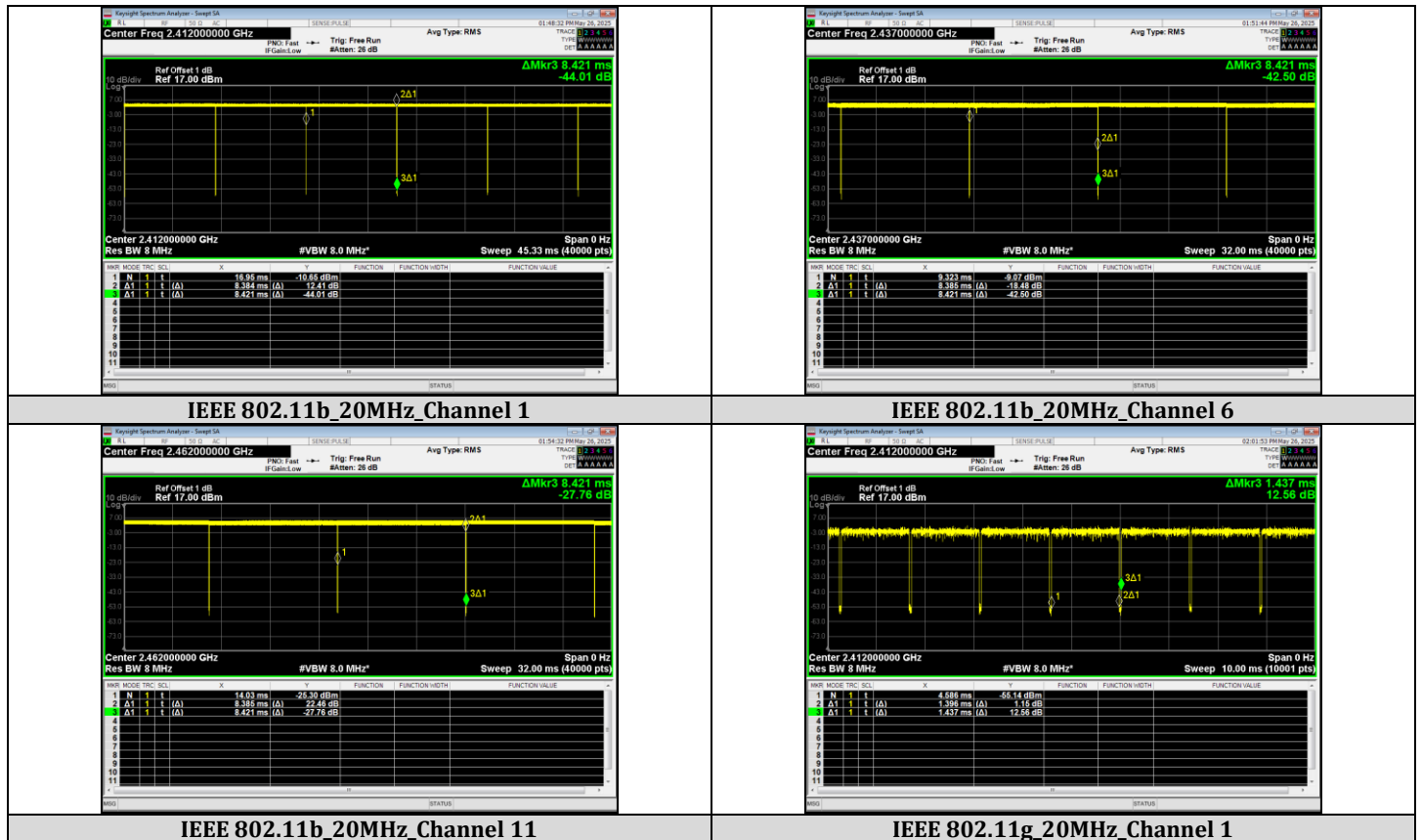


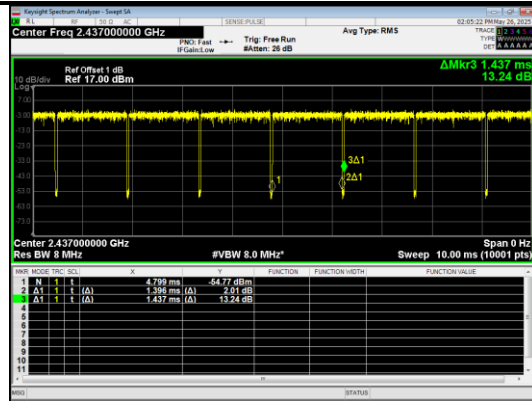
Duty Cycle

Test Result

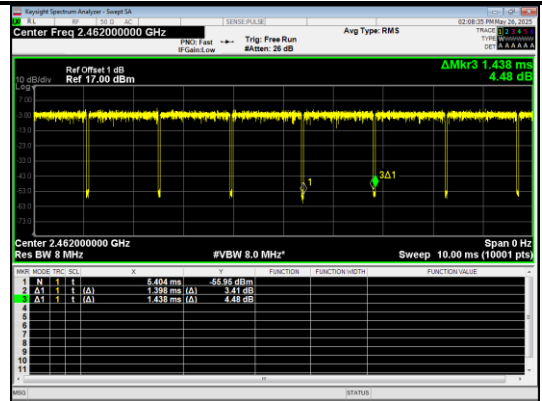
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.384	8.421	99.57	0.9957	0.0187	0.1193
		6		8.385	8.421	99.57	0.9957	0.0187	0.1193
		11		8.385	8.421	99.57	0.9957	0.0187	0.1193
IEEE 802.11g		1		1.396	1.437	97.15	0.9715	0.1256	0.7163
		6		1.396	1.437	97.15	0.9715	0.1256	0.7163
		11		1.398	1.438	97.22	0.9722	0.1224	0.7153
IEEE 802.11n_20	MCS 0	1		1.304	1.345	96.95	0.9695	0.1345	0.7669
		6		1.304	1.345	96.95	0.9695	0.1345	0.7669
		11		1.305	1.345	97.00	0.9700	0.1323	0.7663
IEEE 802.11n_40		3		0.650	0.692	93.84	0.9384	0.2761	1.5385
		6		0.650	0.693	93.84	0.9384	0.2761	1.5385
		9		0.650	0.693	93.84	0.9384	0.2761	1.5385

