0.8870	0.5208	0.8489
		6		1.177	1.328	88.59	0.8859	0.5262	0.8496
		11		1.176	1.346	87.43	0.8743	0.5834	0.8503
IEEE 802.11n_40		3		0.589	0.731	80.62	0.8062	0.9356	1.6978
		6		0.589	0.740	79.65	0.7965	0.9881	1.6978
		9		0.589	0.731	80.62	0.8062	0.9356	1.6978

Test Graphs

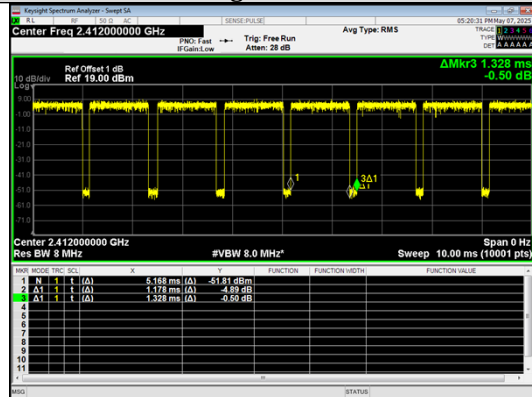




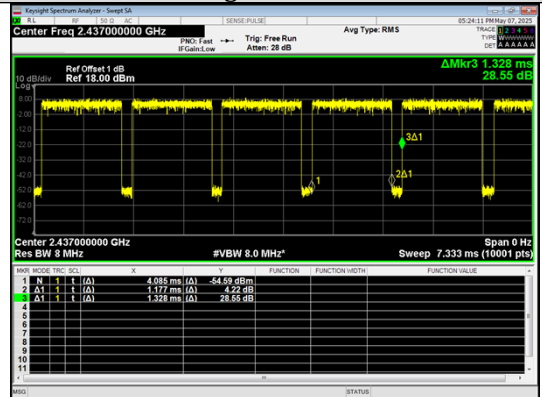
IEEE 802.11g 20MHz_Channel 6



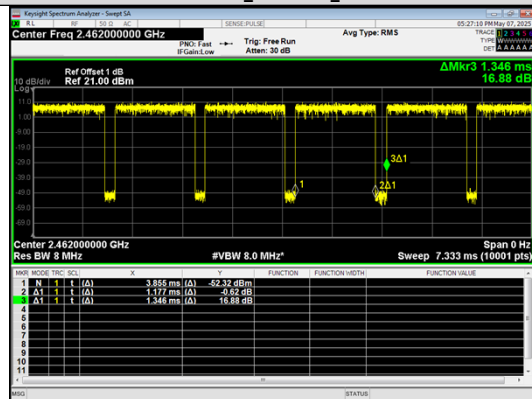
IEEE 802.11g 20MHz_Channel 11



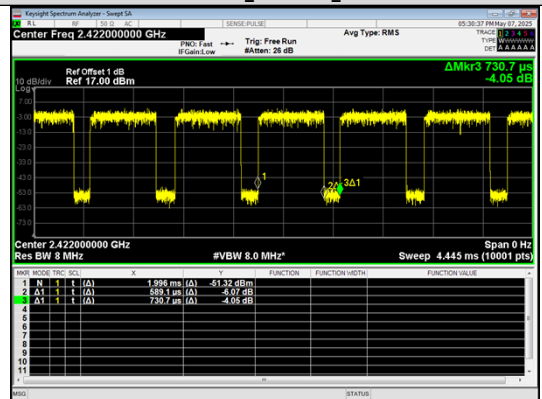
IEEE 802.11n 20MHz_Channel 1



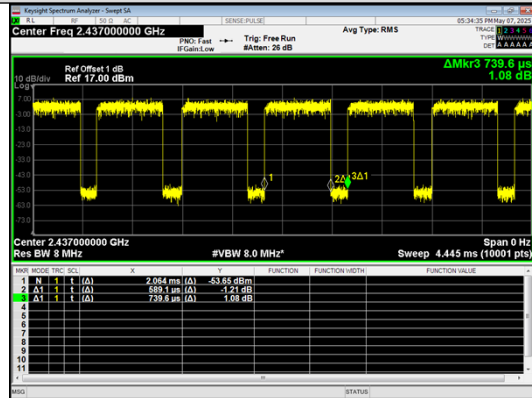
IEEE 802.11n 20MHz_Channel 6



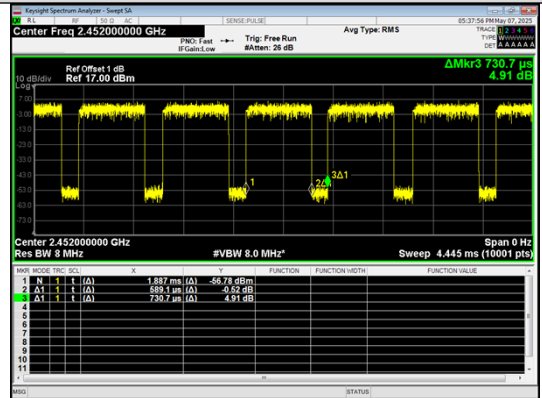
IEEE 802.11n 20MHz_Channel 11



IEEE 802.11n 40MHz_Channel 3



IEEE 802.11n 40MHz_Channel 6



IEEE 802.11n 40MHz_Channel 9

**Conducted Output Power****Test Result**

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	12.21	≤30	PASS
	6	11.76	≤30	PASS
	11	14.19	≤30	PASS
IEEE 802.11g	1	15.81	≤30	PASS
	6	16.39	≤30	PASS
	11	16.75	≤30	PASS
IEEE 802.11n_20	1	15.97	≤30	PASS
	6	15.85	≤30	PASS
	11	17.55	≤30	PASS
IEEE 802.11n_40	3	12.64	≤30	PASS
	6	16.38	≤30	PASS
	9	15.02	≤30	PASS

