

Conducted Output Power

Test Result

Conducted Output Power

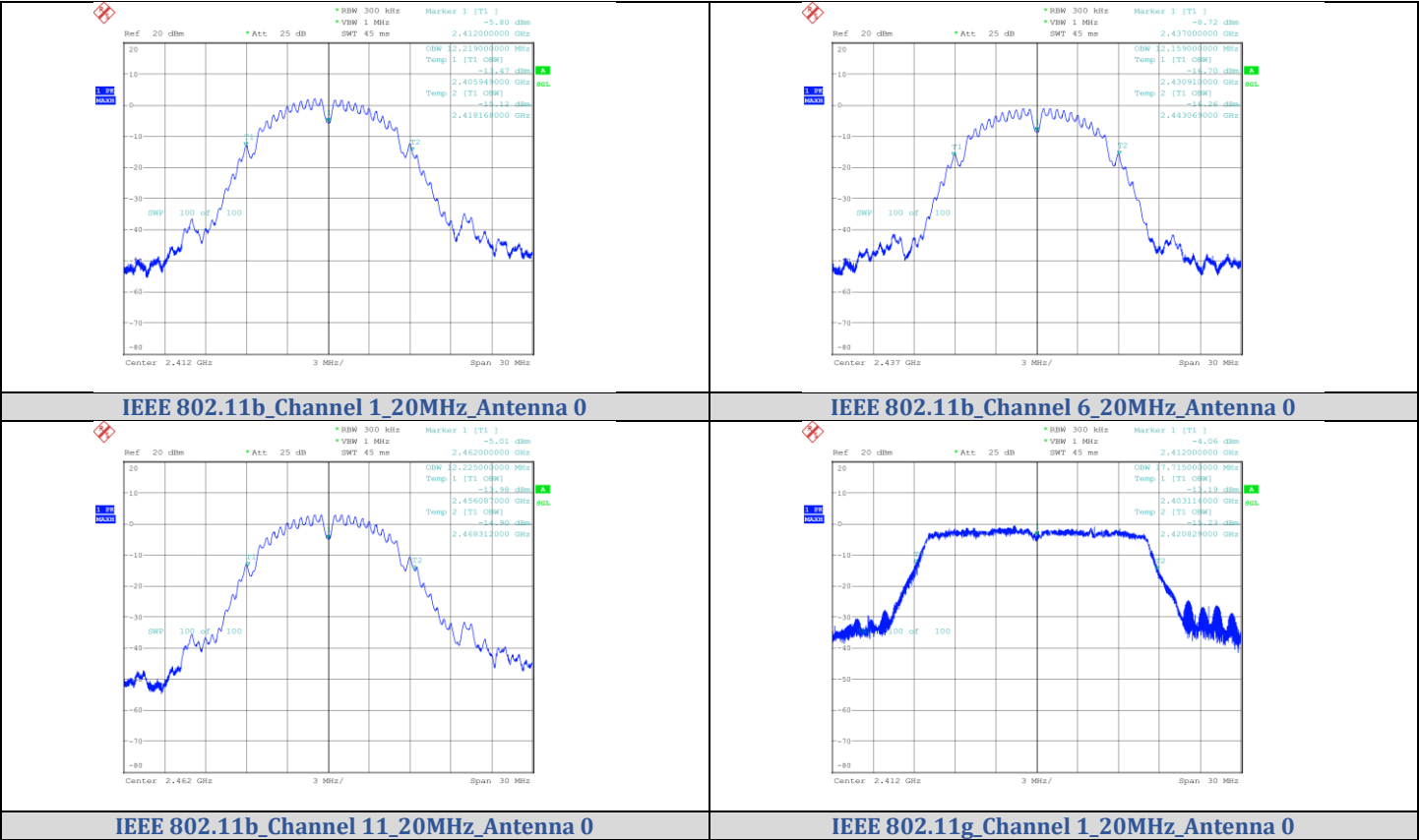
Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	12.01	N/A	≤ 30	PASS
	6	9.07	N/A	≤ 30	PASS
	11	13.30	N/A	≤ 30	PASS
IEEE 802.11g	1	15.23	N/A	≤ 30	PASS
	6	15.95	N/A	≤ 30	PASS
	11	19.59	N/A	≤ 30	PASS
IEEE 802.11n_20	1	16.47	N/A	≤ 30	PASS
	6	15.84	N/A	≤ 30	PASS
	11	19.01	N/A	≤ 30	PASS
IEEE 802.11n_40	3	16.55	N/A	≤ 30	PASS
	6	16.17	N/A	≤ 30	PASS
	9	16.67	N/A	≤ 30	PASS

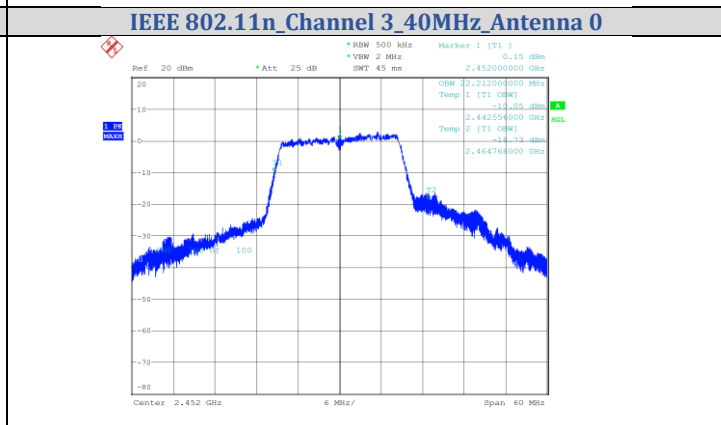
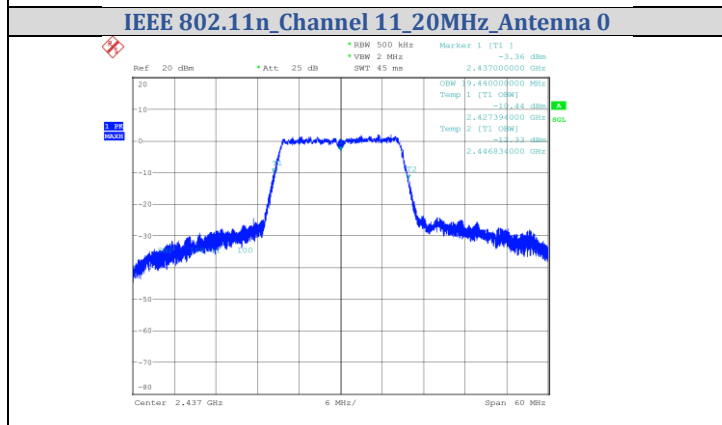
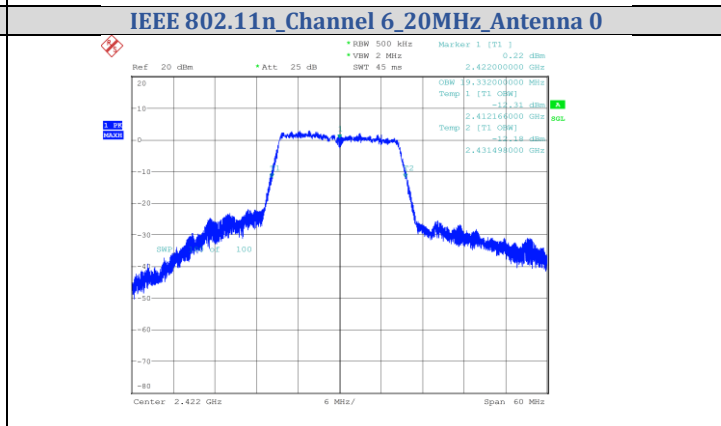
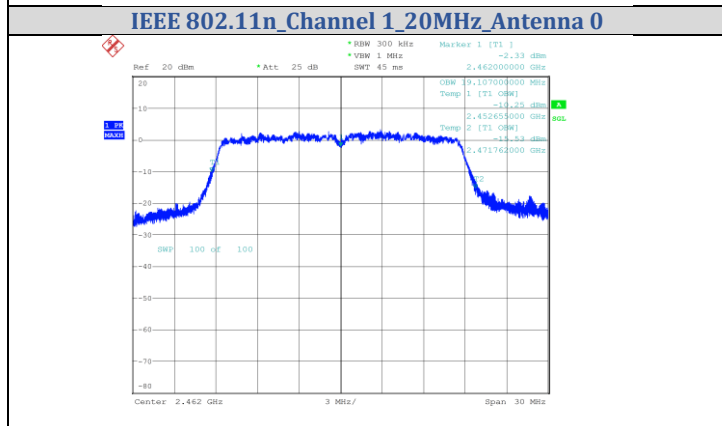
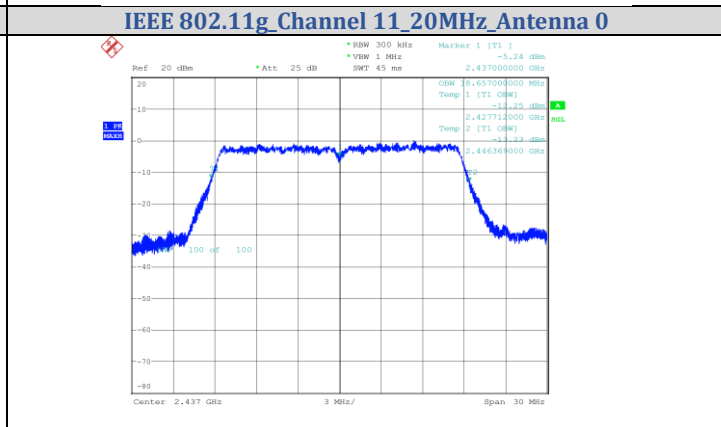
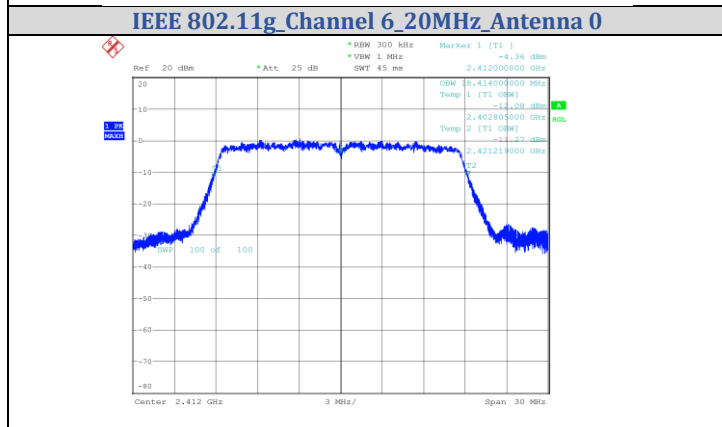
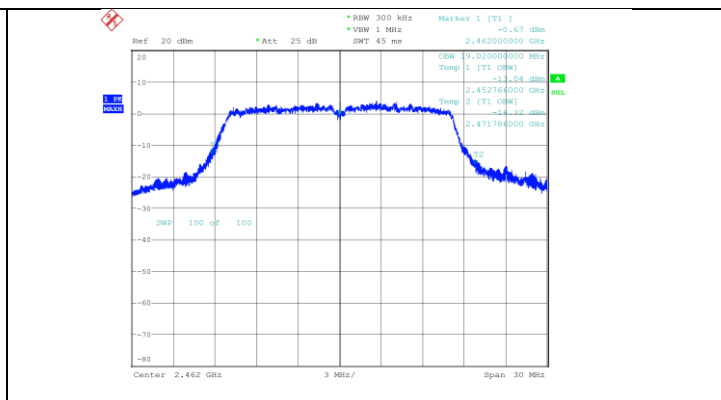
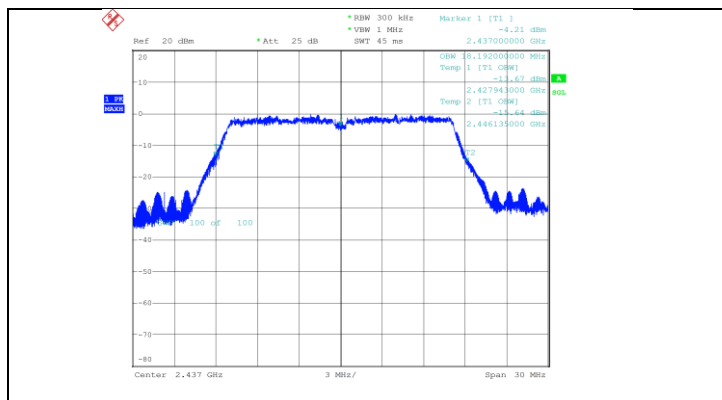


