

Conducted Output Power

Test Result

Conducted Output Power

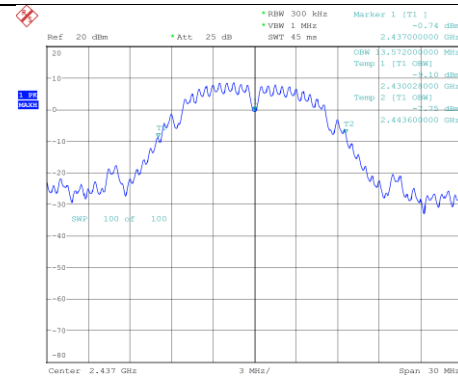
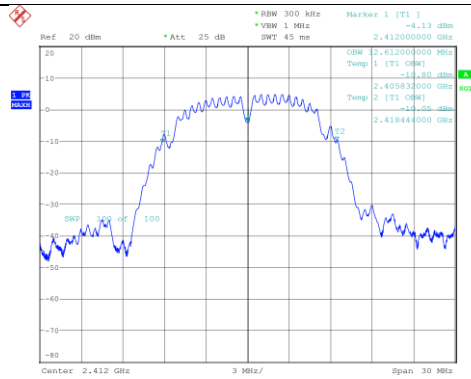
Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	15.73	N/A	≤30	PASS
	6	19.23	N/A	≤30	PASS
	11	19.49	N/A	≤30	PASS
IEEE 802.11g	1	20.69	N/A	≤30	PASS
	6	23.52	N/A	≤30	PASS
	11	23.31	N/A	≤30	PASS
IEEE 802.11n_20	1	19.83	N/A	≤30	PASS
	6	23.11	N/A	≤30	PASS
	11	22.52	N/A	≤30	PASS
IEEE 802.11n_40	3	21.05	N/A	≤30	PASS
	6	22.73	N/A	≤30	PASS
	9	21.54	N/A	≤30	PASS

99% Bandwidth

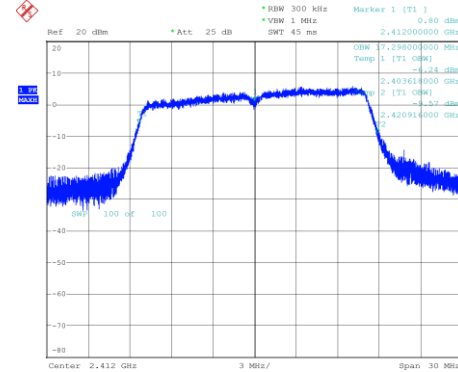
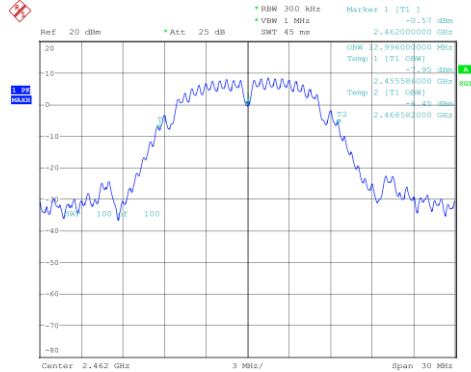
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.610
	6		2437	13.570
	11		2462	13.000
IEEE 802.11g	1		2412	17.300
	6		2437	20.880
	11		2462	17.480
IEEE 802.11n_20	1		2412	18.210
	6		2437	19.310
	11		2462	18.320
IEEE 802.11n_40	3		2422	36.560
	6		2437	37.060
	9		2452	36.980