Test Graphs

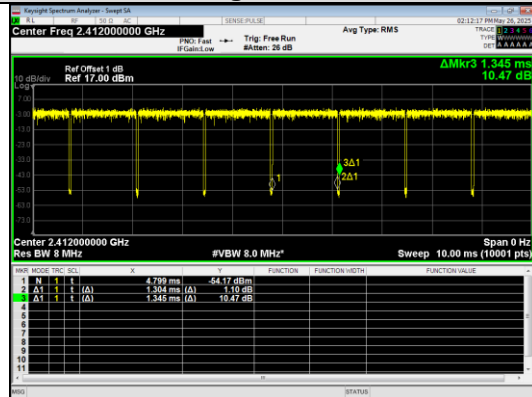




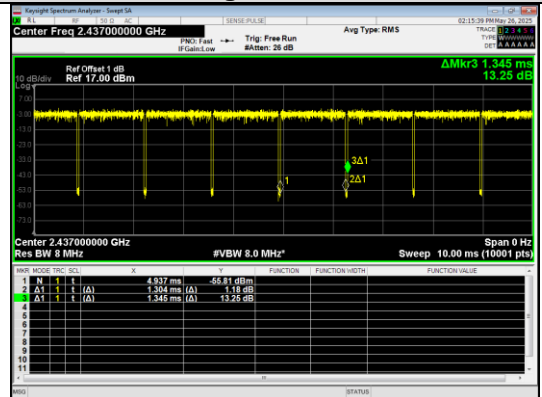
IEEE 802.11g 20MHz Channel 6



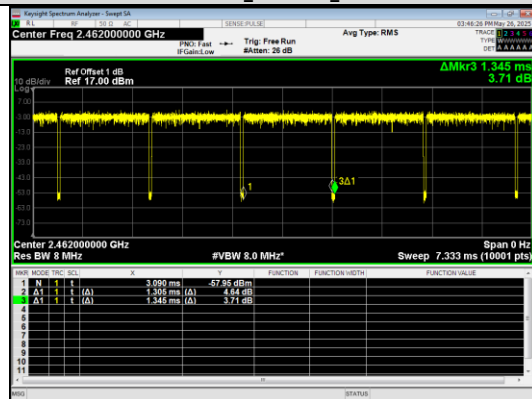
IEEE 802.11g 20MHz Channel 11



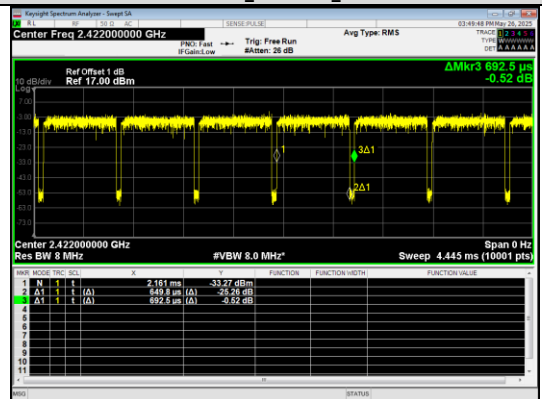
IEEE 802.11g 20MHz Channel 11



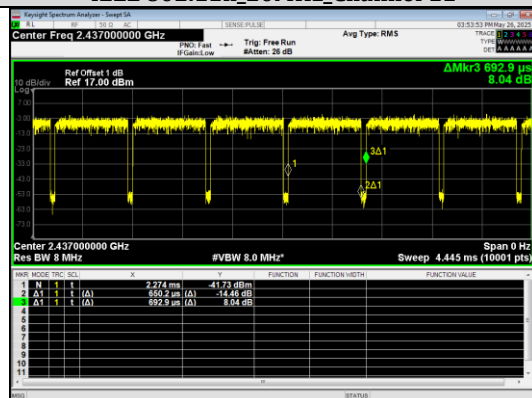
IEEE 802.11g 20MHz Channel 11



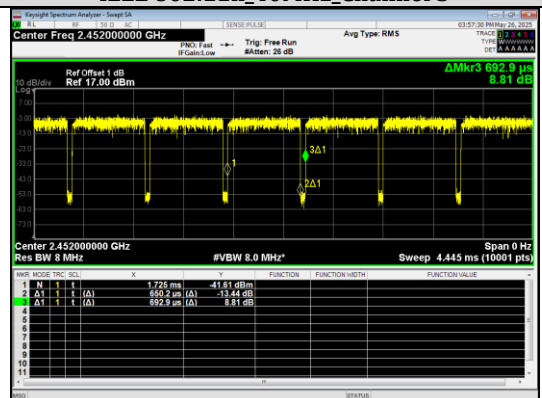
IEEE 802.11n 20MHz Channel 1



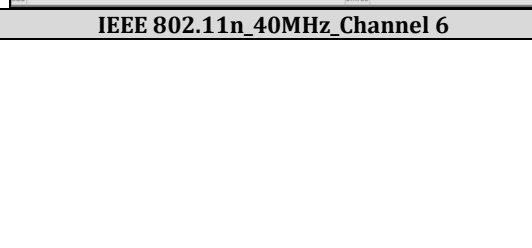
IEEE 802.11n 20MHz Channel 6



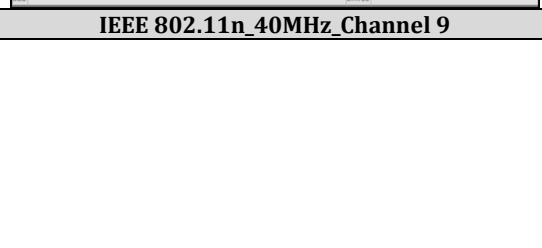
IEEE 802.11n 20MHz Channel 11



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	6.75	≤30	PASS
	6	6.85	≤30	PASS
	11	7.00	≤30	PASS
IEEE 802.11g	1	7.71	≤30	PASS
	6	7.10	≤30	PASS
	11	7.25	≤30	PASS
IEEE 802.11n_20	1	7.45	≤30	PASS
	6	6.93	≤30	PASS
	11	6.56	≤30	PASS
IEEE 802.11n_40	3	7.47	≤30	PASS
	6	7.23	≤30	PASS
	9	7.23	≤30	PASS

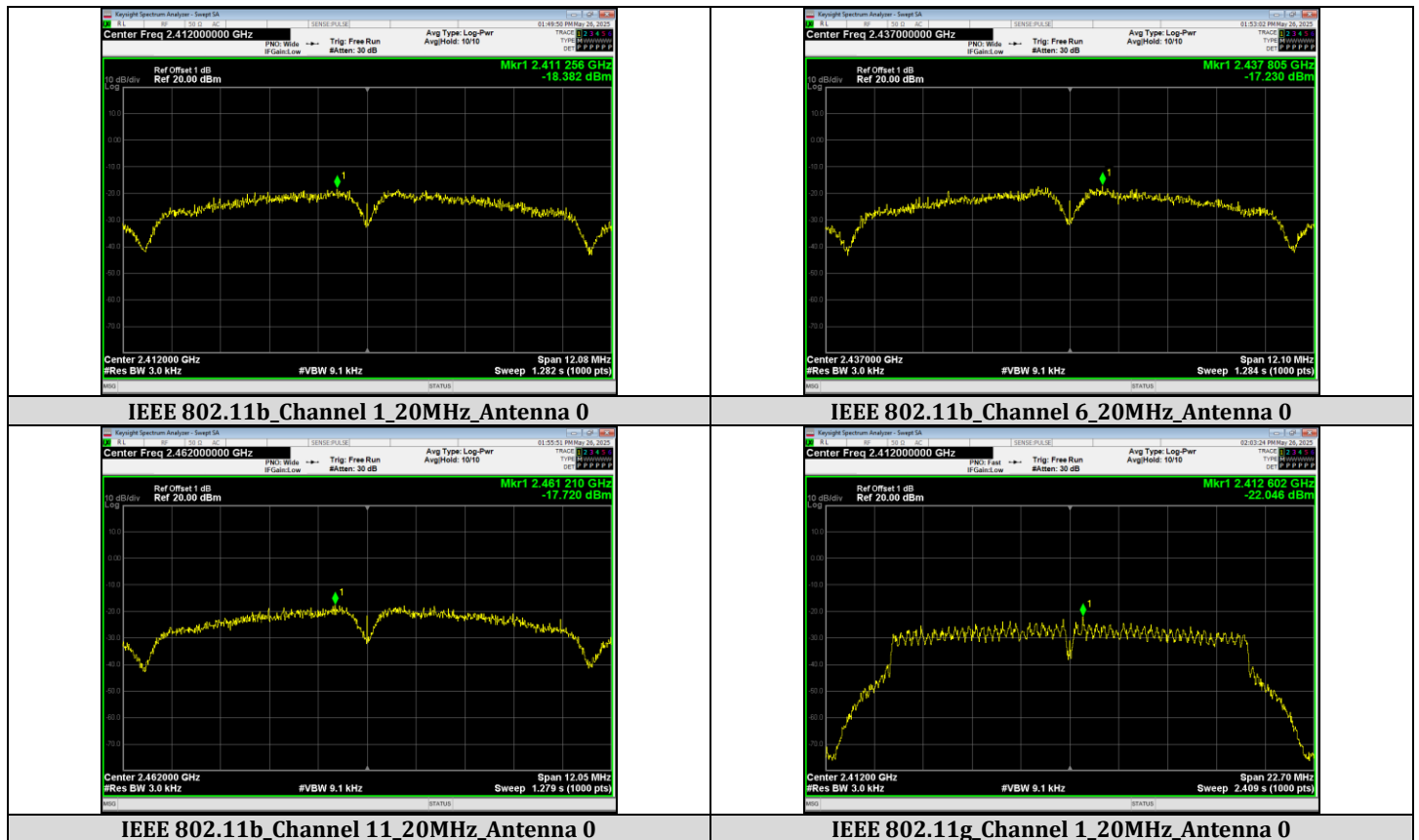


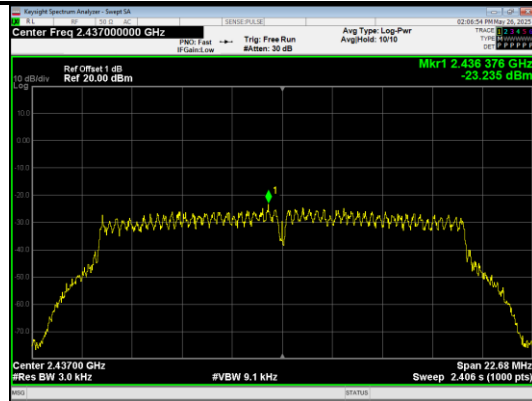
Power Spectral Density

Test Result

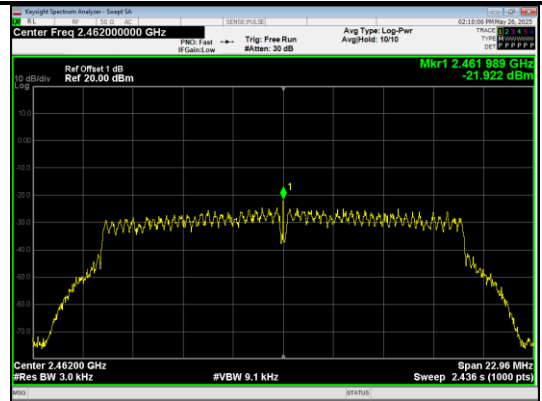
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-18.382	≤8	PASS
	6	-17.230		PASS
	11	-17.720		PASS
IEEE 802.11g	1	-22.046		PASS
	6	-23.235		PASS
	11	-21.922		PASS
IEEE 802.11n_20	1	-23.865		PASS
	6	-23.612		PASS
	11	-22.513		PASS
IEEE 802.11n_40	3	-27.219		PASS
	6	-26.933		PASS
	9	-23.767		PASS