99% Bandwidth
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.220
	6		2437	12.160
	11		2462	12.220
IEEE 802.11g	1		2412	17.710
	6		2437	18.190
	11		2462	19.020
IEEE 802.11n_20	1		2412	18.410
	6		2437	18.660
	11		2462	19.110
IEEE 802.11n_40	3		2422	19.330
	6		2437	19.440
	9		2452	22.210

Test Graphs



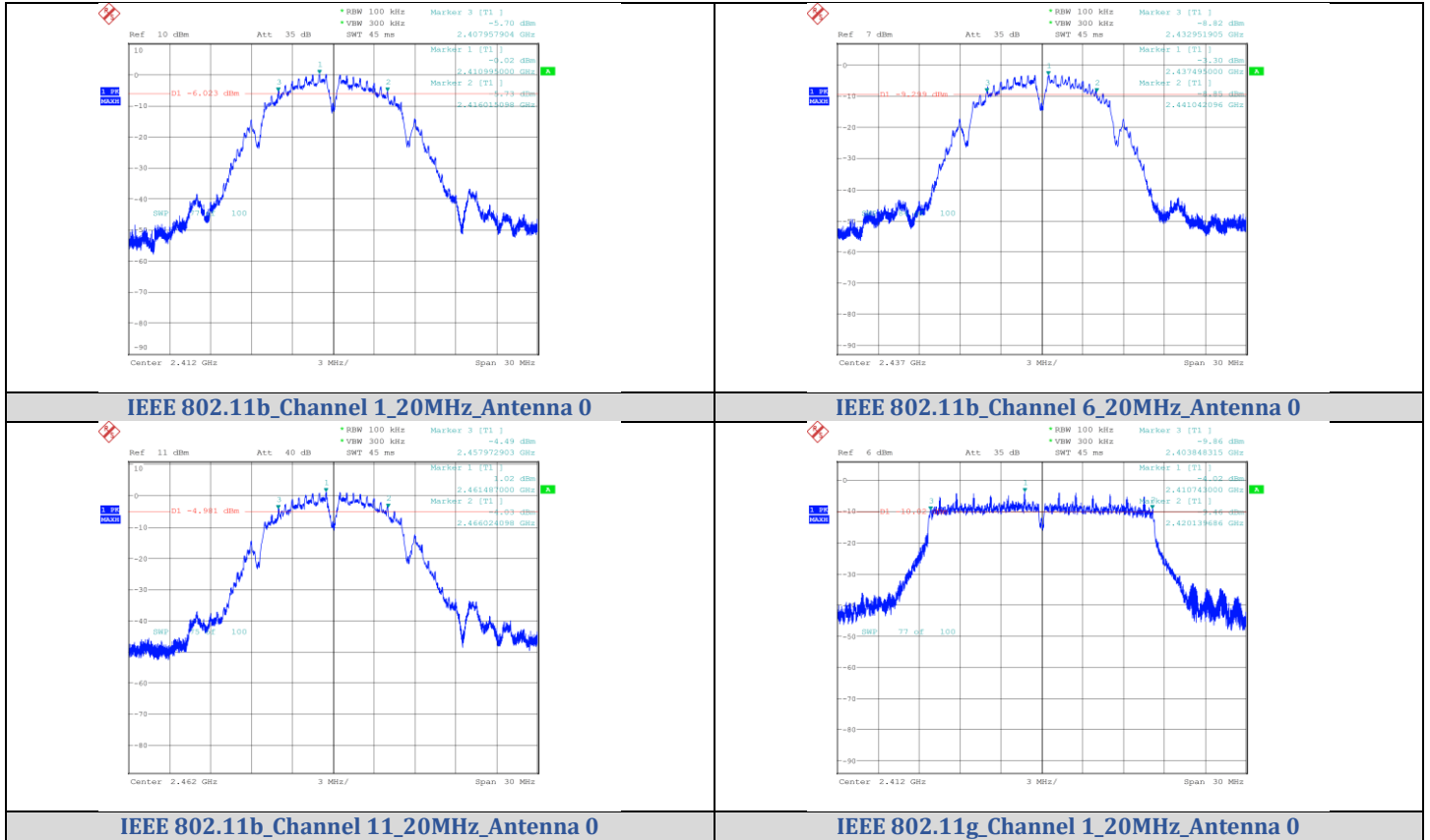


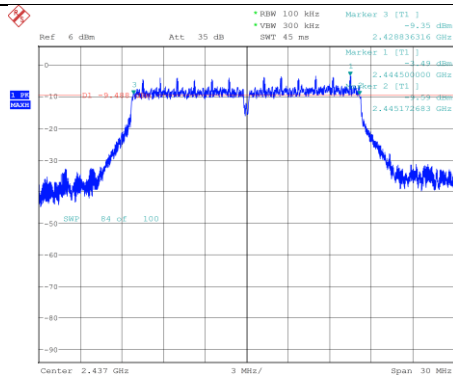
6dB Bandwidth

Test Result

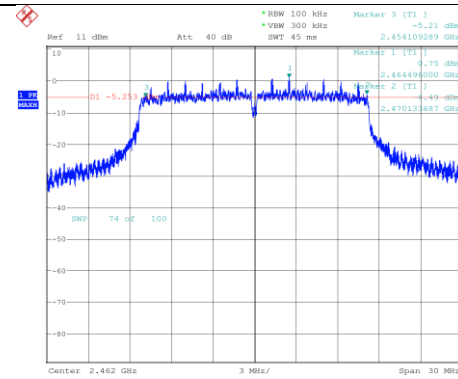
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.060	≥0.5	PASS
	6		2437	8.090		PASS
	11		2462	8.050		PASS
IEEE 802.11g	1		2412	16.29		PASS
	6		2437	16.33		PASS
	11		2462	16.02		PASS
IEEE 802.11n_20	1		2412	17.29		PASS
	6		2437	17.57		PASS
	11		2462	17.02		PASS
IEEE 802.11n_40	3		2422	16.30		PASS
	6		2437	17.57		PASS
	9		2452	17.12		PASS