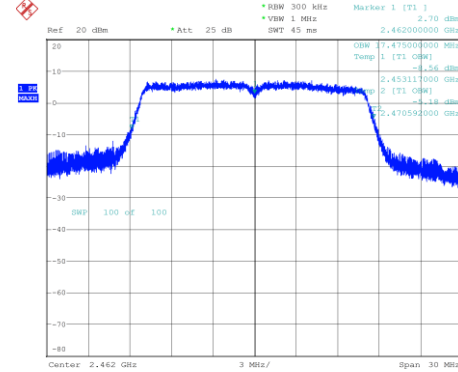
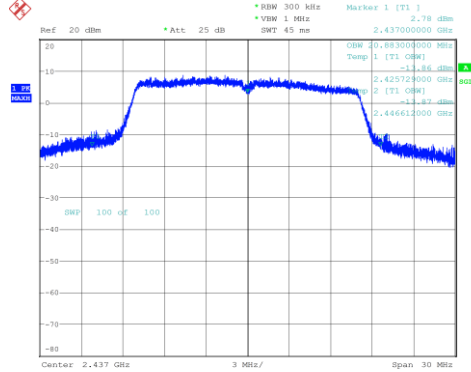
Test Graphs



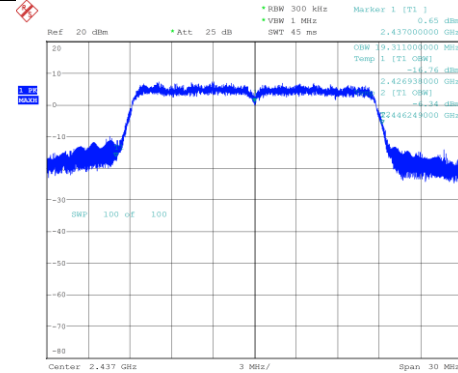
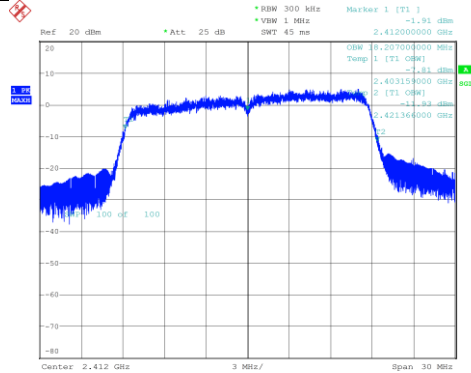
IEEE 802.11b_Channel 1_20MHz_Antenna 0