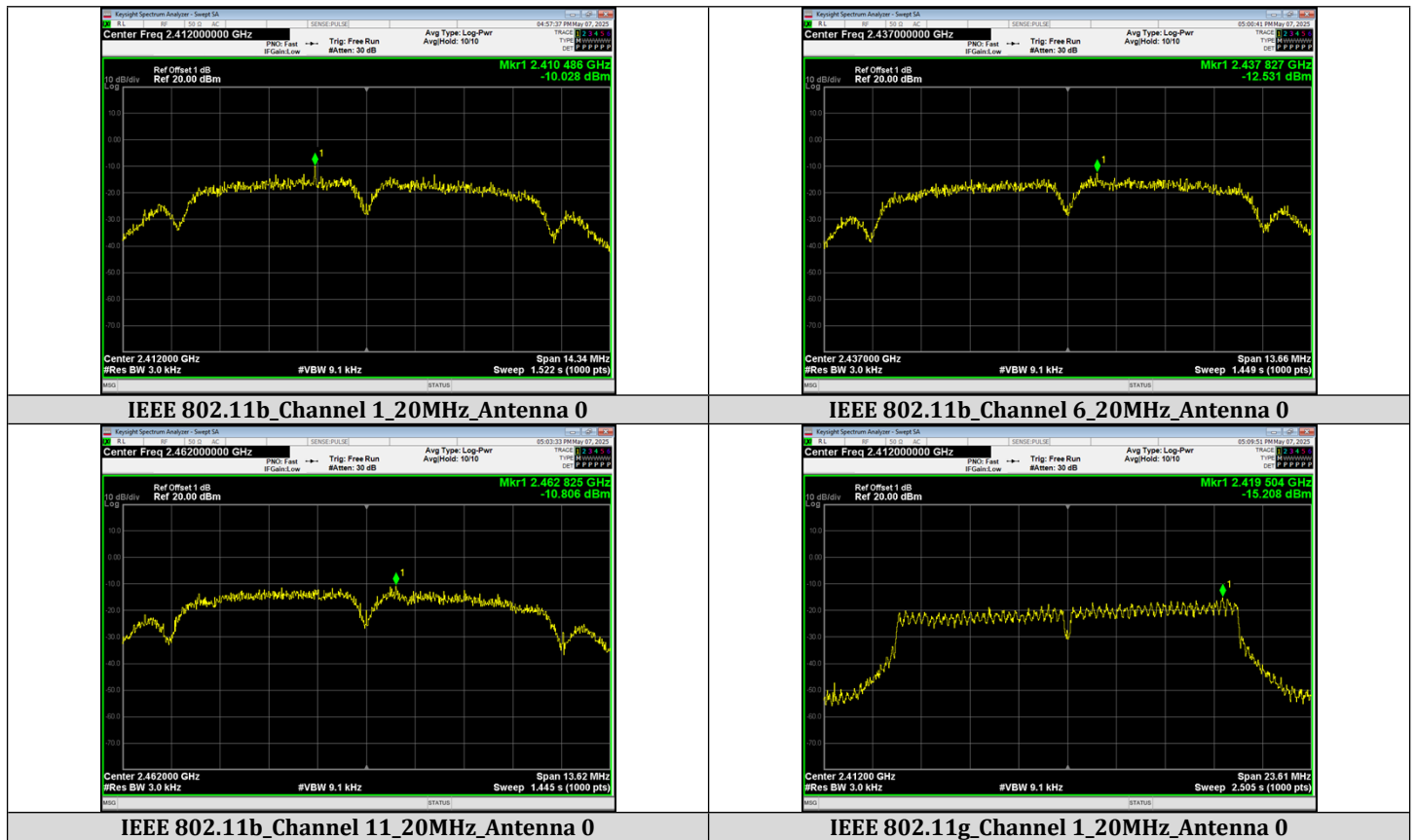


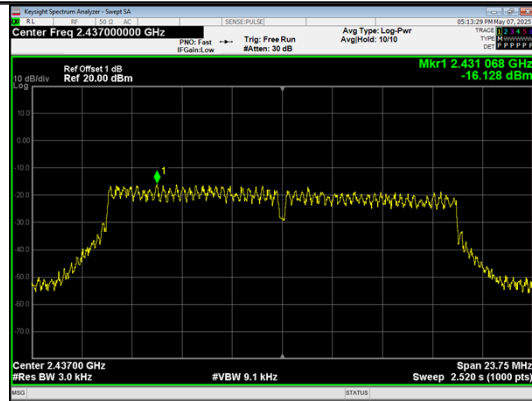
Power Spectral Density

Test Result

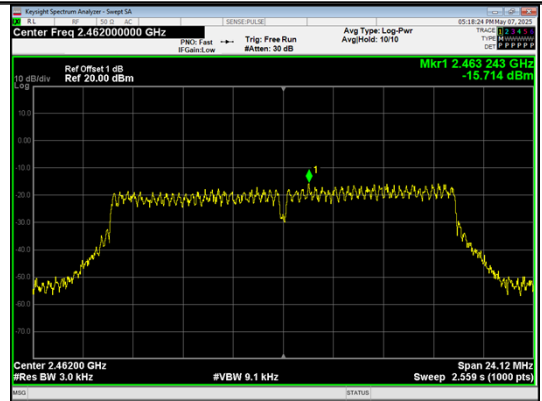
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-10.028	≤8	PASS
	6	-12.531		PASS
	11	-10.806		PASS
IEEE 802.11g	1	-15.208		PASS
	6	-16.128		PASS
	11	-15.714		PASS
IEEE 802.11n_20	1	-15.300		PASS
	6	-16.213		PASS
	11	-14.176		PASS
IEEE 802.11n_40	3	-21.731		PASS
	6	-18.846		PASS
	9	-20.011		PASS

Test Graphs

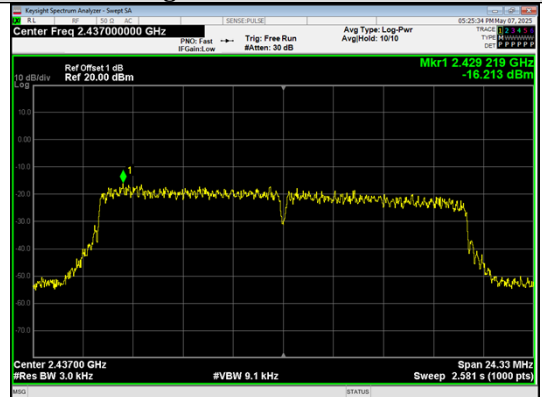
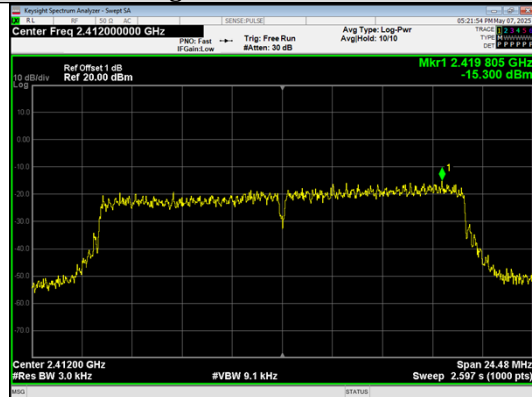




IEEE 802.11g_Channel 6_20MHz_Antenna 0

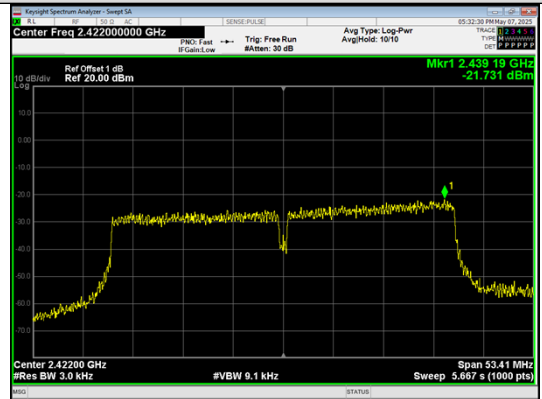
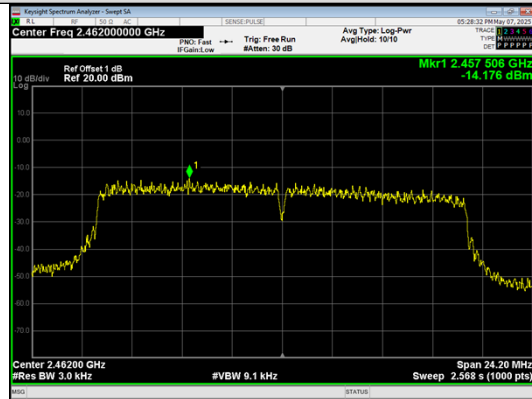


IEEE 802.11g_Channel 11_20MHz_Antenna 0



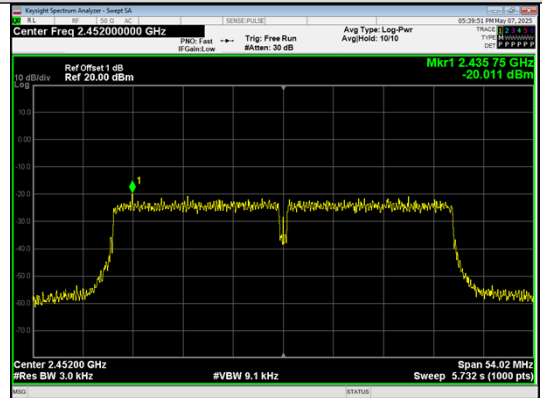
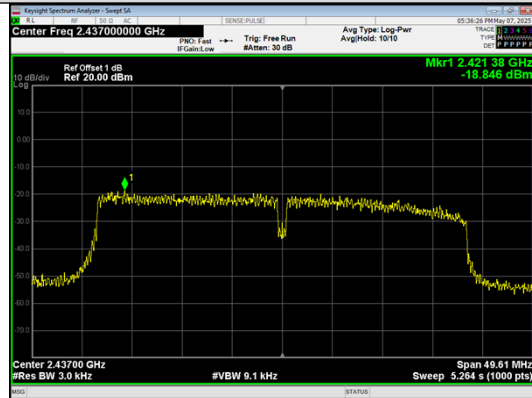
IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0