Test Graphs

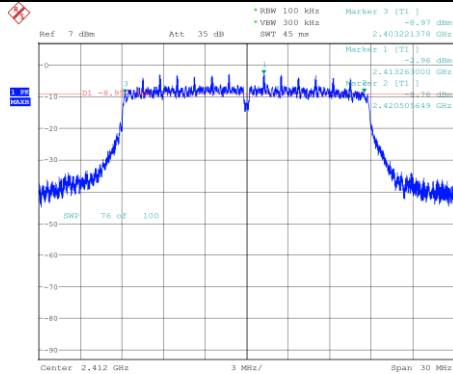




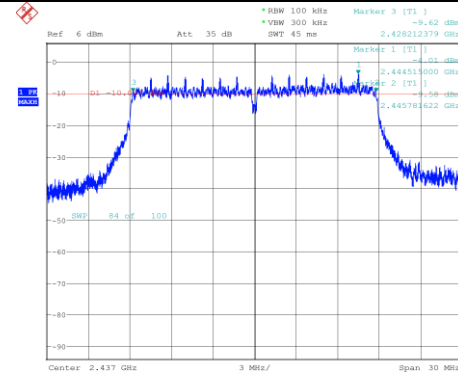
IEEE 802.11g_Channel 6_20MHz_Antenna 0



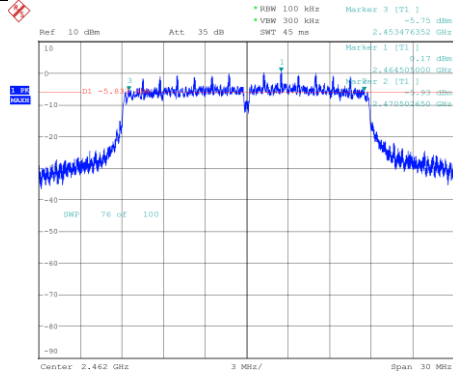
IEEE 802.11g_Channel 11_20MHz_Antenna 0



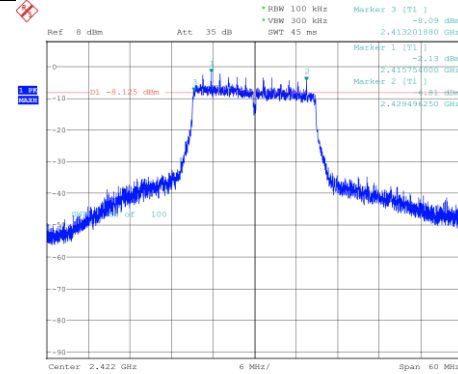
IEEE 802.11n_Channel 1_20MHz_Antenna 0



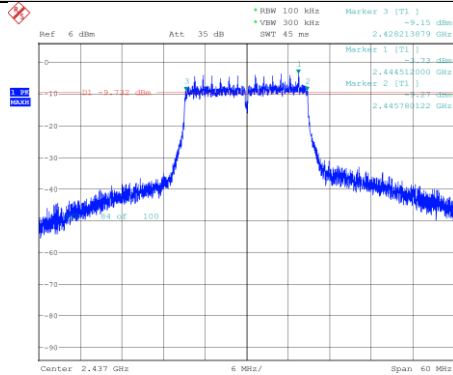
IEEE 802.11n_Channel 6_20MHz_Antenna 0



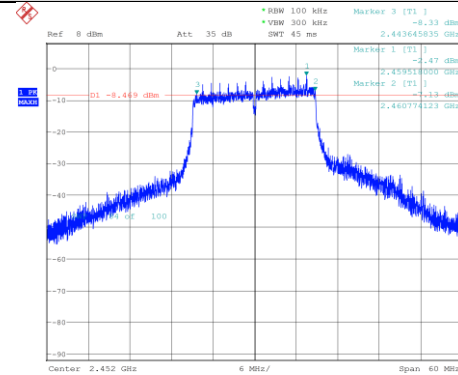
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