Test Graphs

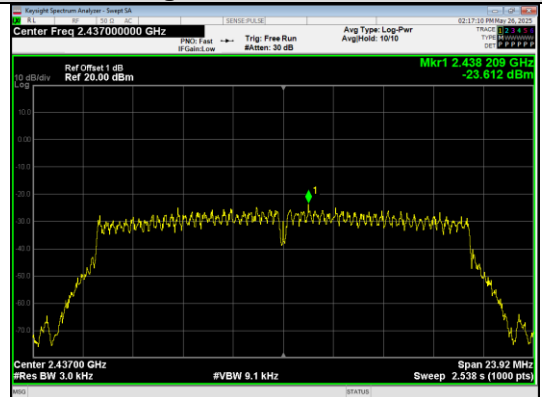
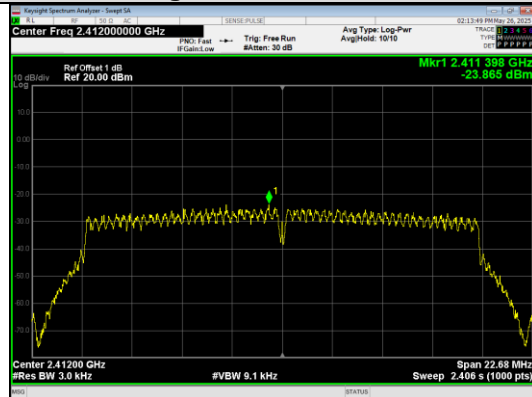




IEEE 802.11g_Channel 6_20MHz_Antenna 0

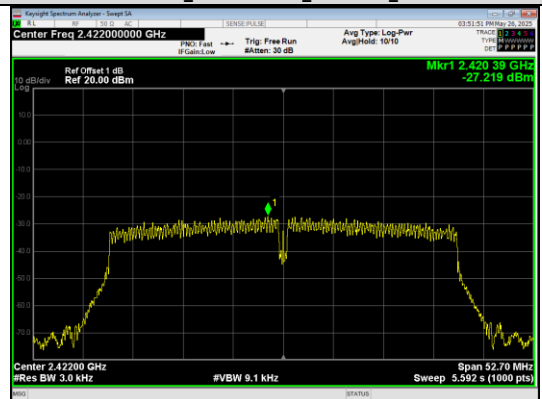
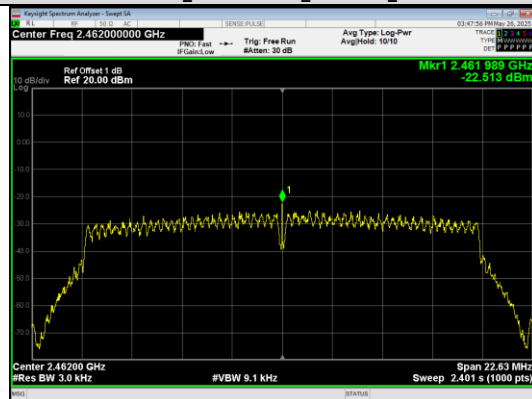


IEEE 802.11g_Channel 11_20MHz_Antenna 0



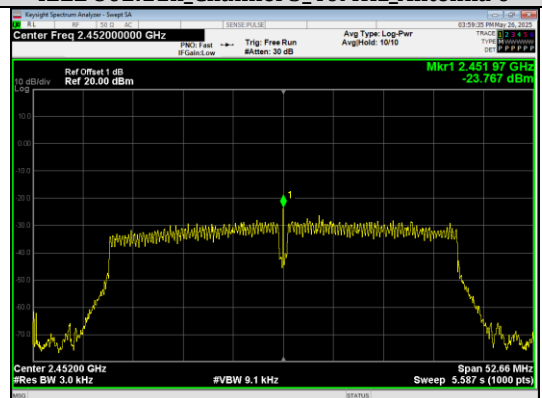
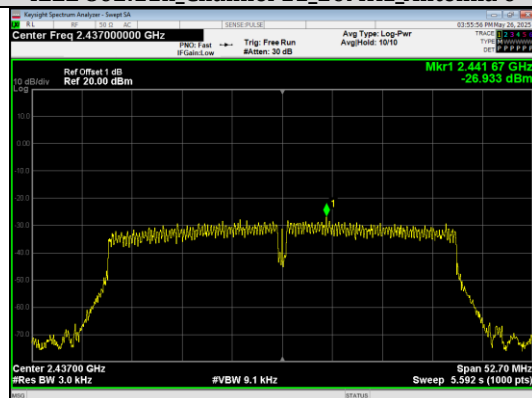
IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0