IEEE 802.11n_Channel 3_40MHz_Antenna 0

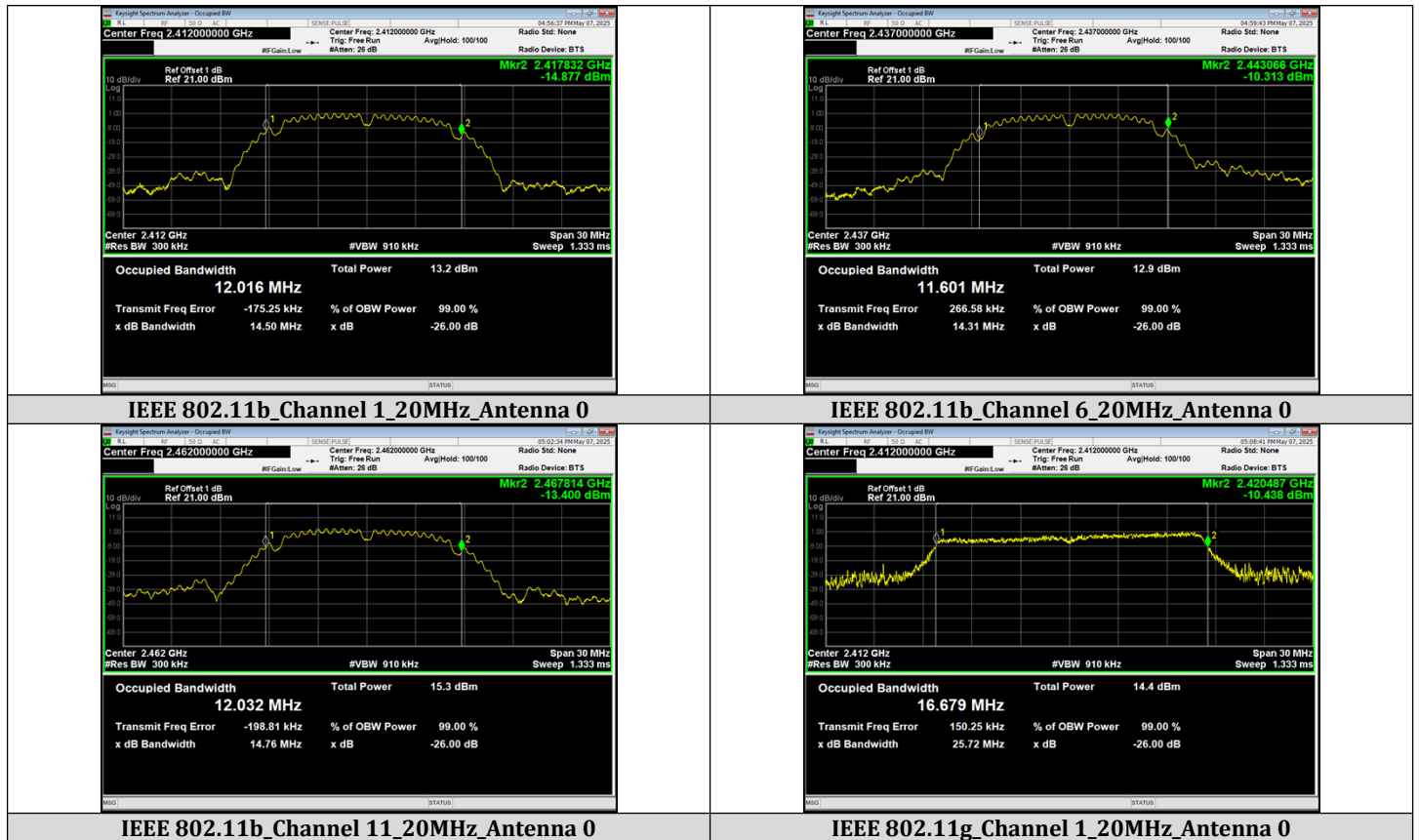


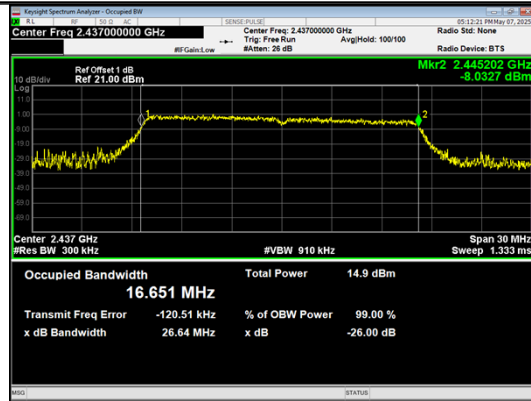
IEEE 802.11n_Channel 6_40MHz_Antenna 0

IEEE 802.11n_Channel 9_40MHz_Antenna 0

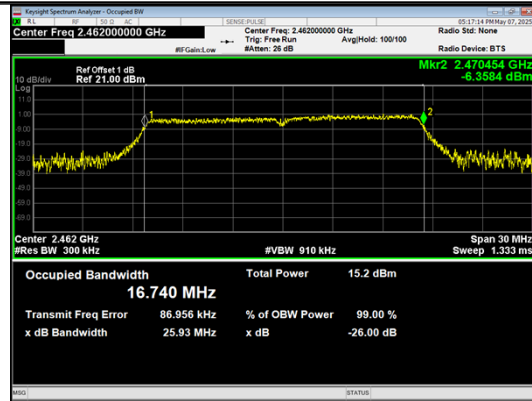
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.016
	6		2437	11.601
	11		2462	12.032
IEEE 802.11g	1		2412	16.679
	6		2437	16.651
	11		2462	16.740
IEEE 802.11n_20	1		2412	17.790
	6		2437	17.705
	11		2462	17.538
IEEE 802.11n_40	3		2422	36.397
	6		2437	35.810
	9		2452	36.290