IEEE 802.11n_Channel 9_40MHz_Antenna 0

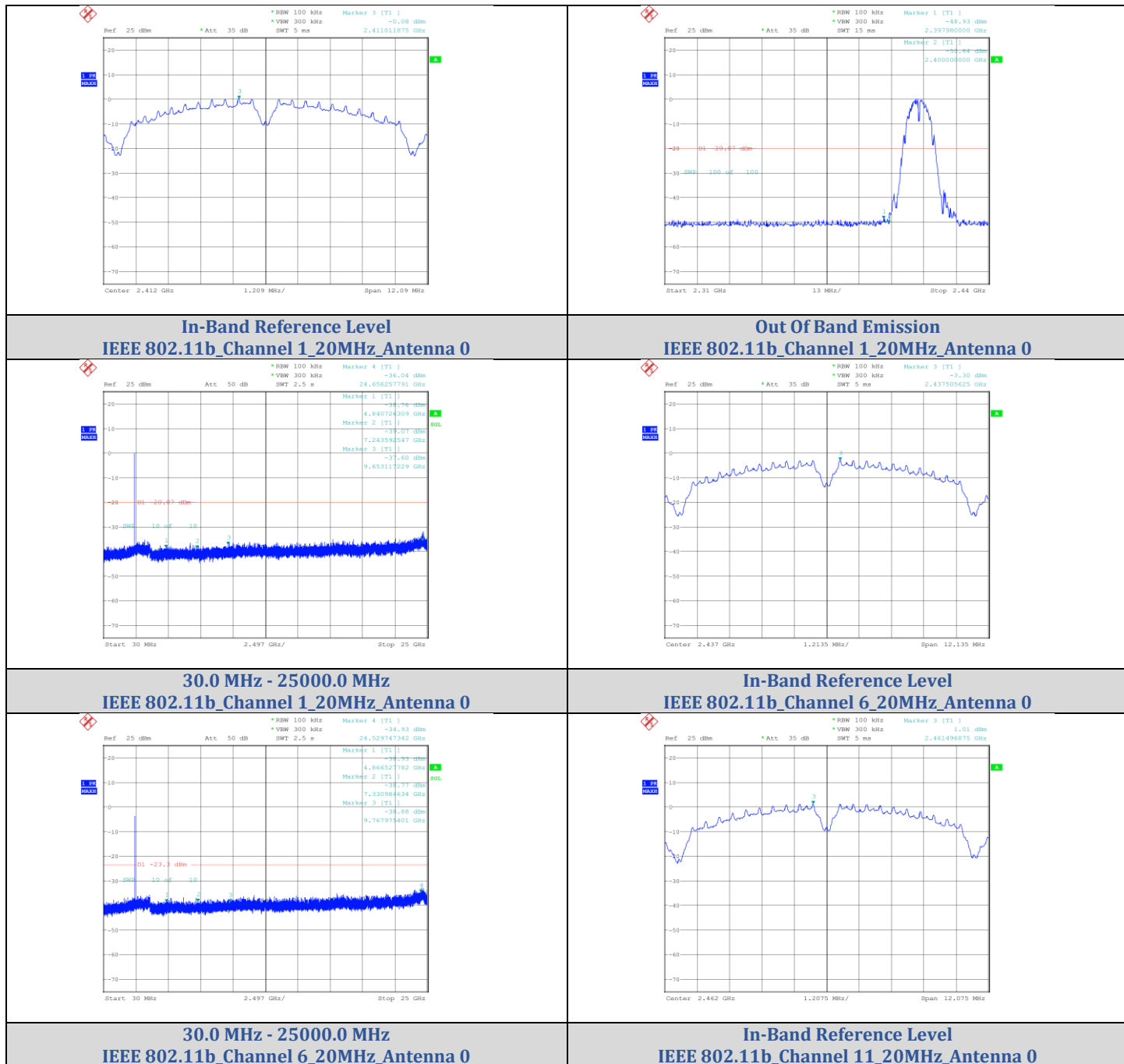
Conducted Out Of Band Emission

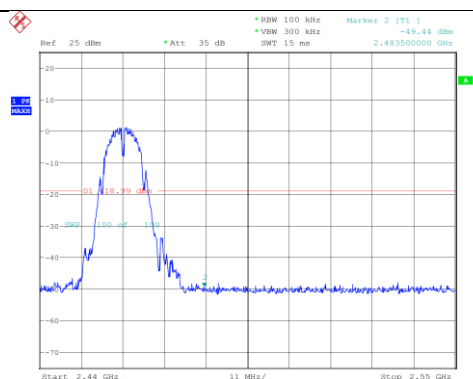
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2397.98	-48.093	-20.07	-28.023	PASS
			2400.00	-50.639	-20.07	-30.569	PASS
			4840.70	-38.763	-20.07	-18.693	PASS
			7243.60	-39.072	-20.07	-19.002	PASS
			9653.10	-37.597	-20.07	-17.527	PASS
			24656.3	-32.120	-20.07	-12.050	PASS
	6		4866.53	-38.926	-23.3	-15.626	PASS
			7330.98	-38.766	-23.3	-15.466	PASS
			9767.98	-38.883	-23.3	-15.583	PASS
			24529.7	-32.954	-23.3	-9.654	PASS
	11		2483.50	-49.441	-18.99	-30.451	PASS
			4920.63	-39.215	-18.99	-20.225	PASS
			7391.74	-38.999	-18.99	-20.009	PASS
			9842.88	-37.254	-18.99	-18.264	PASS
			24727.0	-33.158	-18.99	-14.168	PASS
IEEE 802.11g	1		2398.82	-36.573	-24.22	-12.353	PASS
			2400.00	-37.675	-24.22	-13.455	PASS
			4830.70	-38.655	-24.22	-14.435	PASS
			7220.30	-38.377	-24.22	-14.157	PASS
			9641.50	-37.934	-24.22	-13.714	PASS
			24552.2	-33.287	-24.22	-9.067	PASS
	6		4854.88	-39.464	-23.81	-15.654	PASS
			7313.51	-37.893	-23.81	-14.083	PASS
			9741.34	-38.686	-23.81	-14.876	PASS
			24711.2	-33.103	-23.81	-9.293	PASS
	11		2483.50	-38.296	-19.37	-18.926	PASS
			4923.12	-38.244	-19.37	-18.874	PASS
			7382.59	-39.535	-19.37	-20.165	PASS
			9857.86	-38.218	-19.37	-18.848	PASS
			24121.1	-33.275	-19.37	-13.905	PASS
IEEE 802.11n_20	1		2400.00	-35.117	-22.87	-12.247	PASS
			4811.60	-38.577	-22.87	-15.707	PASS
			7246.92	-38.692	-22.87	-15.822	PASS
			9666.43	-37.119	-22.87	-14.249	PASS
			24774.4	-32.573	-22.87	-9.703	PASS
			4889.83	-39.278	-23.97	-15.308	PASS
	6		7303.52	-38.894	-23.97	-14.924	PASS
			9744.67	-37.939	-23.97	-13.969	PASS
			24571.4	-33.011	-23.97	-9.041	PASS
			2483.50	-37.607	-19.93	-17.677	PASS
	11		4923.96	-39.158	-19.93	-19.228	PASS
			7366.77	-38.500	-19.93	-18.570	PASS
			9856.20	-38.605	-19.93	-18.675	PASS
			24712.9	-33.419	-19.93	-13.489	PASS
			IEEE 802.11n_40	3	2398.19	-44.431	-21.82
2400.00	-45.007				-21.82	-23.187	PASS
4869.90	-37.883				-21.82	-16.063	PASS
7240.30	-39.108				-21.82	-17.288	PASS
9697.20	-38.022				-21.82	-16.202	PASS
24653.8	-33.347				-21.82	-11.527	PASS
6	4869.86			-39.149	-23.7	-15.449	PASS
	7318.50			-38.754	-23.7	-15.054	PASS

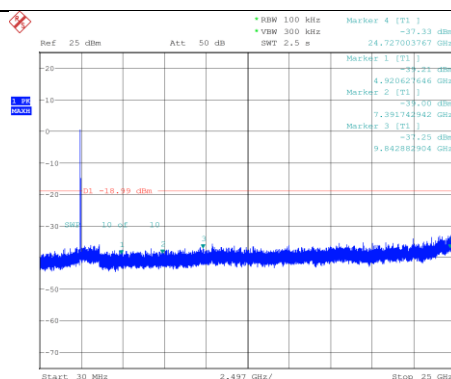
	9		9719.70	-37.667	-23.7	-13.967	PASS
			24157.7	-32.836	-23.7	-9.136	PASS
			2483.50	-45.567	-22.49	-23.077	PASS
			4940.60	-38.944	-22.49	-16.454	PASS
			7348.46	-38.588	-22.49	-16.098	PASS
			9791.28	-38.133	-22.49	-15.643	PASS
			24583.0	-33.074	-22.49	-10.584	PASS

Test Graphs

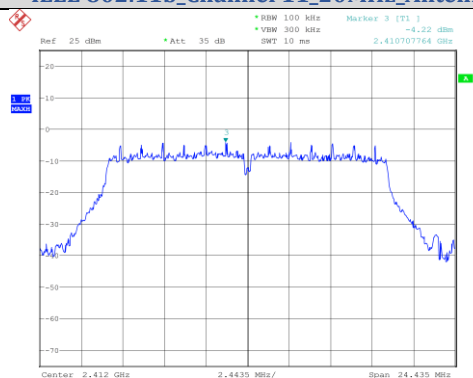




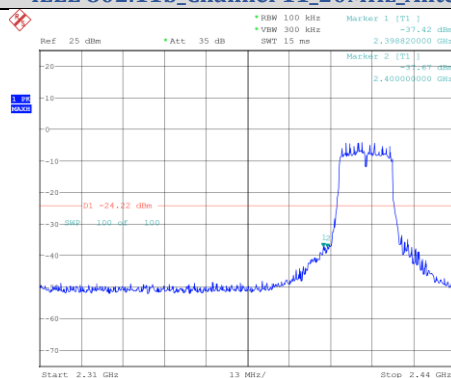
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



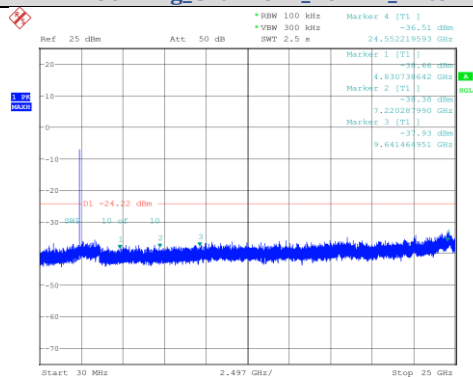
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



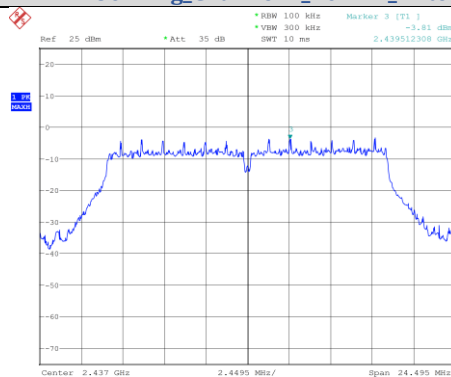
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



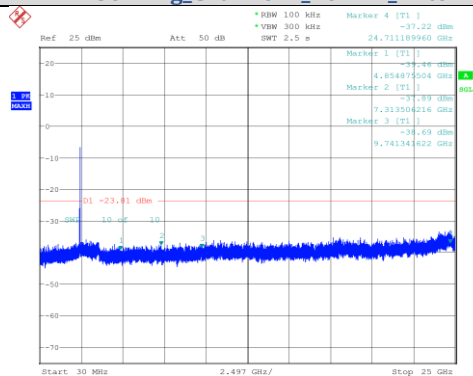
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



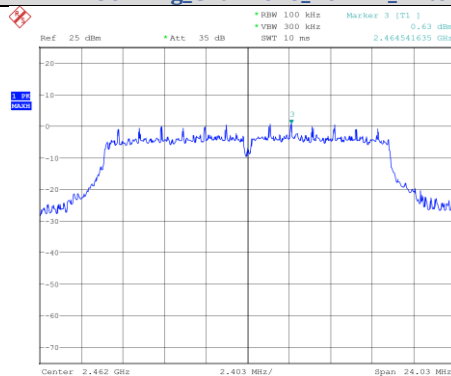
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



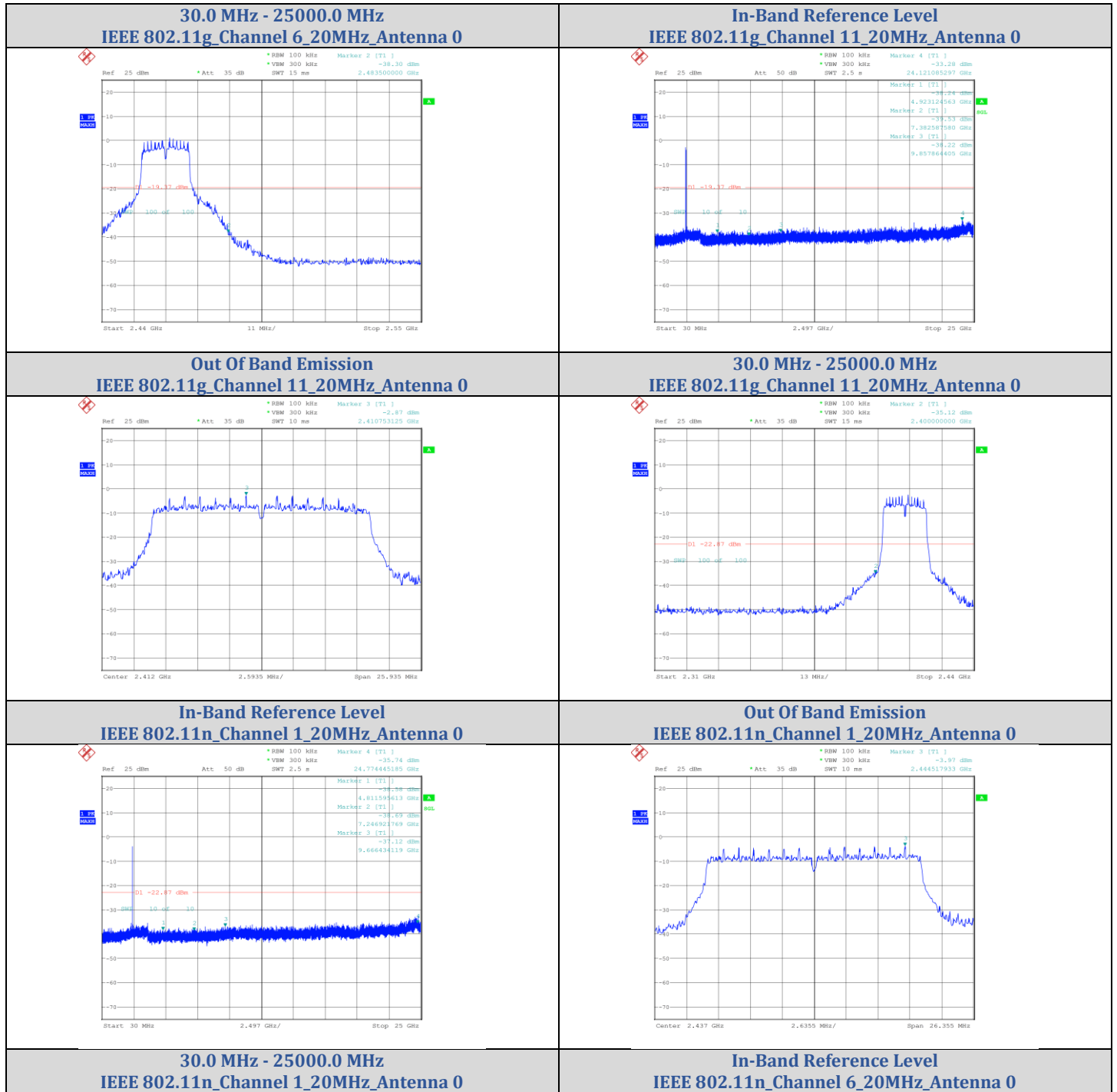
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0