IEEE 802.11n_Channel 3_40MHz_Antenna 0

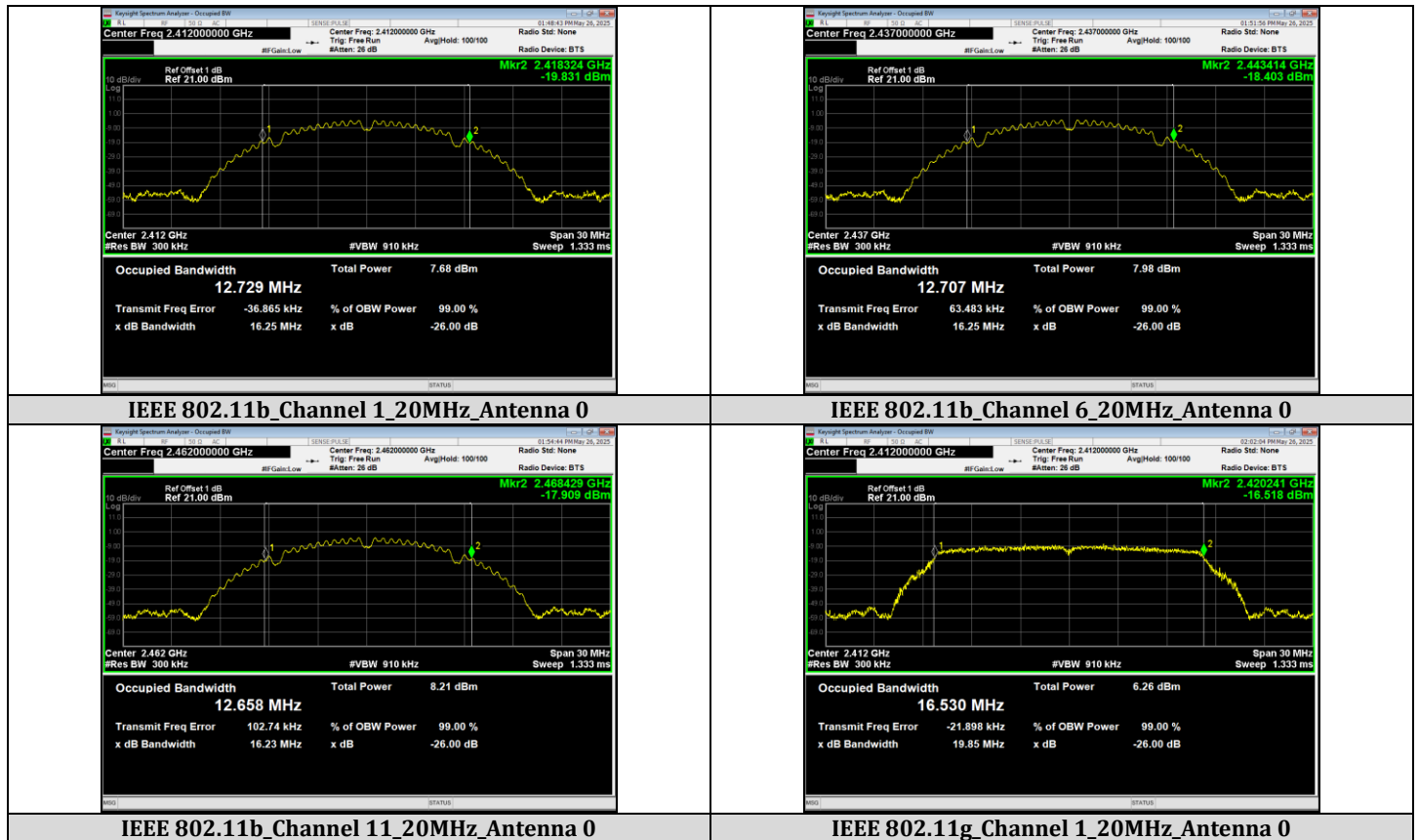


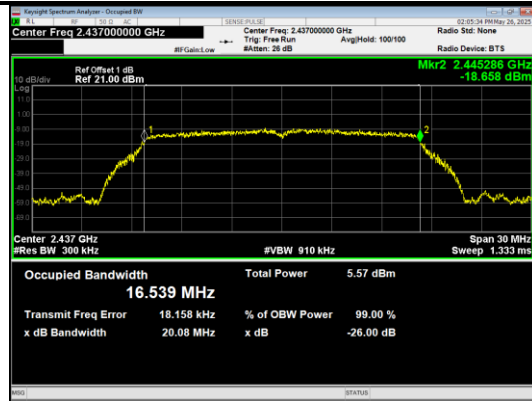
IEEE 802.11n_Channel 6_40MHz_Antenna 0

IEEE 802.11n_Channel 9_40MHz_Antenna 0

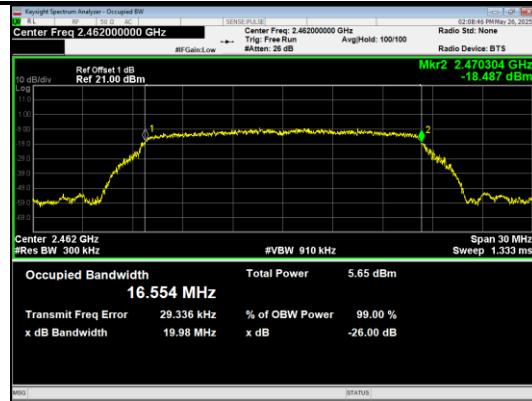
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.729
	6		2437	12.707
	11		2462	12.658
IEEE 802.11g	1		2412	16.530
	6		2437	16.539
	11		2462	16.554
IEEE 802.11n_20	1		2412	17.639
	6		2437	17.625
	11		2462	17.607
IEEE 802.11n_40	3		2422	36.035
	6		2437	36.062
	9		2452	36.005

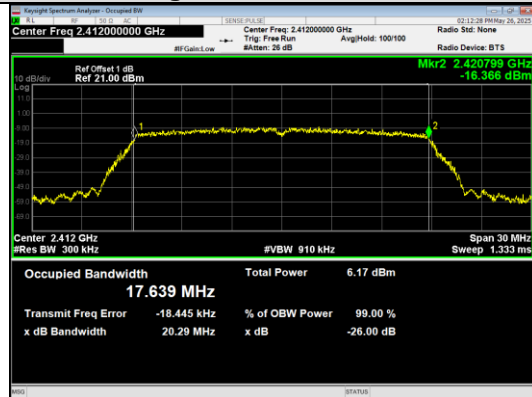
Test Graphs



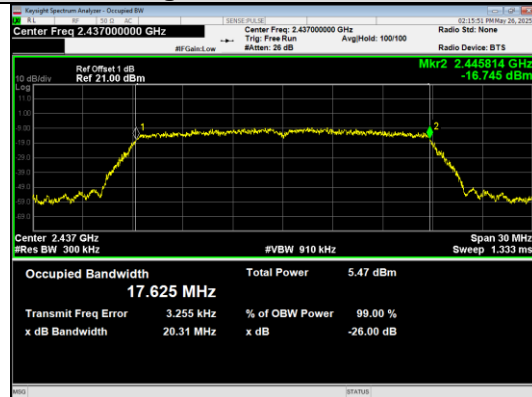
IEEE 802.11g_Channel 6_20MHz_Antenna 0



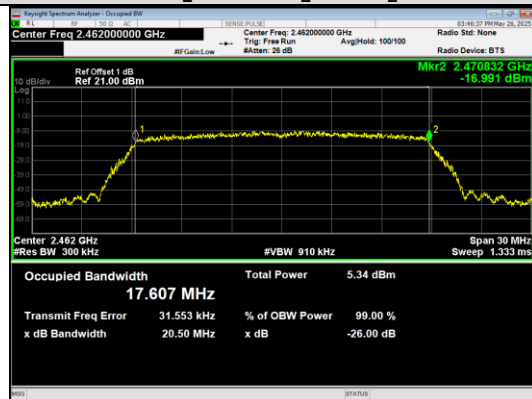
IEEE 802.11g_Channel 11_20MHz_Antenna 0



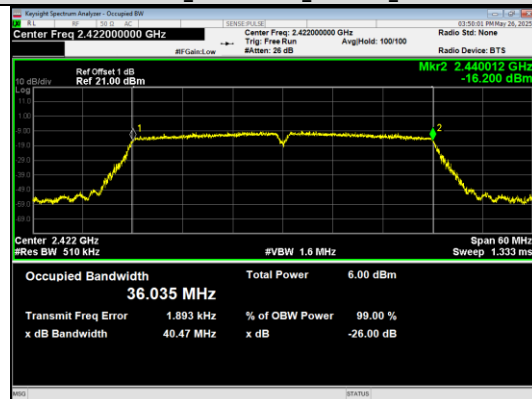
IEEE 802.11n_Channel 1_20MHz_Antenna 0



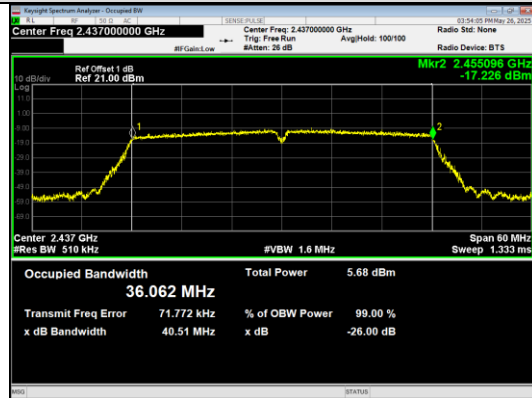
IEEE 802.11n_Channel 6_20MHz_Antenna 0



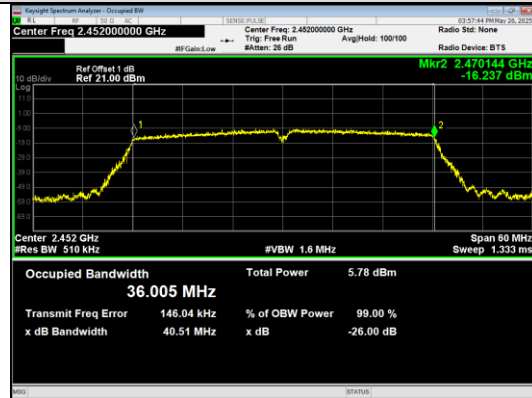
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