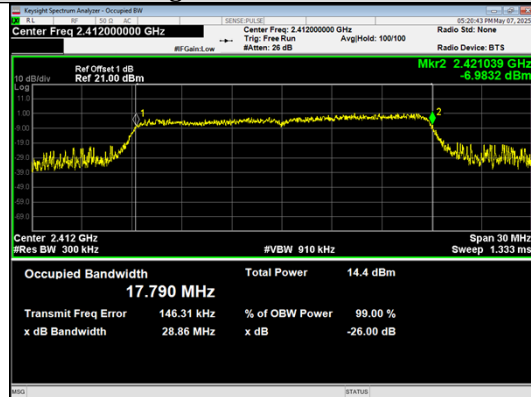
Test Graphs



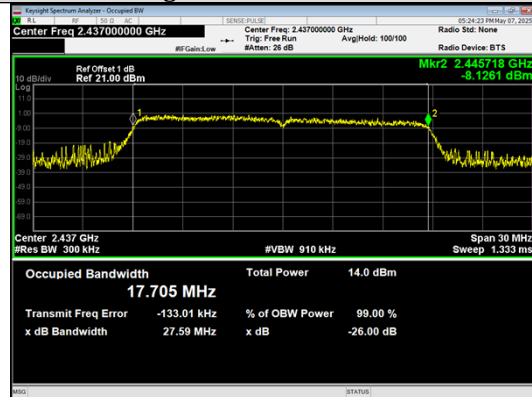
IEEE 802.11g_Channel 6_20MHz_Antenna 0



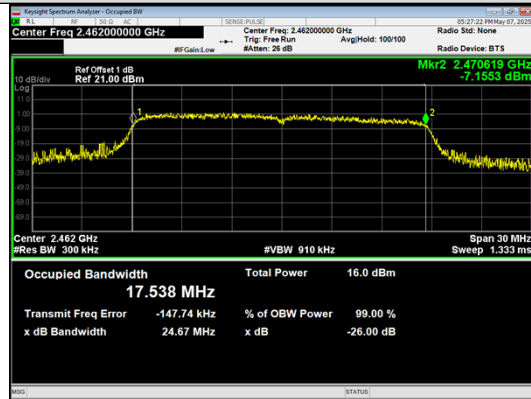
IEEE 802.11g_Channel 11_20MHz_Antenna 0



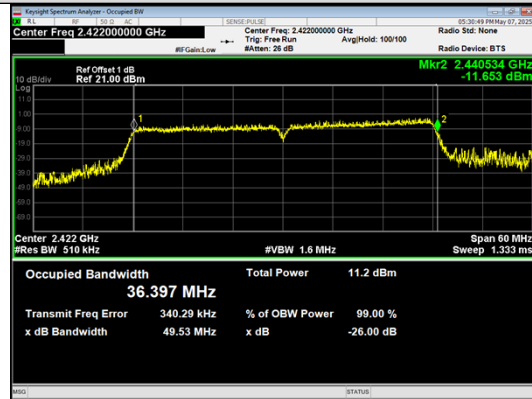
IEEE 802.11n_Channel 1_20MHz_Antenna 0



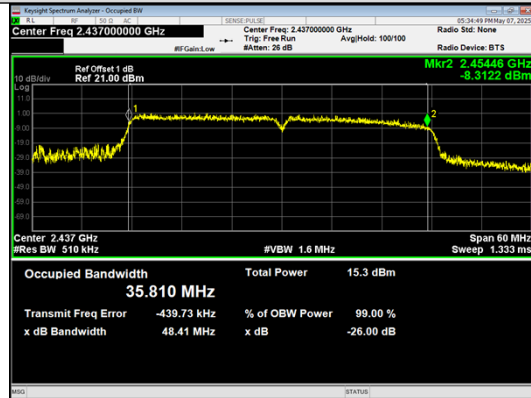
IEEE 802.11n_Channel 6_20MHz_Antenna 0



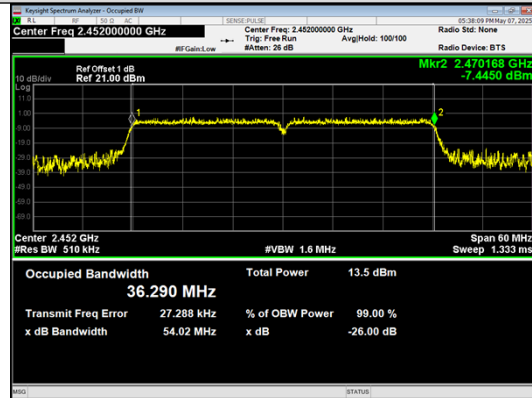
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



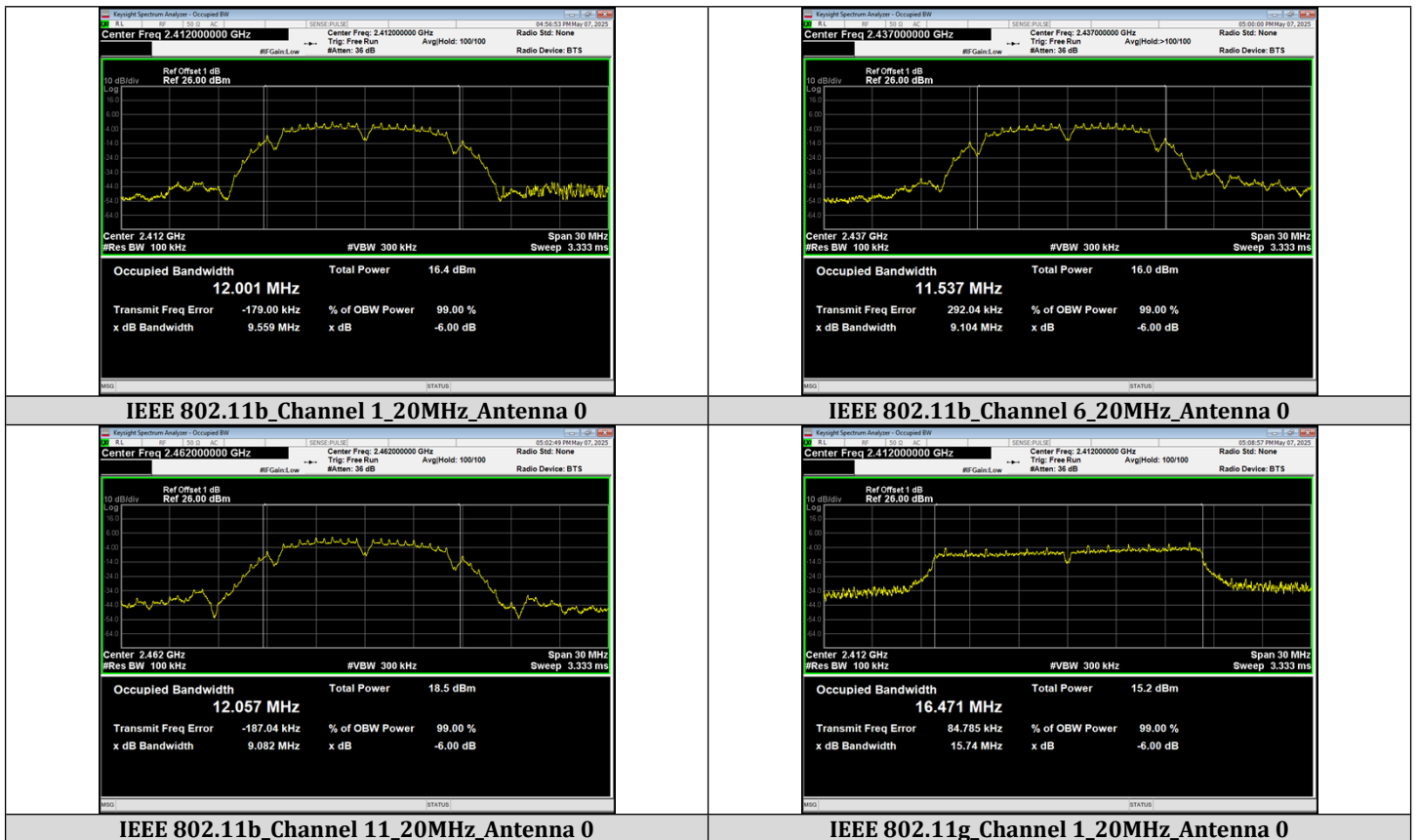
IEEE 802.11n_Channel 9_40MHz_Antenna 0

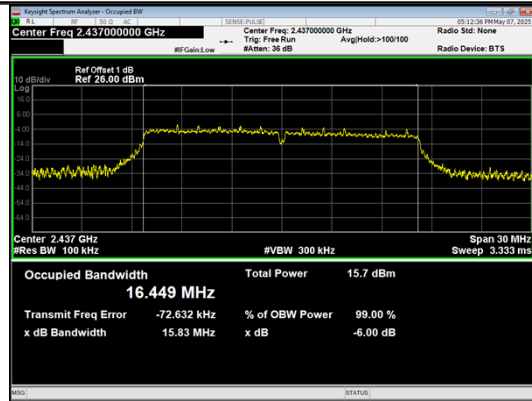
6dB Bandwidth

Test Result

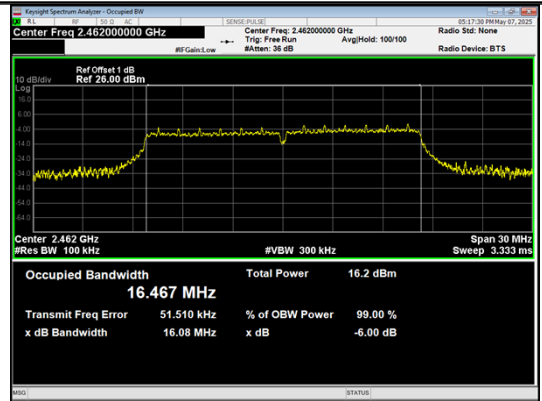
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.559	≥0.5	PASS
	6		2437	9.104		PASS
	11		2462	9.082		PASS
IEEE 802.11g	1		2412	15.74		PASS
	6		2437	15.83		PASS
	11		2462	16.08		PASS
IEEE 802.11n_20	1		2412	16.32		PASS
	6		2437	16.22		PASS
	11		2462	16.13		PASS
IEEE 802.11n_40	3		2422	35.61		PASS
	6		2437	33.07		PASS
	9		2452	36.01		PASS