IEEE 802.11b_Channel 11_20MHz_Antenna 0

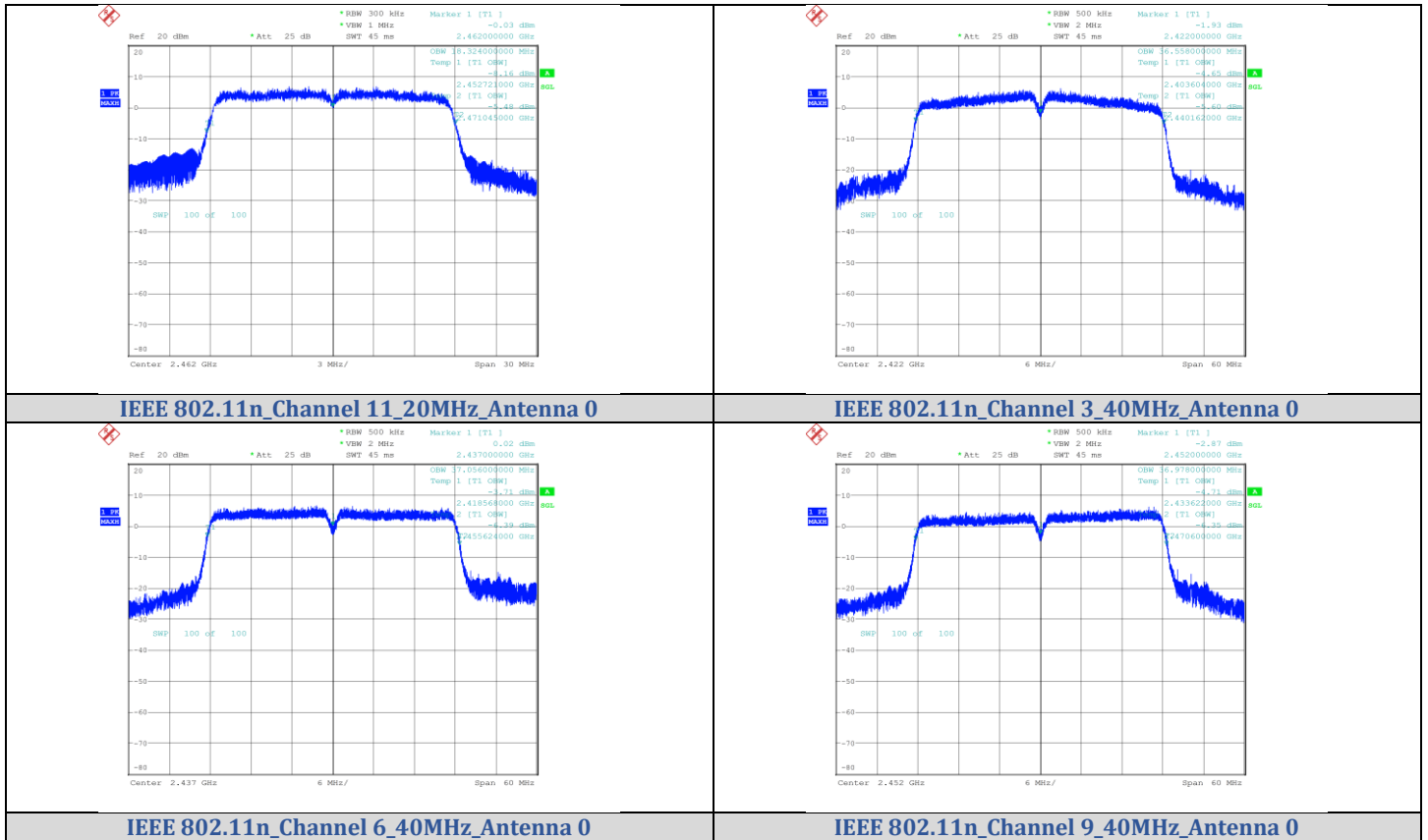


IEEE 802.11g_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



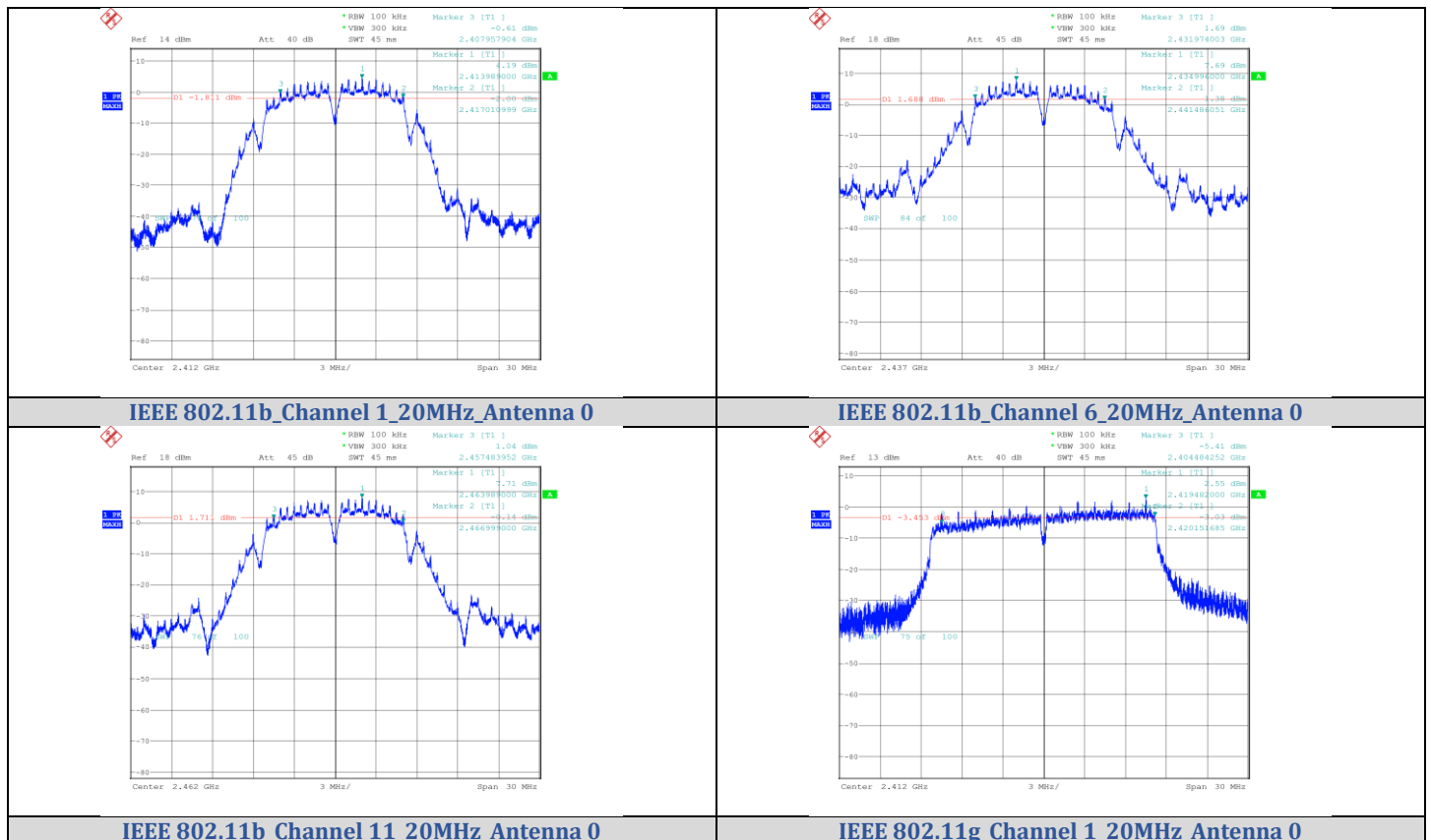


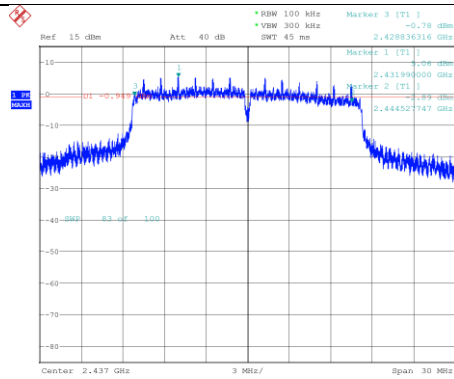
6dB Bandwidth

Test Result

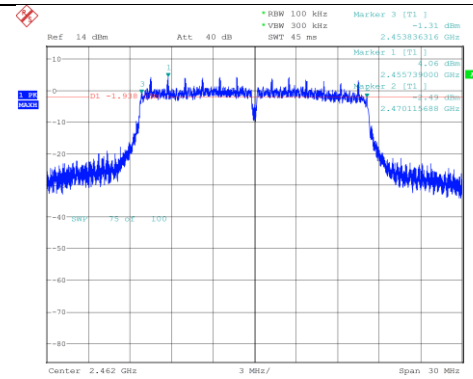
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.050	≥0.5	PASS
	6		2437	9.520		PASS
	11		2462	9.520		PASS
IEEE 802.11g	1		2412	15.67		PASS
	6		2437	15.69		PASS
	11		2462	16.28		PASS
IEEE 802.11n_20	1		2412	16.16		PASS
	6		2437	17.39		PASS
	11		2462	16.92		PASS
IEEE 802.11n_40	3		2422	35.07		PASS
	6		2437	35.62		PASS
	9		2452	35.61		PASS