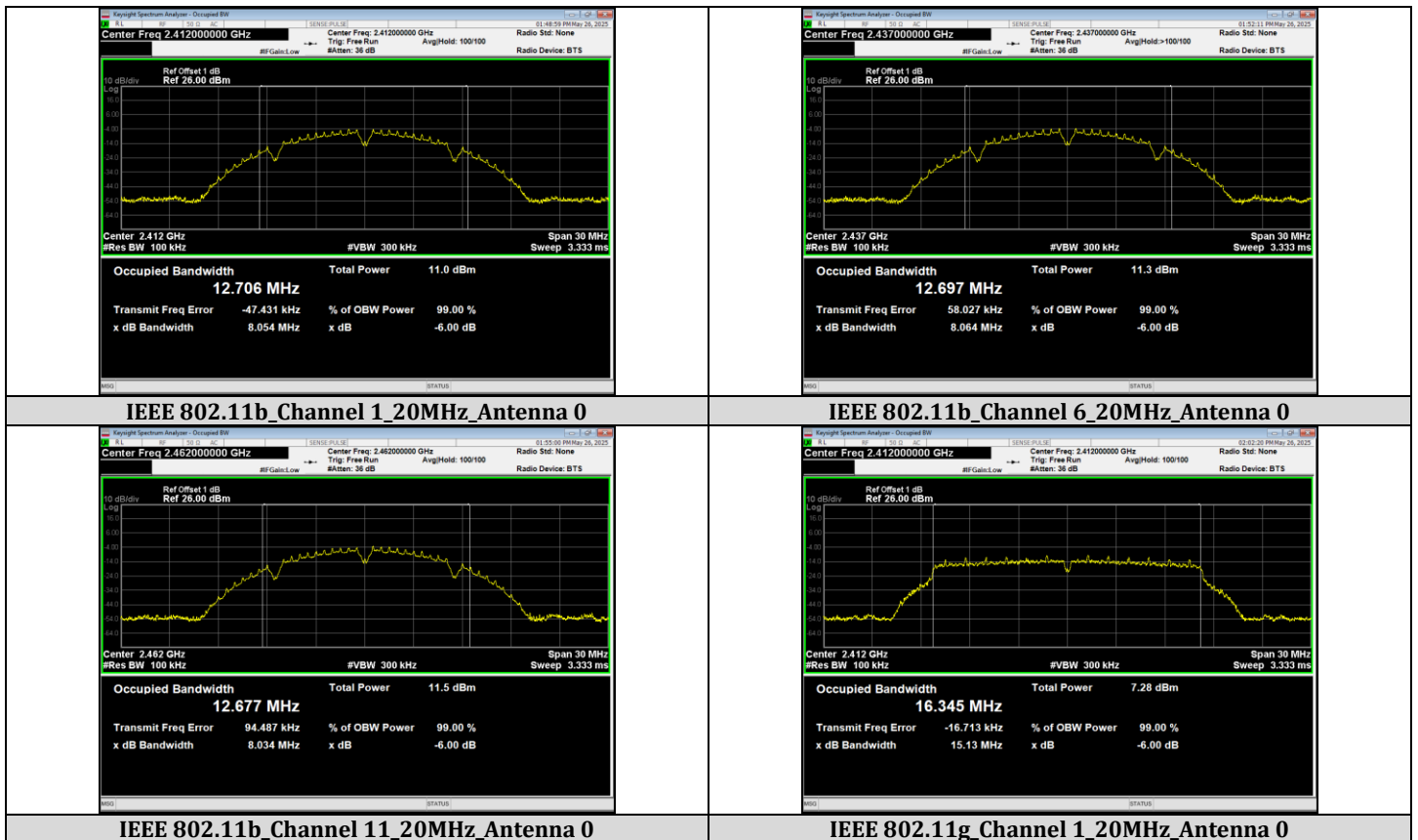
IEEE 802.11n_Channel 6_40MHz_Antenna 0

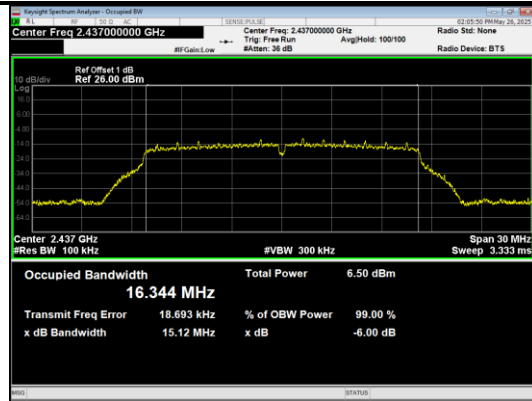


IEEE 802.11n_Channel 9_40MHz_Antenna 0

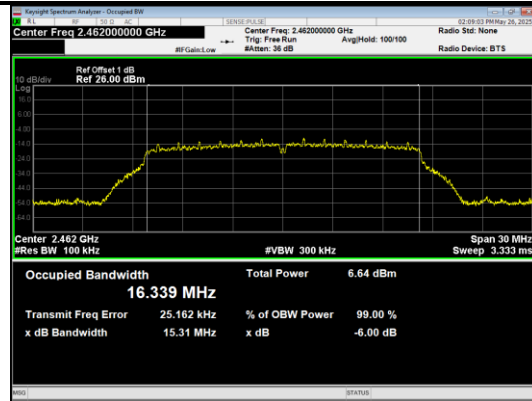
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.054	≥0.5	PASS
	6		2437	8.064		PASS
	11		2462	8.034		PASS
IEEE 802.11g	1		2412	15.13		PASS
	6		2437	15.12		PASS
	11		2462	15.31		PASS
IEEE 802.11n_20	1		2412	15.12		PASS
	6		2437	15.95		PASS
	11		2462	15.09		PASS
IEEE 802.11n_40	3		2422	35.13		PASS
	6		2437	35.13		PASS
	9		2452	35.11		PASS

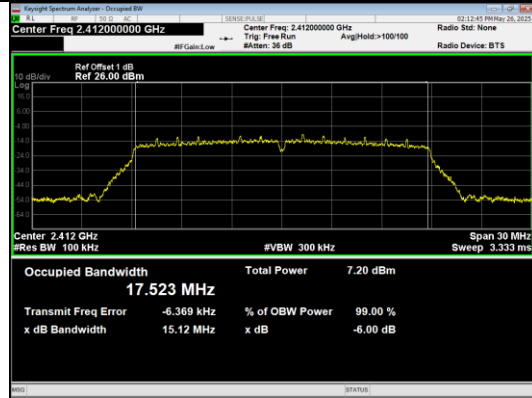
Test Graphs



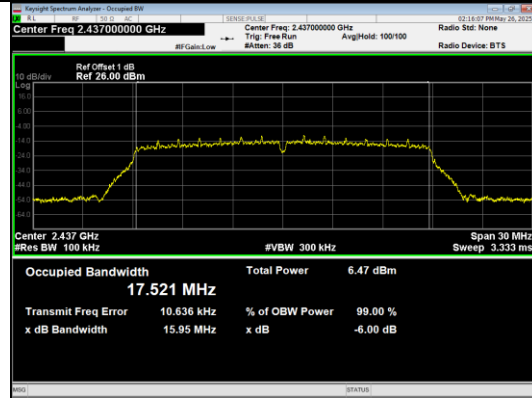
IEEE 802.11g_Channel 6_20MHz_Antenna 0



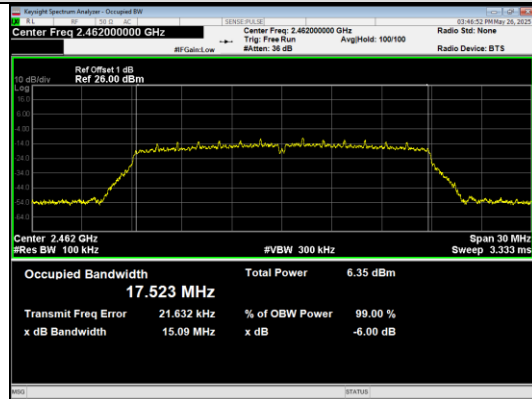
IEEE 802.11g_Channel 11_20MHz_Antenna 0



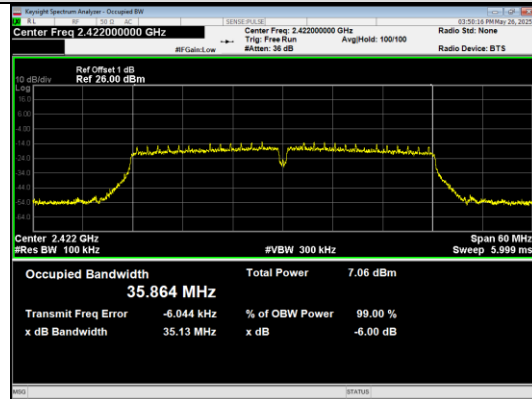
IEEE 802.11n_Channel 1_20MHz_Antenna 0



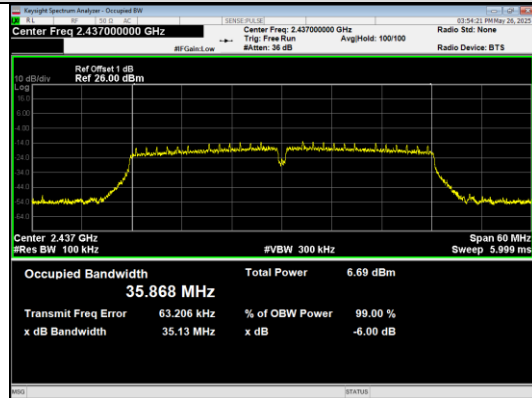
IEEE 802.11n_Channel 6_20MHz_Antenna 0



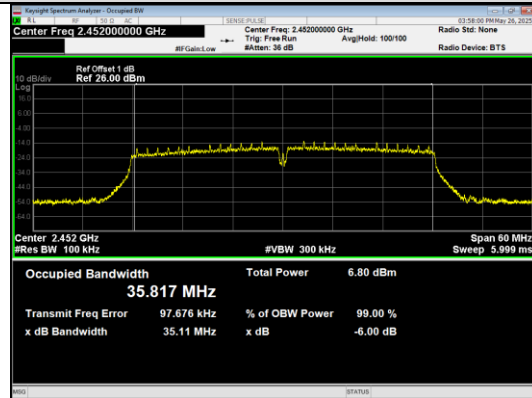
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