Test Graphs

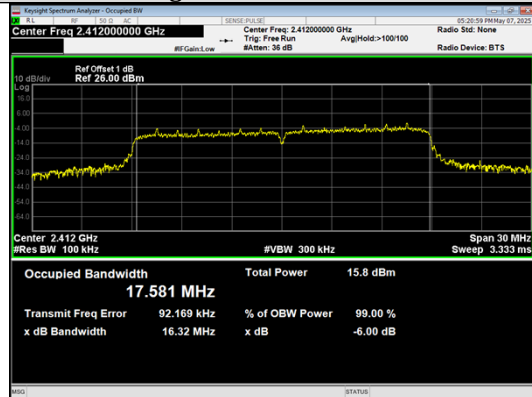




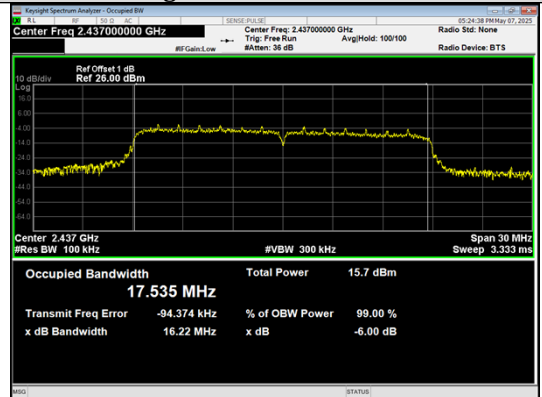
IEEE 802.11g_Channel 6_20MHz_Antenna 0



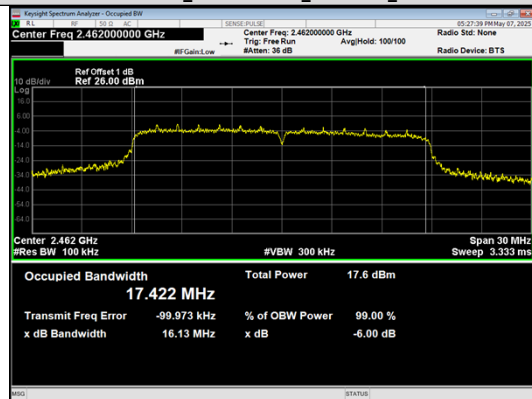
IEEE 802.11g_Channel 11_20MHz_Antenna 0



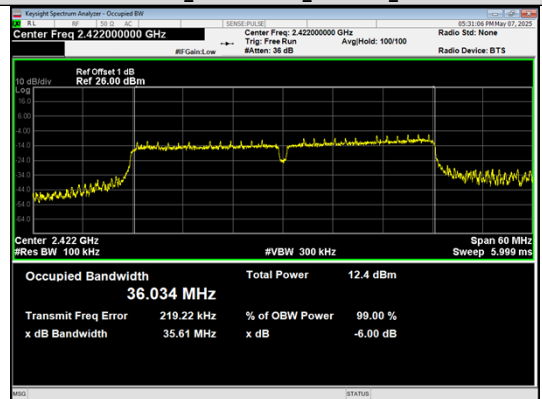
IEEE 802.11n_Channel 1_20MHz_Antenna 0



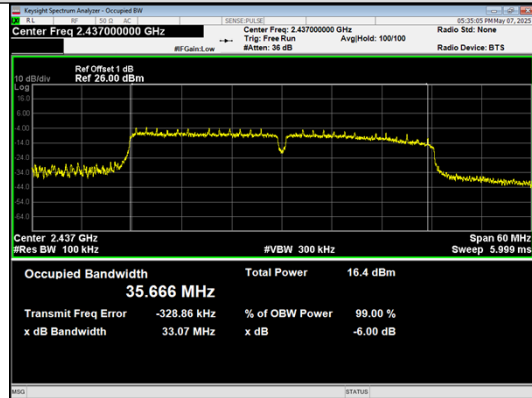
IEEE 802.11n_Channel 6_20MHz_Antenna 0



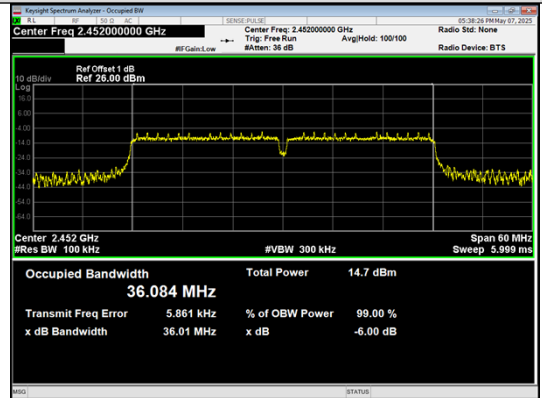
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