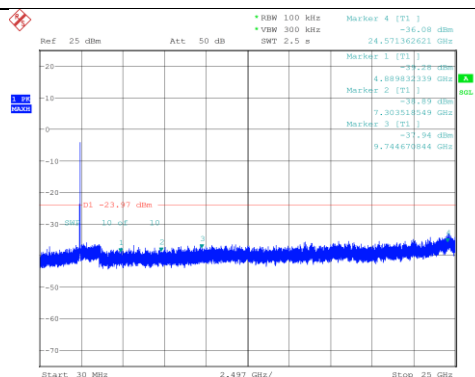


30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0

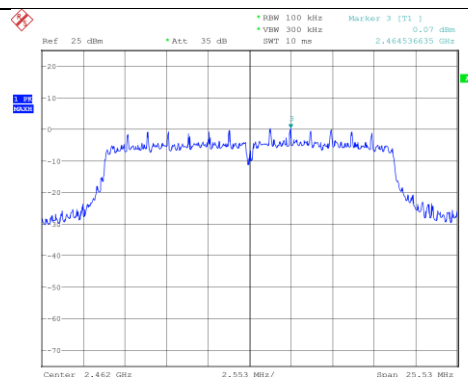


In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0

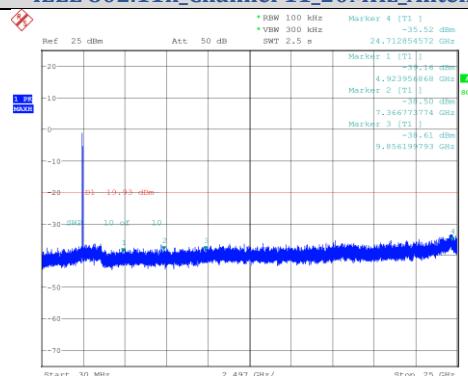
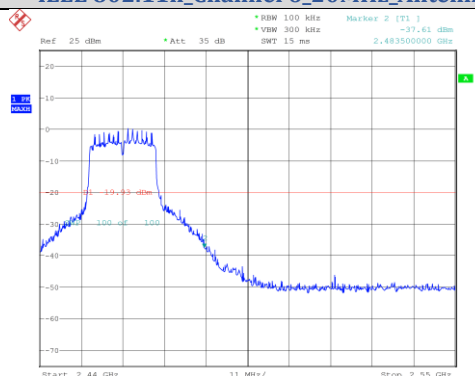




30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0

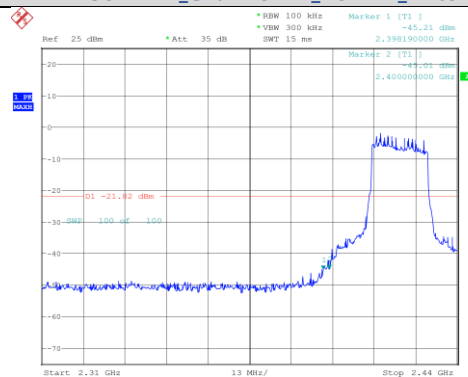
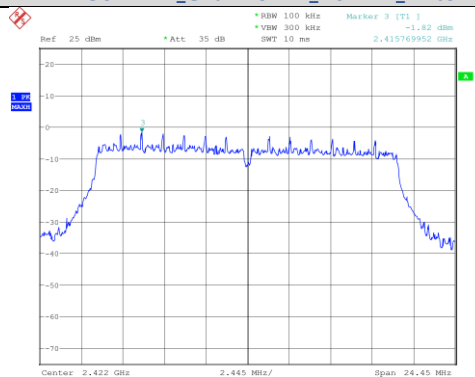


In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



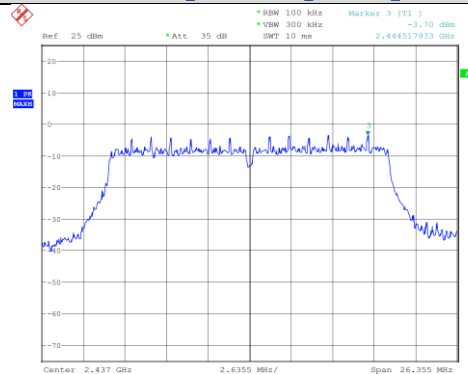
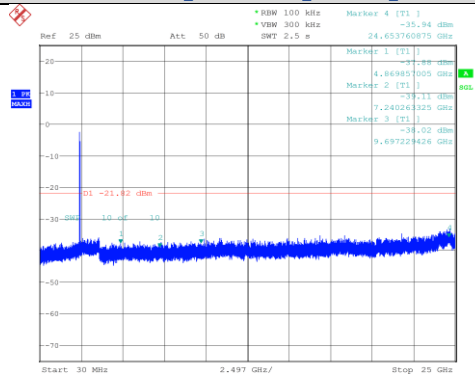
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0

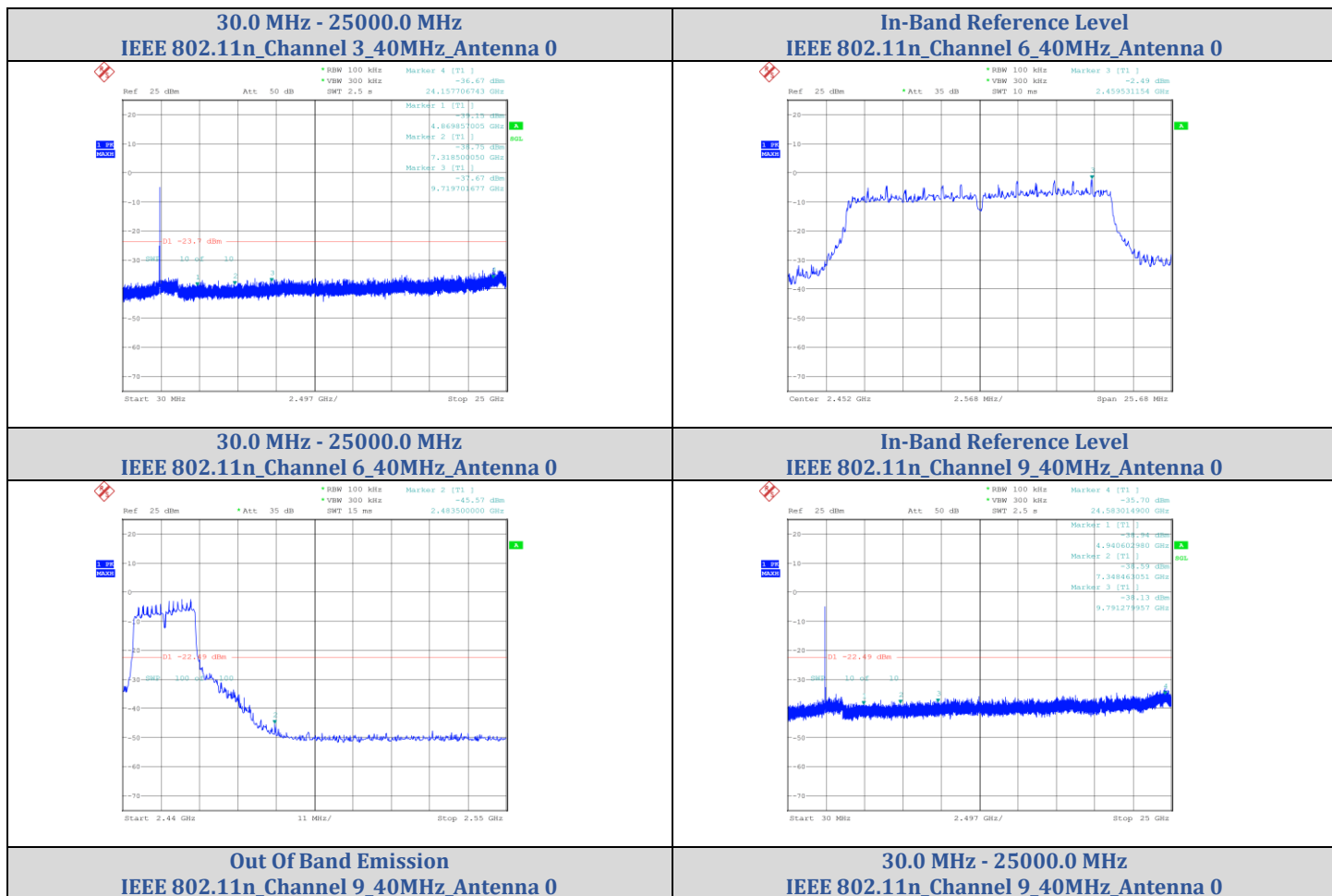
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0

Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



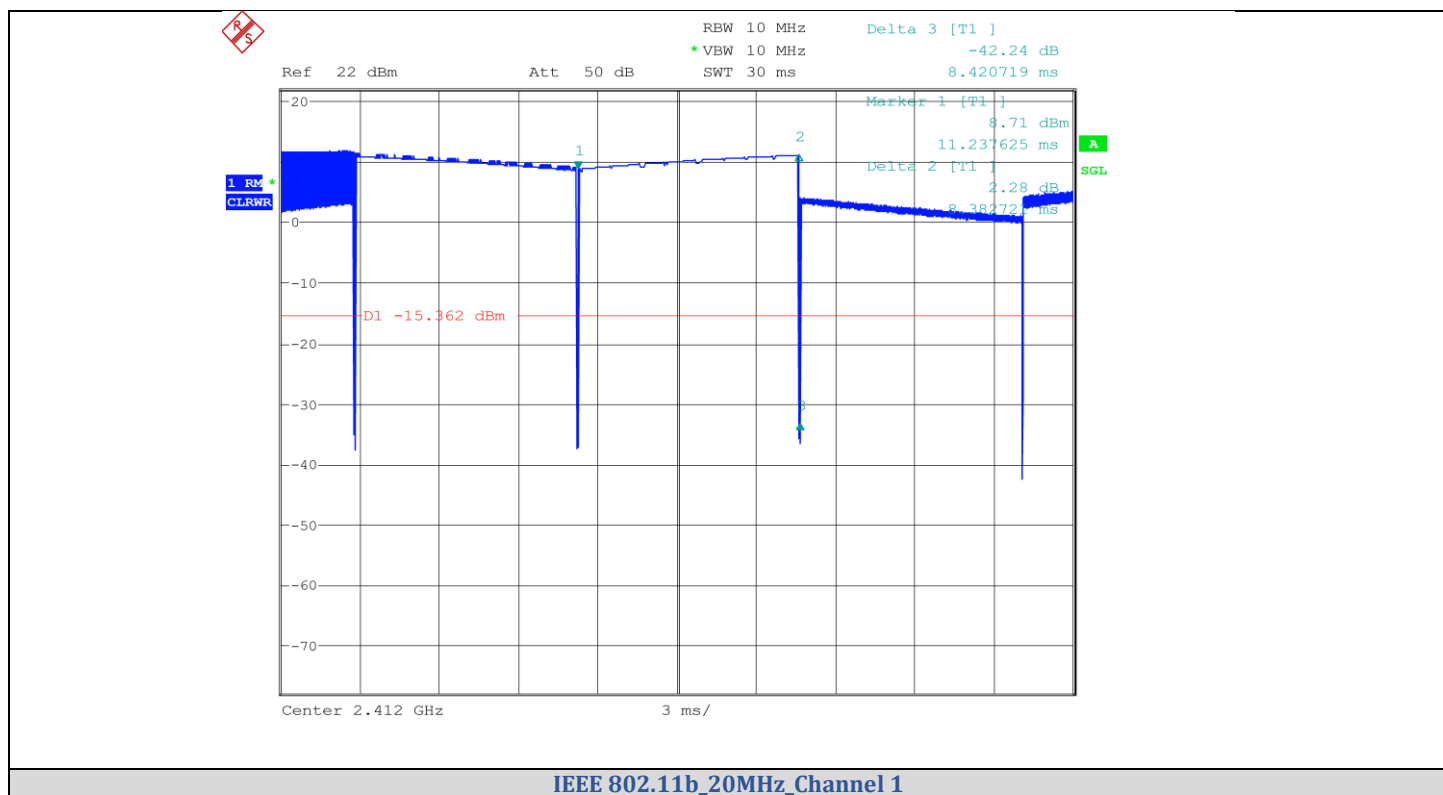


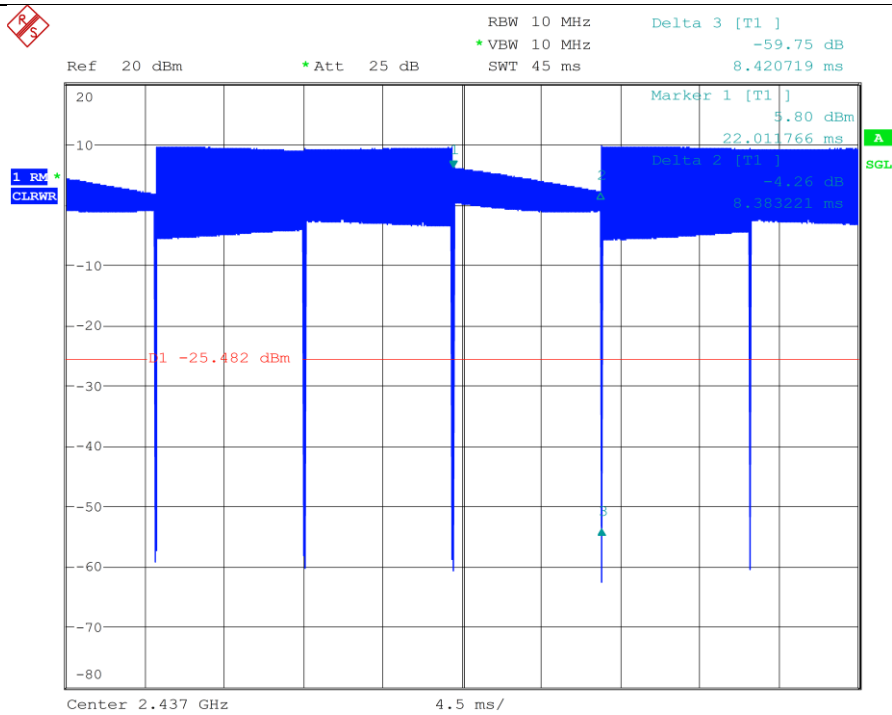
Duty Cycle

Test Result

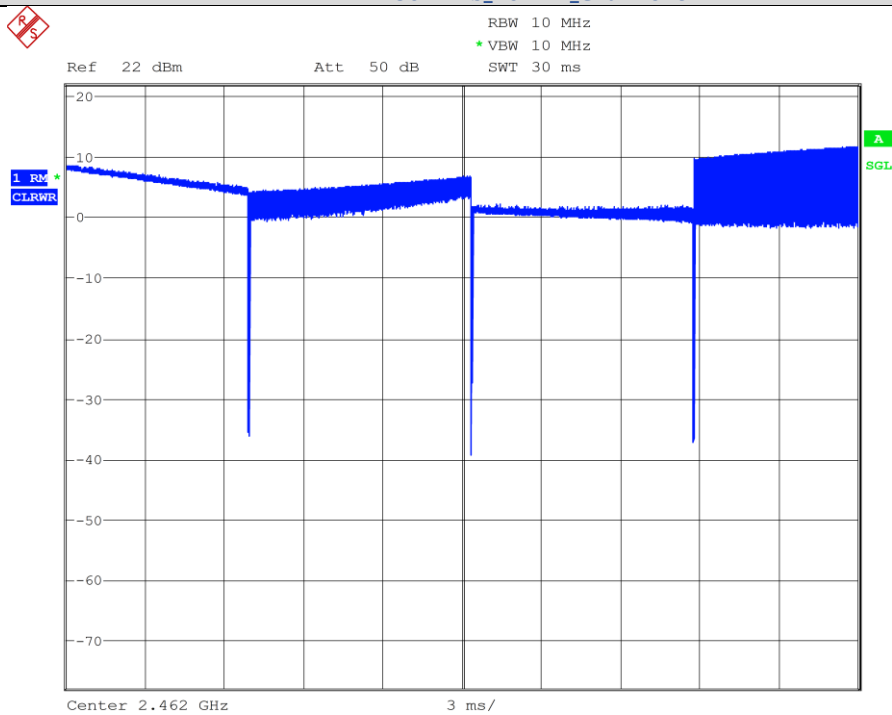
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	1	1	1	8.383	8.421	99.55	0.9955	0.0196
		6		8.383	8.421	99.55	0.9955	0.0196
		11		30.000	30.000	100	1	0.0
IEEE 802.11g		1		1.396	1.427	97.83	0.9783	0.0953
		6		1.396	1.427	97.83	0.9783	0.0953
		11		1.396	1.427	97.83	0.9783	0.0953
IEEE 802.11n_20	MCS 0	1		1.303	1.344	96.97	0.9697	0.1336
		6		1.303	1.335	97.55	0.9755	0.1077
		11		1.304	1.336	97.60	0.9760	0.1055
IEEE 802.11n_40		3		1.303	1.335	97.55	0.9755	0.1077
		6		1.303	1.353	96.30	0.9630	0.1637
		9		1.304	1.335	97.68	0.9768	0.1019