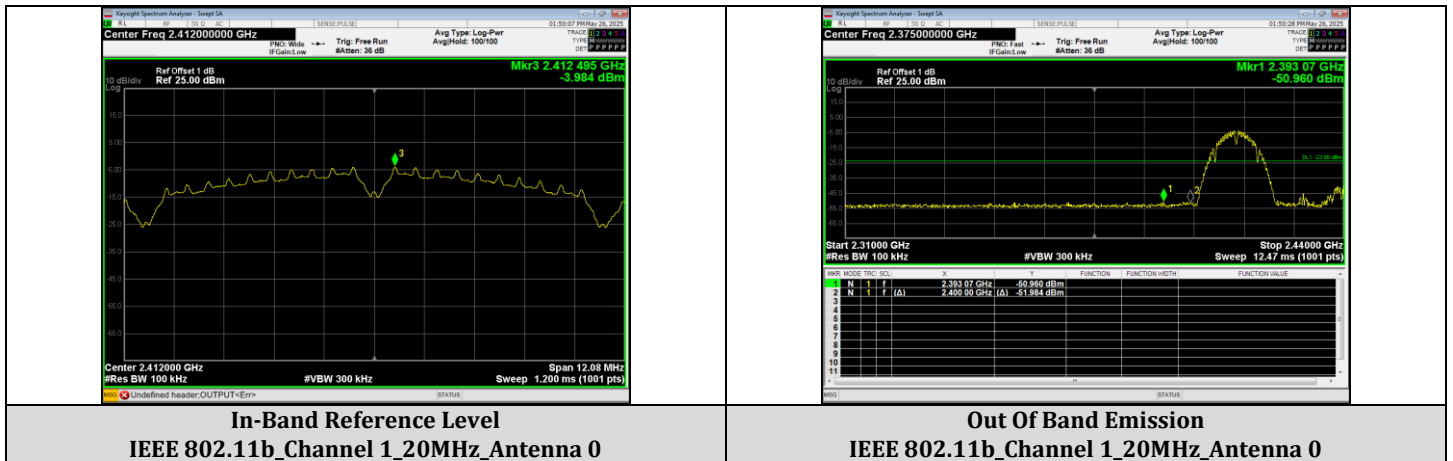
IEEE 802.11n_Channel 9_40MHz_Antenna 0

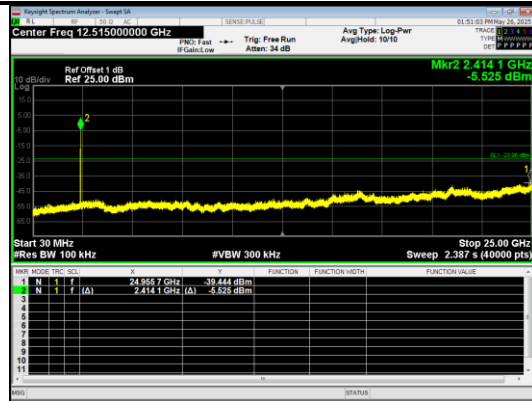
Conducted Out Of Band Emission

Test Result

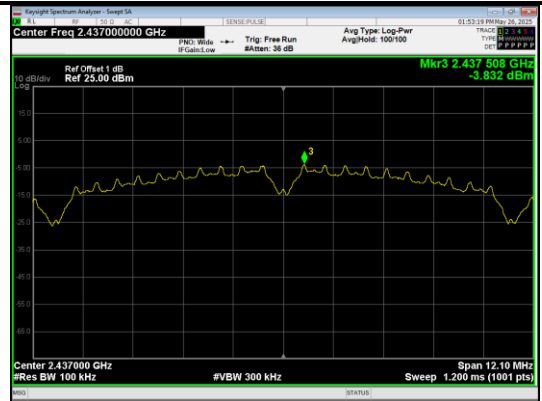
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2393.07	-50.960	-23.98	-26.980	PASS
			2400.00	-51.984	-23.98	-28.004	PASS
	24955.7		-39.444	-23.98	-15.464	PASS	
	6		24930.7	-39.659	-23.83	-15.829	PASS
	11		2483.50	-52.625	-23.41	-29.215	PASS
			24706.6	-40.199	-23.41	-16.789	PASS
IEEE 802.11g	1		2392.29	-51.047	-29.27	-21.777	PASS
			2400.00	-51.623	-29.27	-22.353	PASS
	24915.7		-39.696	-29.27	-10.426	PASS	
	6		24242.1	-40.320	-30.09	-10.230	PASS
	11		2483.50	-52.815	-29.8	-23.015	PASS
			2618.21	-38.100	-29.8	-8.300	PASS
IEEE 802.11n_20	1		2396.97	-51.094	-29.31	-21.784	PASS
			2400.00	-51.677	-29.31	-22.367	PASS
	24983.8		-39.508	-29.31	-10.198	PASS	
	6		24939.4	-39.800	-30.27	-9.530	PASS
	11		2483.50	-52.312	-30.02	-22.292	PASS
			24932.6	-39.965	-30.02	-9.945	PASS
IEEE 802.11n_40	3		2398.92	-50.884	-32.77	-18.114	PASS
			2400.00	-52.302	-32.77	-19.532	PASS
	24957.5		-39.644	-32.77	-6.874	PASS	
	6		24985.0	-40.282	-33.11	-7.172	PASS
	9		2483.50	-53.126	-32.8	-20.326	PASS
			24908.2	-39.798	-32.8	-6.998	PASS

Test Graphs

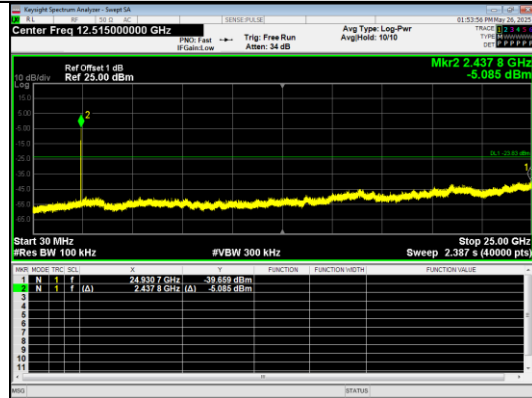




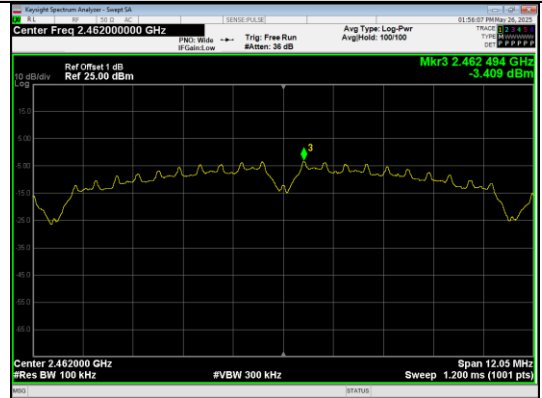
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



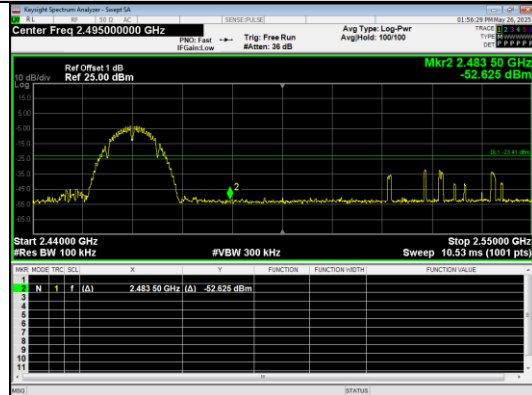
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



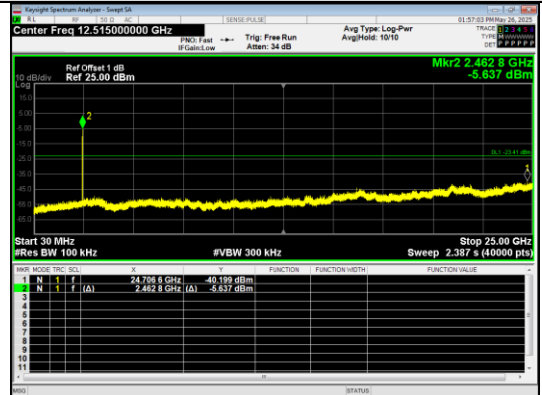
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