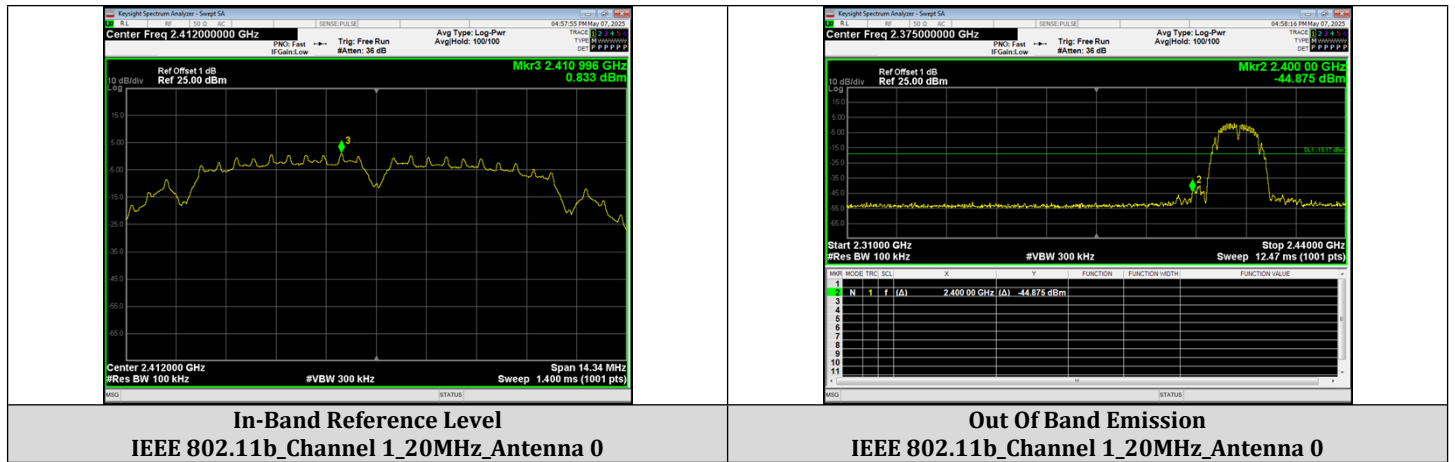
IEEE 802.11n_Channel 9_40MHz_Antenna 0

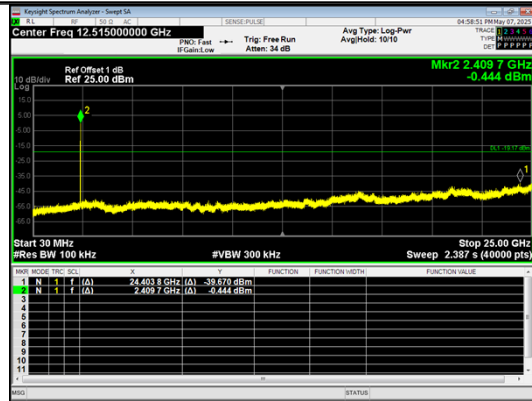
Conducted Out Of Band Emission

Test Result

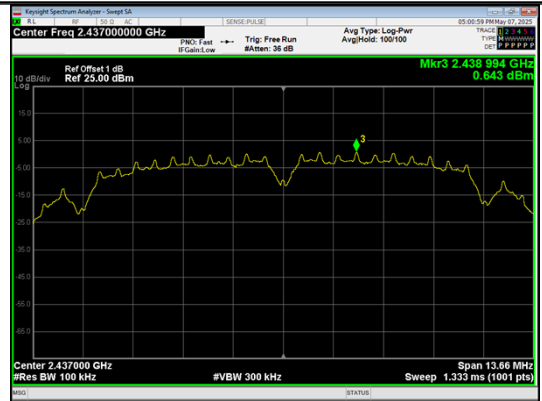
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	2400.00	-44.875	-19.17	-25.705	PASS	
			24403.8	-39.670	-19.17	-20.500	PASS	
	6		24996.3	-40.016	-19.36	-20.656	PASS	
	11		2483.50	-51.507	-16.62	-34.887	PASS	
			24874.5	-39.763	-16.62	-23.143	PASS	
IEEE 802.11g	1		2398.92	-31.179	-20.54	-10.639	PASS	
			2400.00	-35.188	-20.54	-14.648	PASS	
			24945.7	-38.832	-20.54	-18.292	PASS	
	6		24262.1	-39.934	-20.73	-19.204	PASS	
	11		2483.50	-38.129	-20.13	-17.999	PASS	
			24900.7	-39.627	-20.13	-19.497	PASS	
				2400.00	-31.495	-20.23	-11.265	PASS
IEEE 802.11n_20	1		24893.3	-39.975	-20.23	-19.745	PASS	
	6		24906.4	-40.188	-21.07	-19.118	PASS	
	11		2483.50	-45.805	-19.41	-26.395	PASS	
			24890.8	-39.984	-19.41	-20.574	PASS	
			2398.27	-40.181	-26.26	-13.921	PASS	
IEEE 802.11n_40	3		2400.00	-40.668	-26.26	-14.408	PASS	
			24908.9	-40.169	-26.26	-13.909	PASS	
			24904.5	-39.925	-23.86	-16.065	PASS	
	6		2483.50	-36.176	-26.11	-10.066	PASS	
			9	24966.3	-39.953	-26.11	-13.843	PASS

Test Graphs

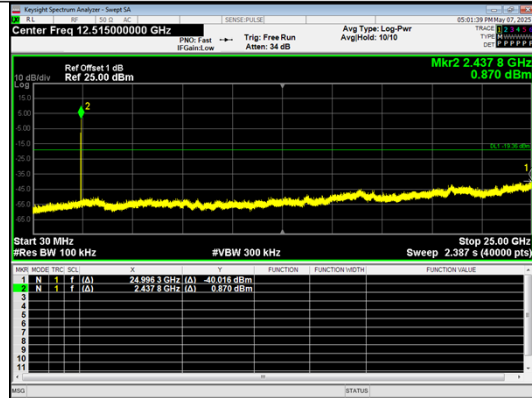




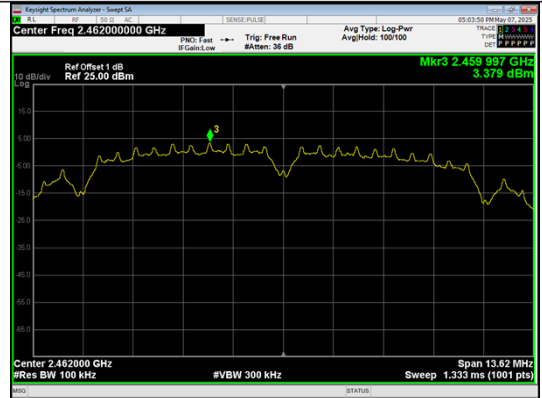
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



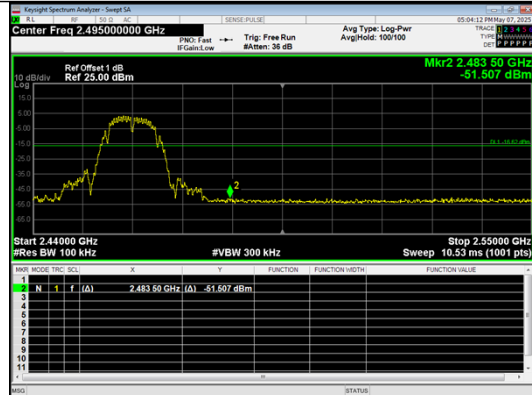
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



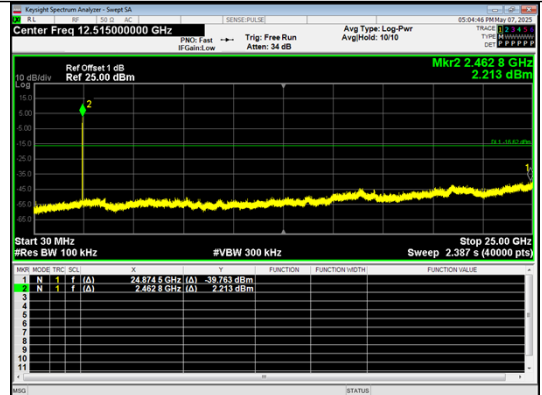
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



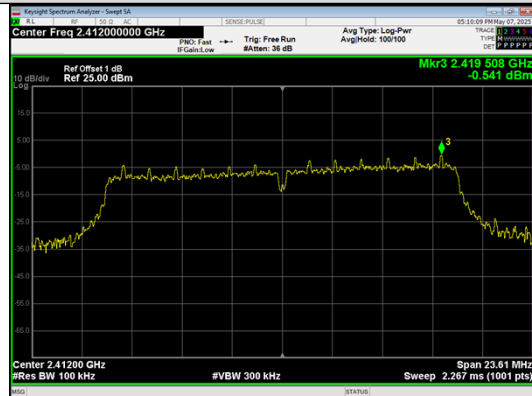
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



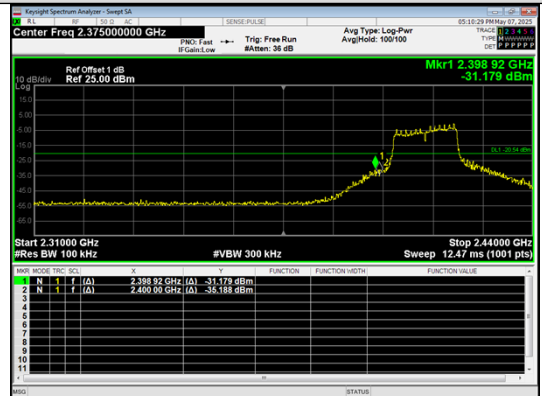
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



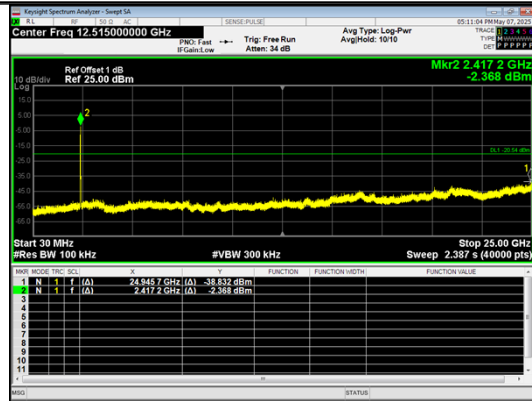
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0