Test Graphs

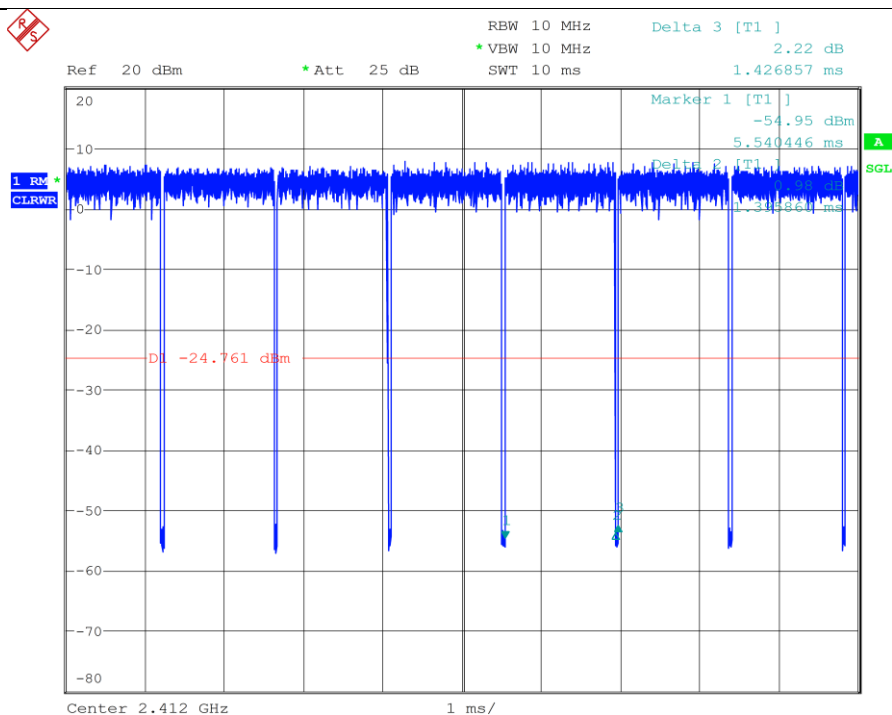




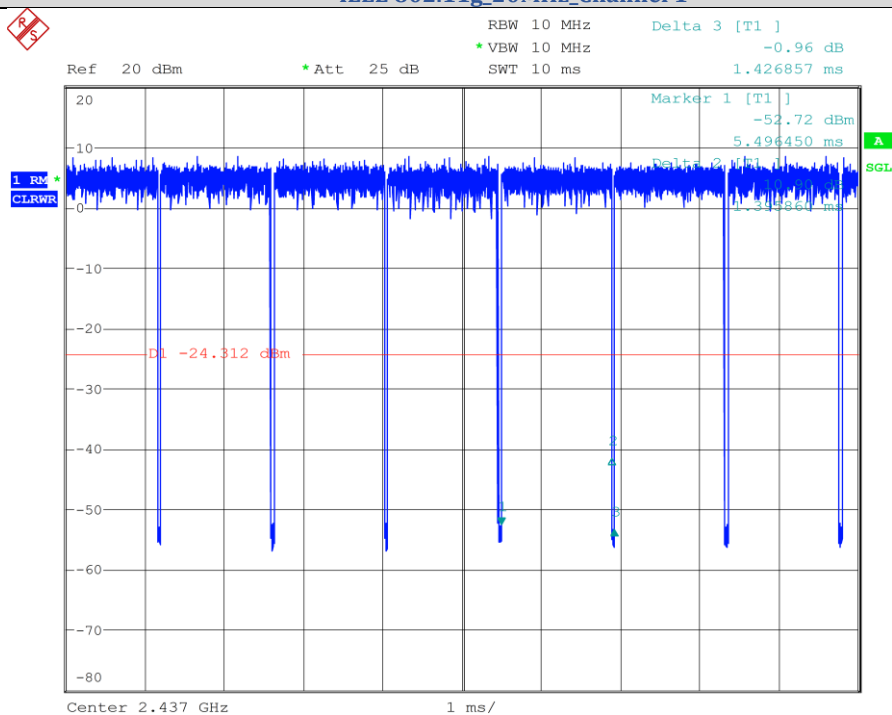
IEEE 802.11b_20MHz_Channel 6



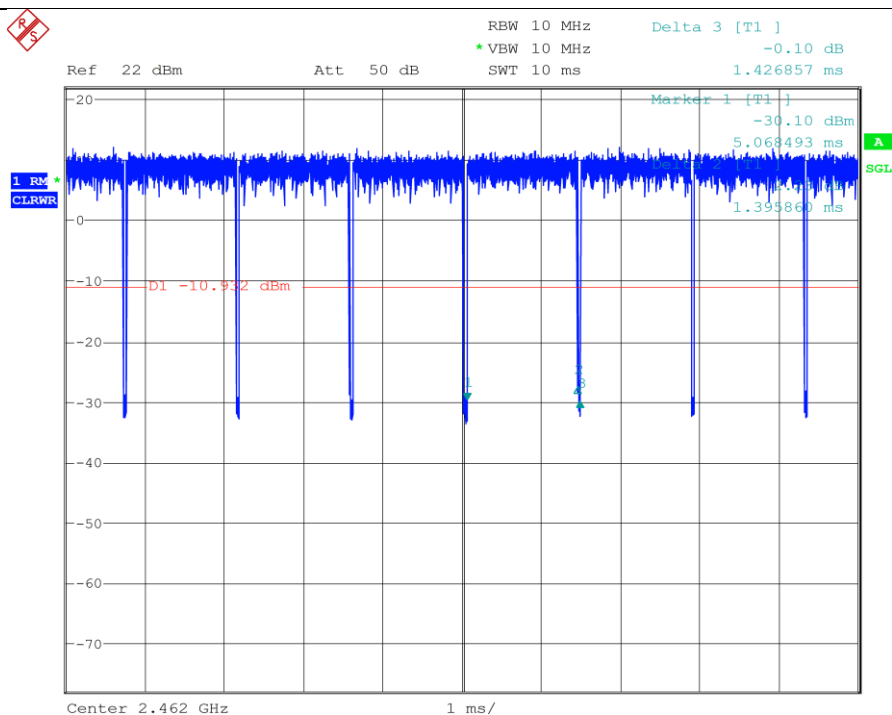
IEEE 802.11b_20MHz_Channel 11



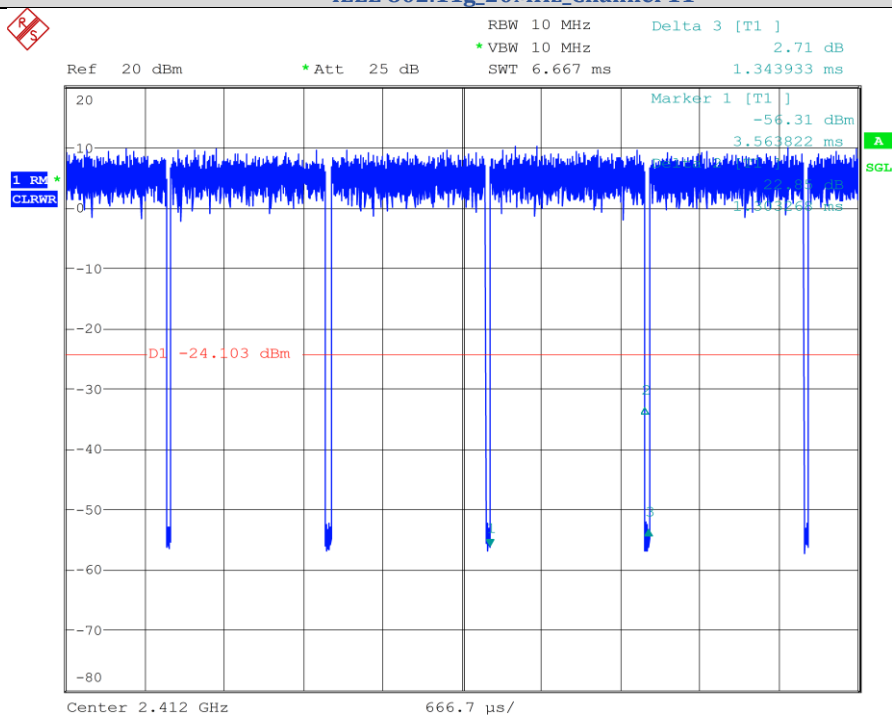
IEEE 802.11g_20MHz_Channel 1



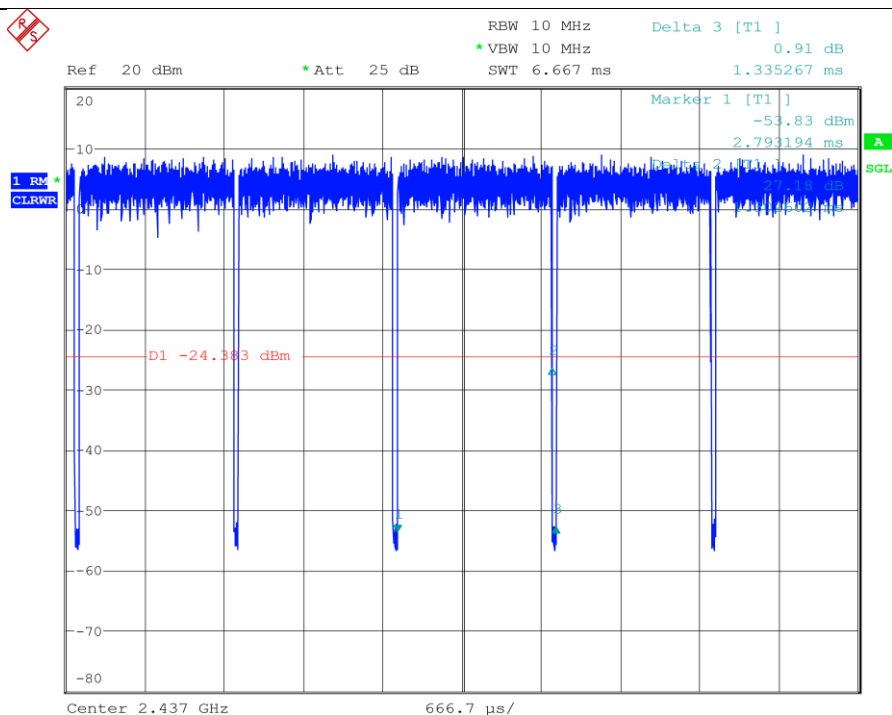
IEEE 802.11g_20MHz_Channel 6



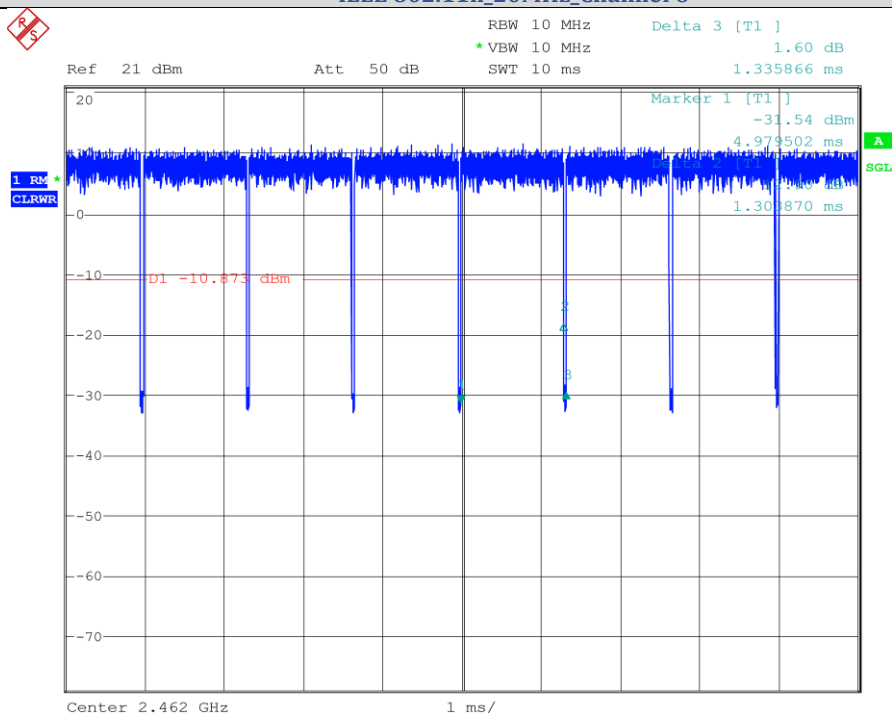
IEEE 802.11g_20MHz_Channel 11



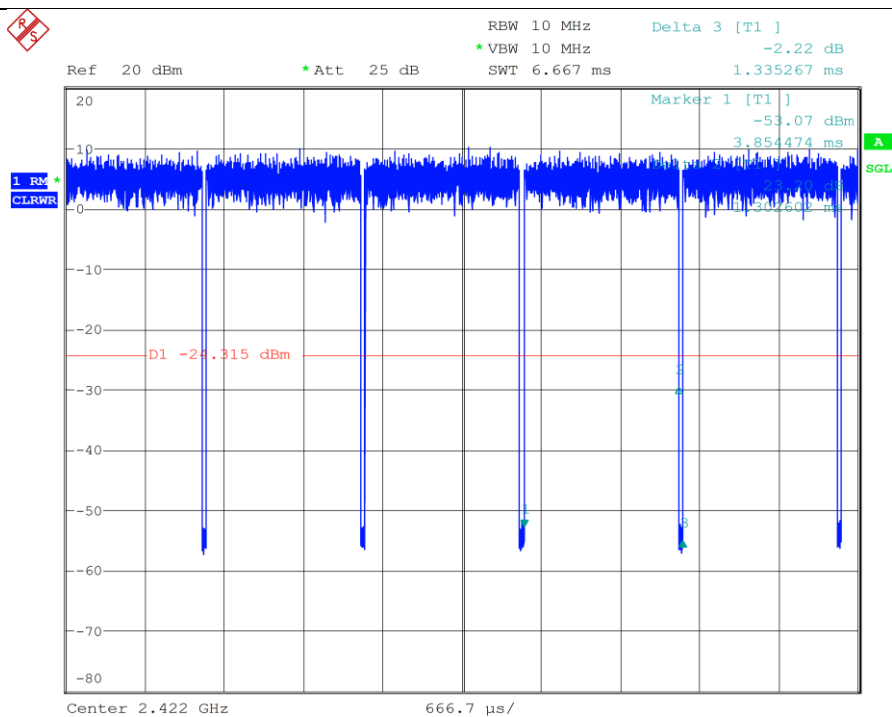