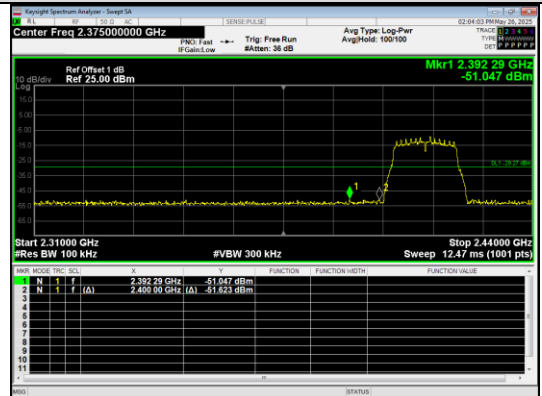
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



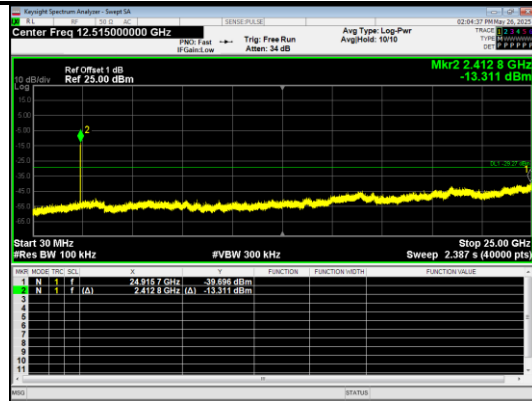
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



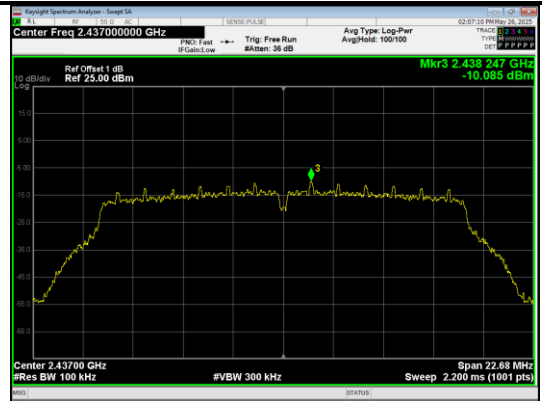
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



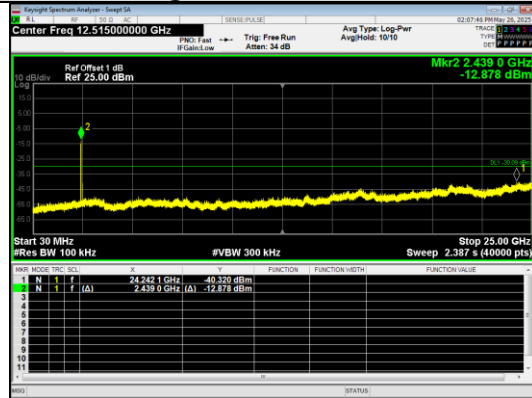
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



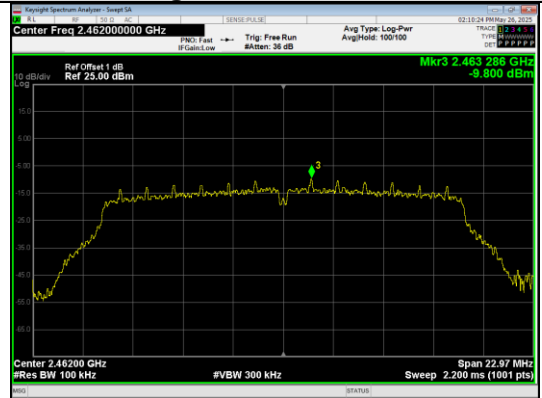
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



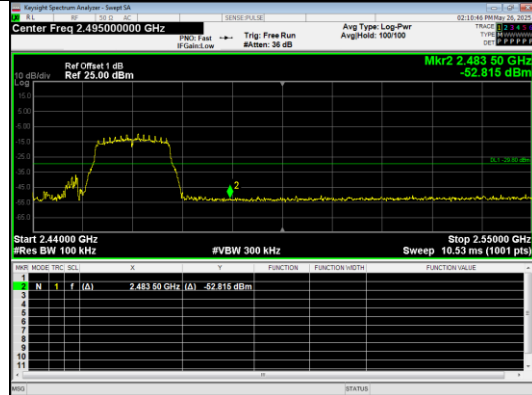
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



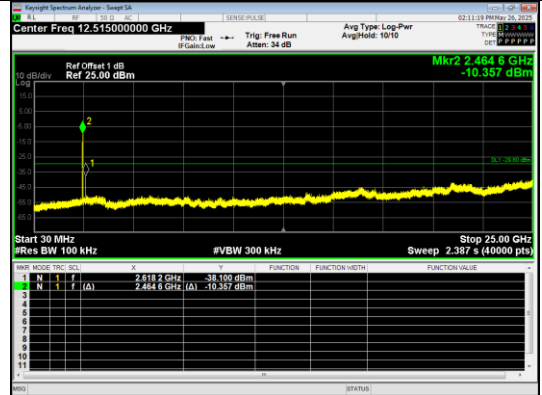
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



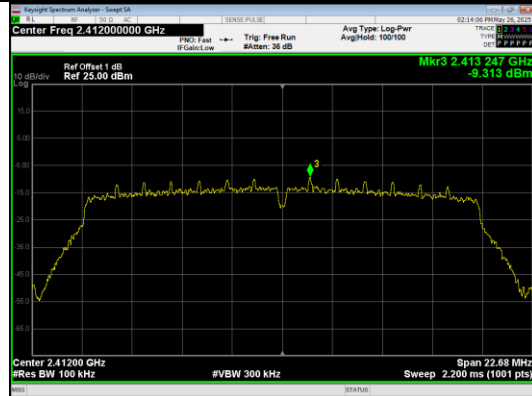
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



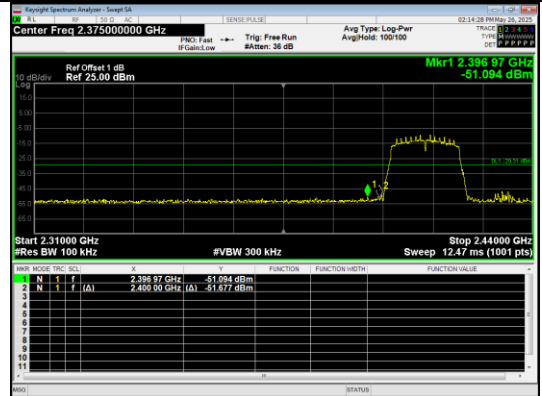
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



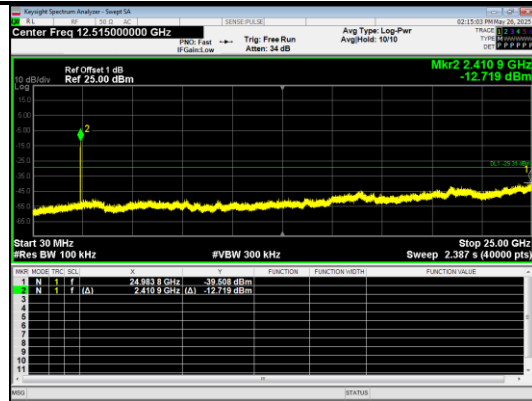
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



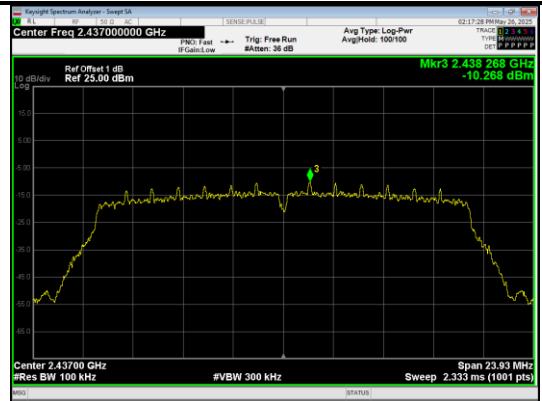
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