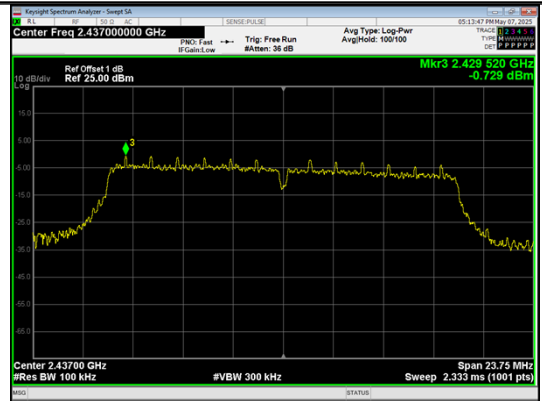


Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



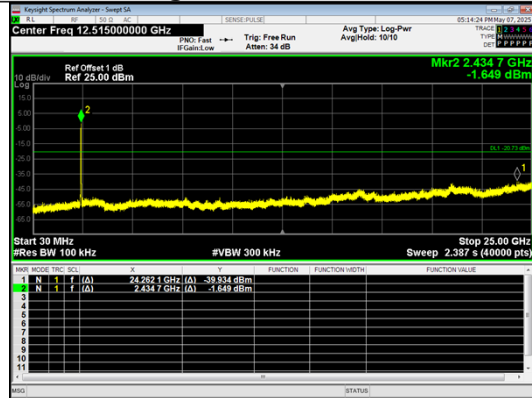
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 1_20MHz_Antenna 0



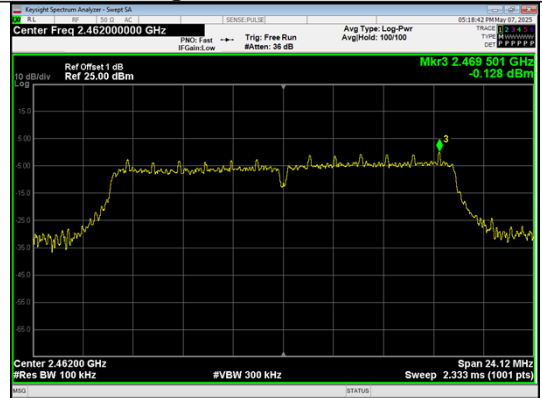
In-Band Reference Level

IEEE 802.11g_Channel 6_20MHz_Antenna 0



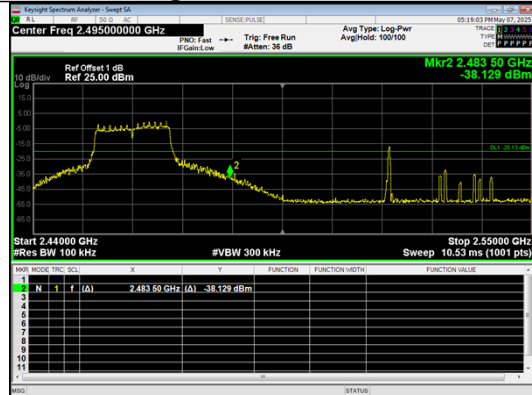
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 6_20MHz_Antenna 0



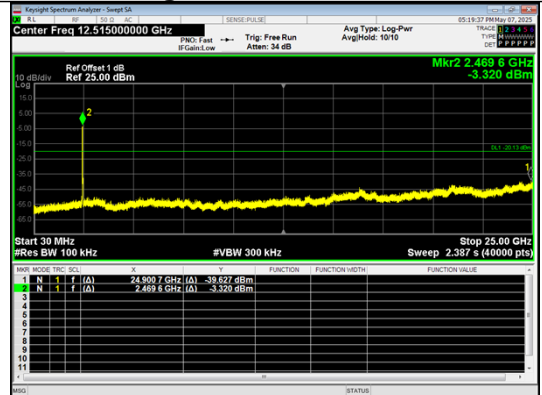
In-Band Reference Level

IEEE 802.11g_Channel 11_20MHz_Antenna 0



Out Of Band Emission

IEEE 802.11g_Channel 11_20MHz_Antenna 0



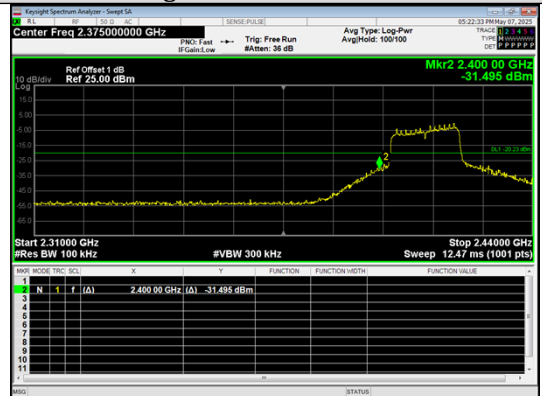
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 11_20MHz_Antenna 0



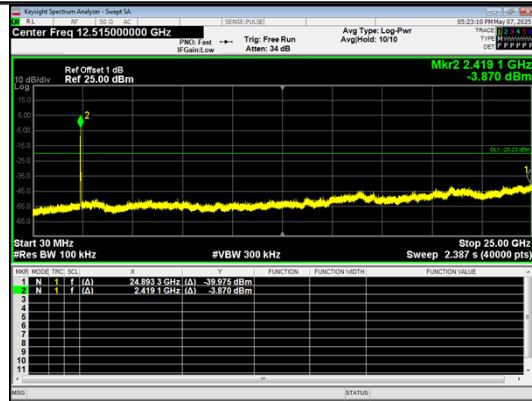
In-Band Reference Level

IEEE 802.11n_Channel 1_20MHz_Antenna 0

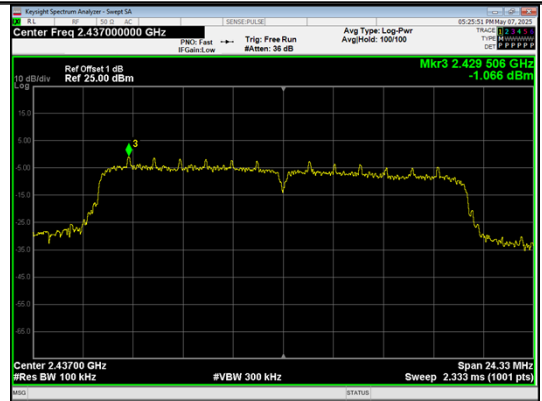


Out Of Band Emission

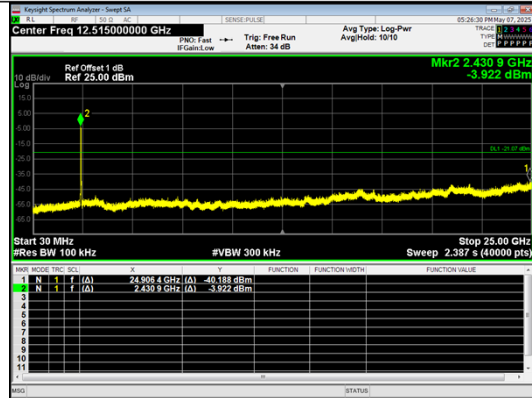
IEEE 802.11n_Channel 1_20MHz_Antenna 0



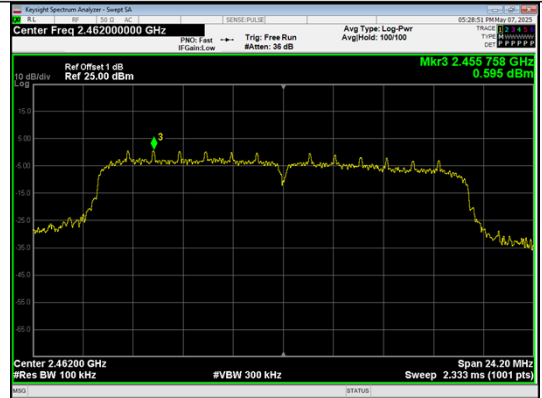
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