IEEE 802.11n_20MHz_Channel 1



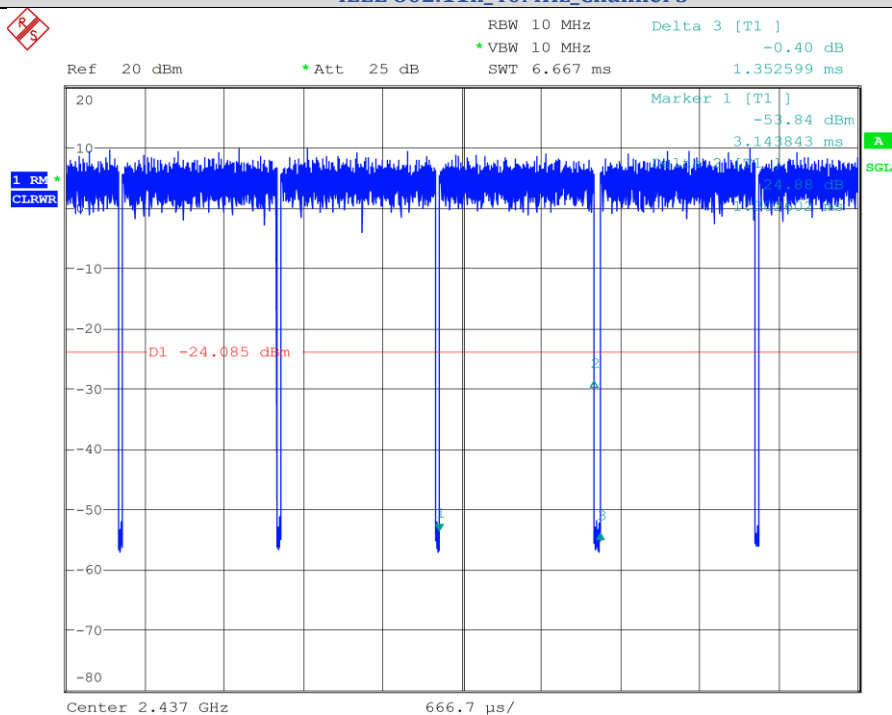
IEEE 802.11n_20MHz_Channel 6



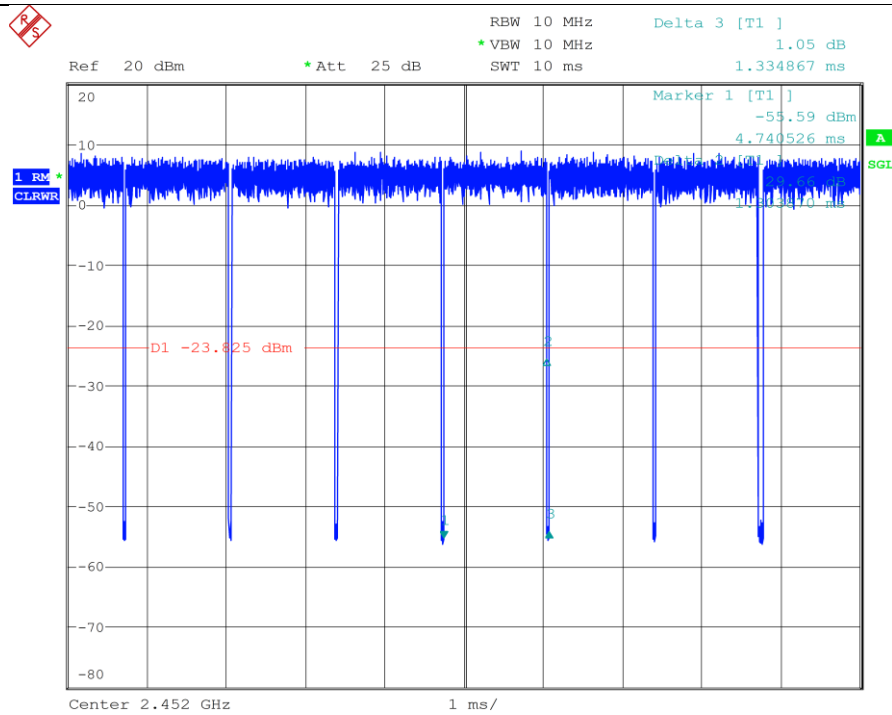
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-3.657	≤8	PASS
	6	-3.991		PASS
	11	-4.589		PASS
IEEE 802.11g	1	-18.860		PASS
	6	-18.192		PASS
	11	-15.162		PASS
IEEE 802.11n_20	1	-18.054		PASS
	6	-19.889		PASS
	11	-15.954		PASS
IEEE 802.11n_40	3	-18.339		PASS
	6	-18.991		PASS
	9	-18.244		PASS

Test Graphs