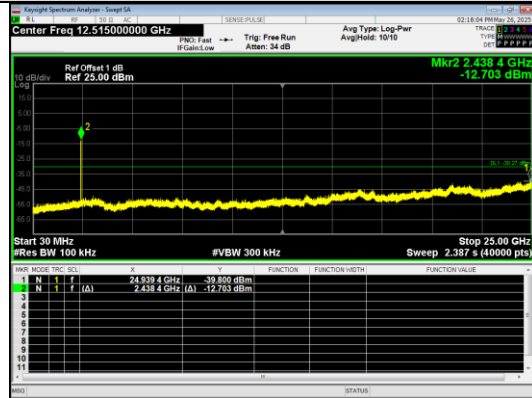
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



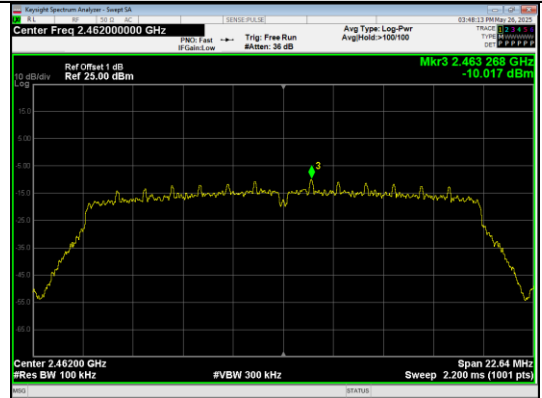
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



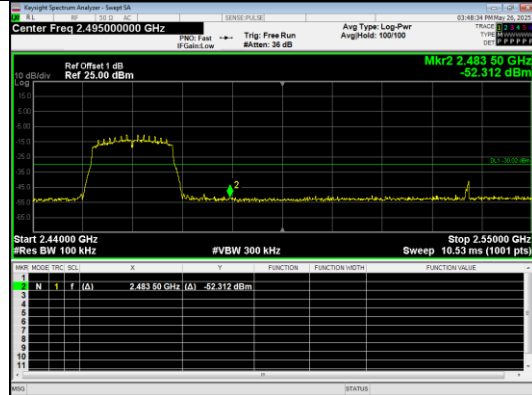
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



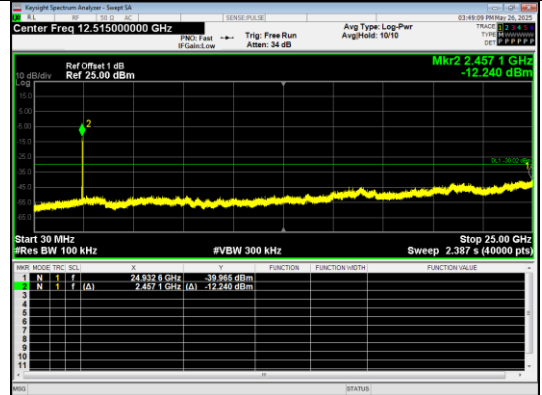
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



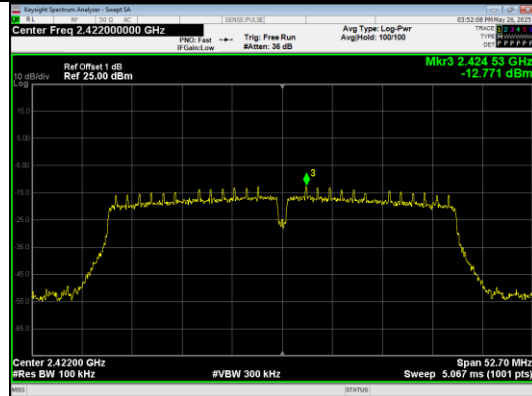
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



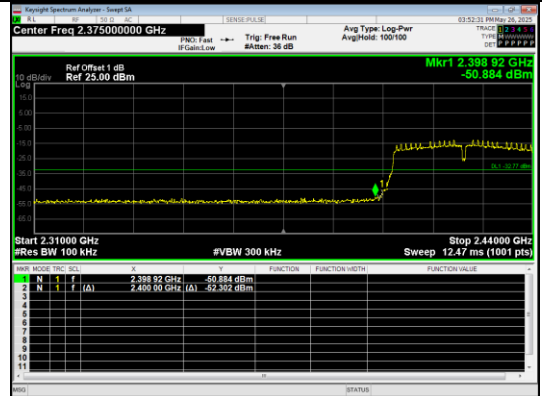
Out Of Band Emission
IEEE 802.11n_Channel 6_20MHz_Antenna 0



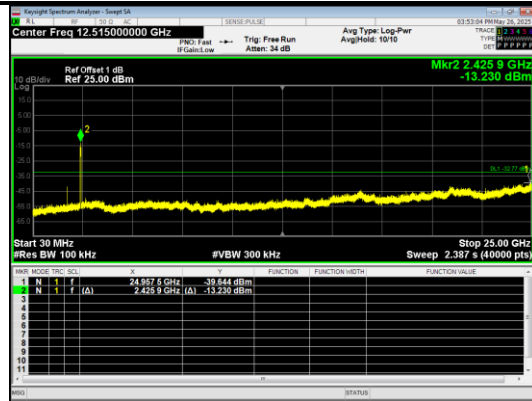
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



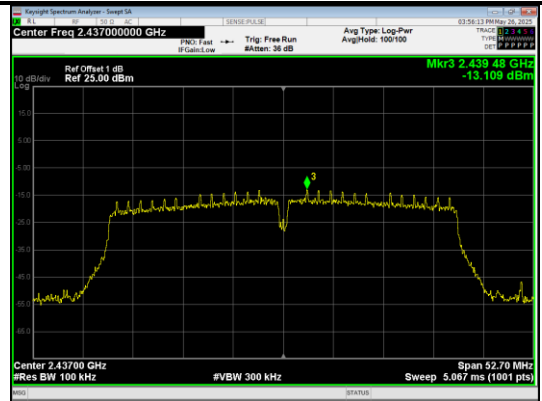
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



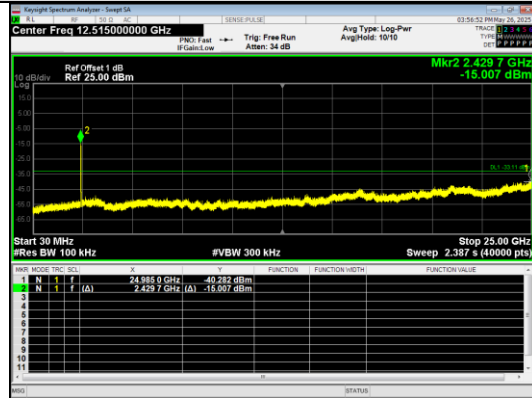
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



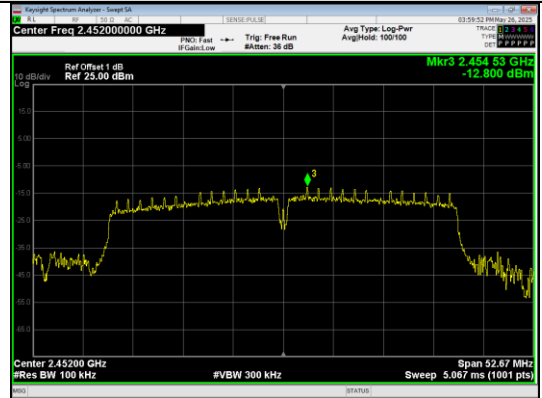
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



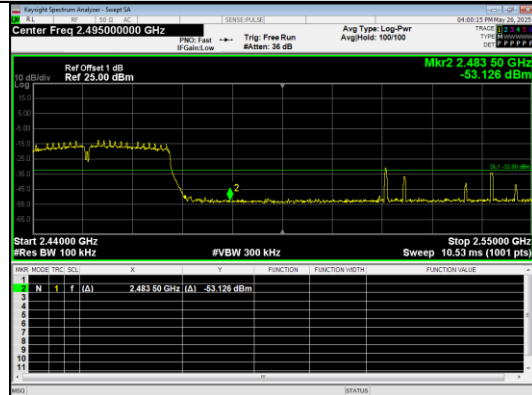
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



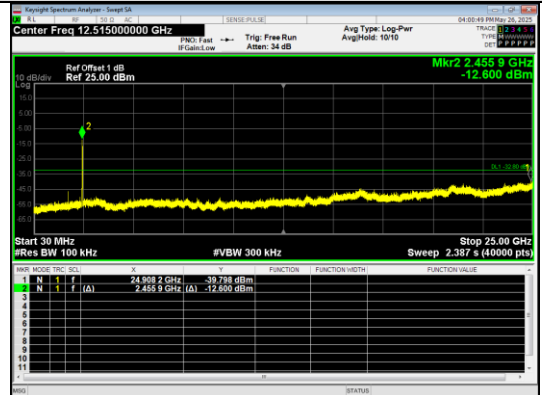
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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 *****