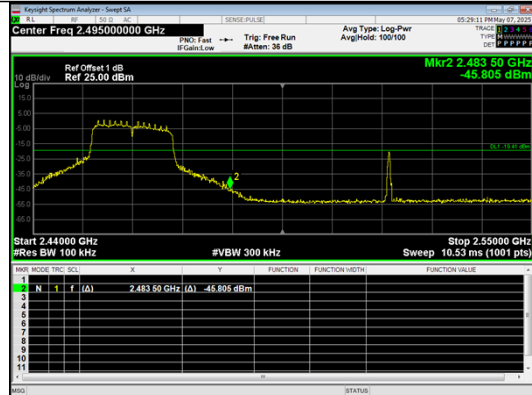
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



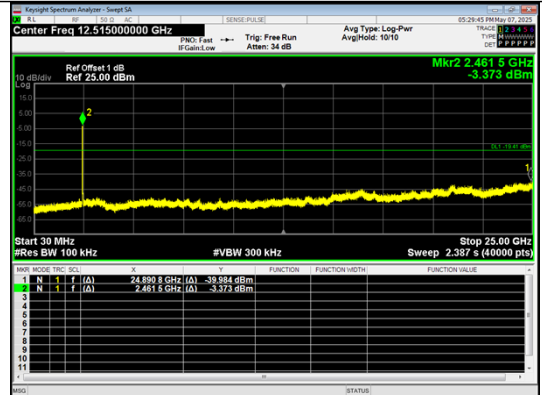
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



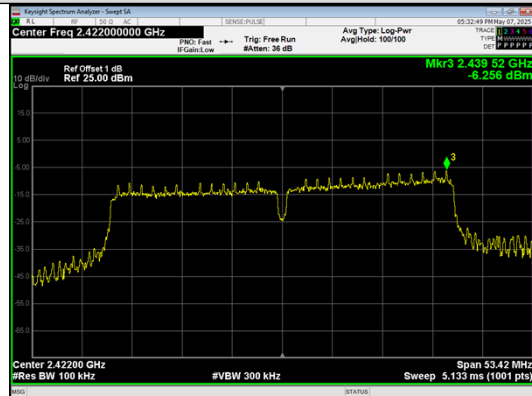
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



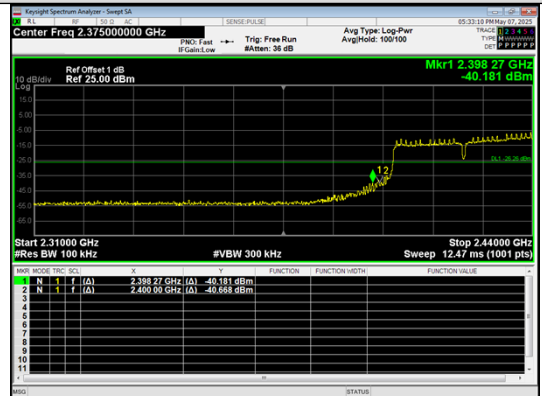
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



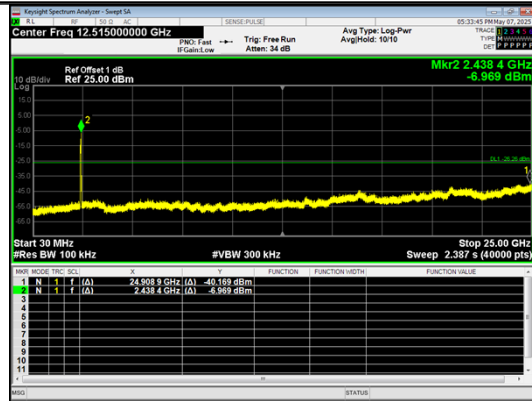
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



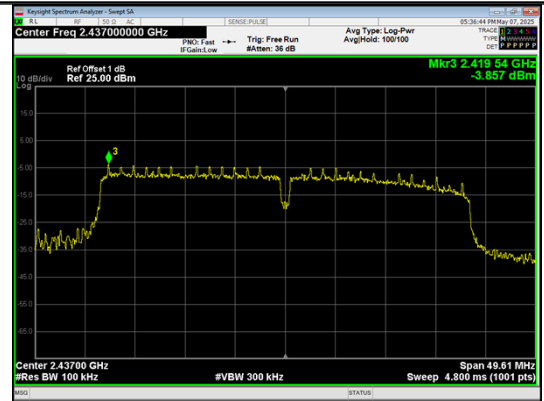
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



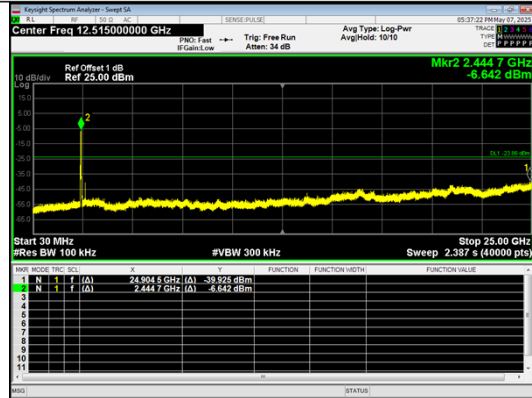
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



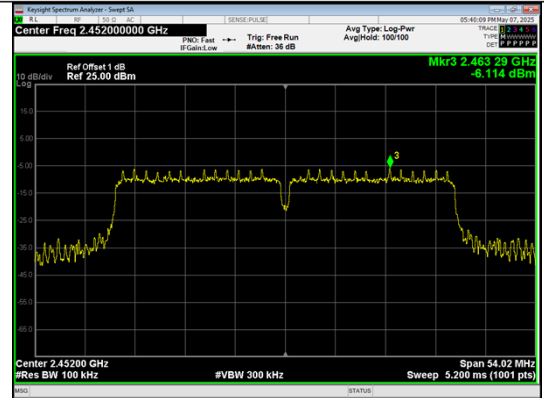
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



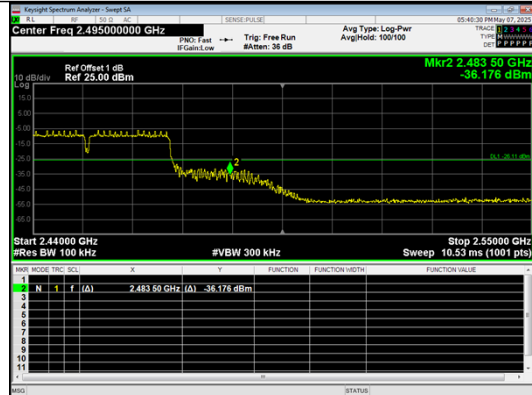
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



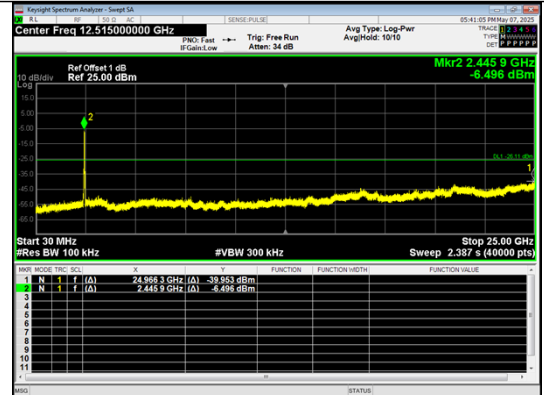
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 9_40MHz_Antenna 0

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