Test Graphs

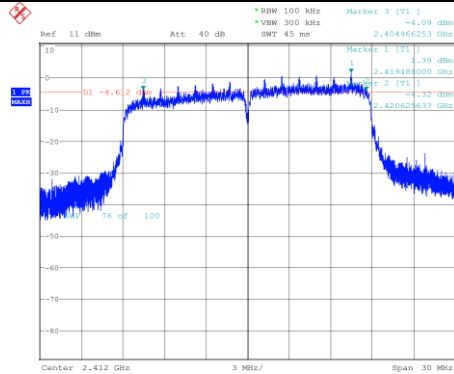




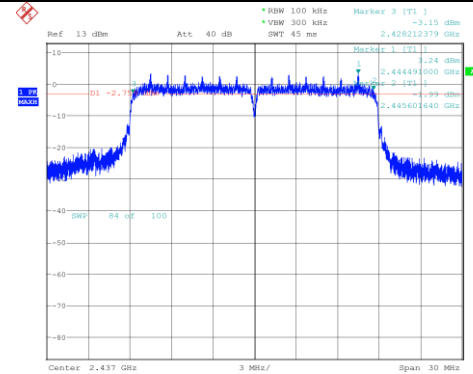
IEEE 802.11g_Channel 6_20MHz_Antenna 0



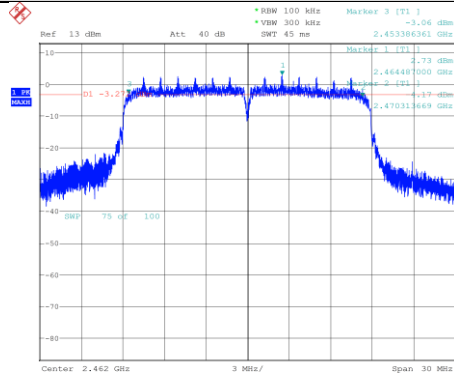
IEEE 802.11g_Channel 11_20MHz_Antenna 0



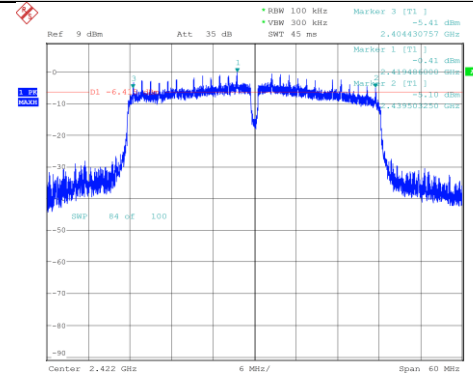
IEEE 802.11n_Channel 1_20MHz_Antenna 0



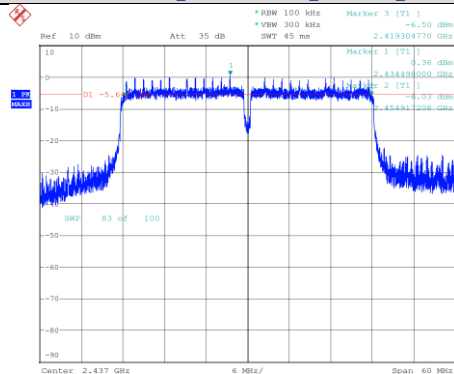
IEEE 802.11n_Channel 6_20MHz_Antenna 0



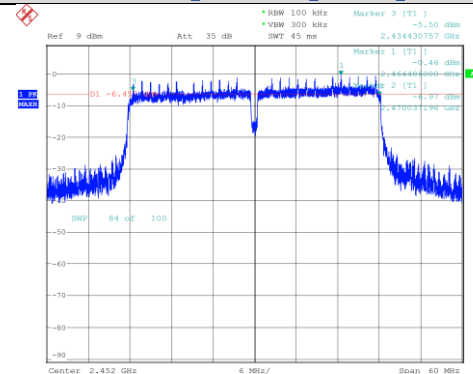
IEEE 802.11n_Channel 11_20MHz_Antenna 0



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

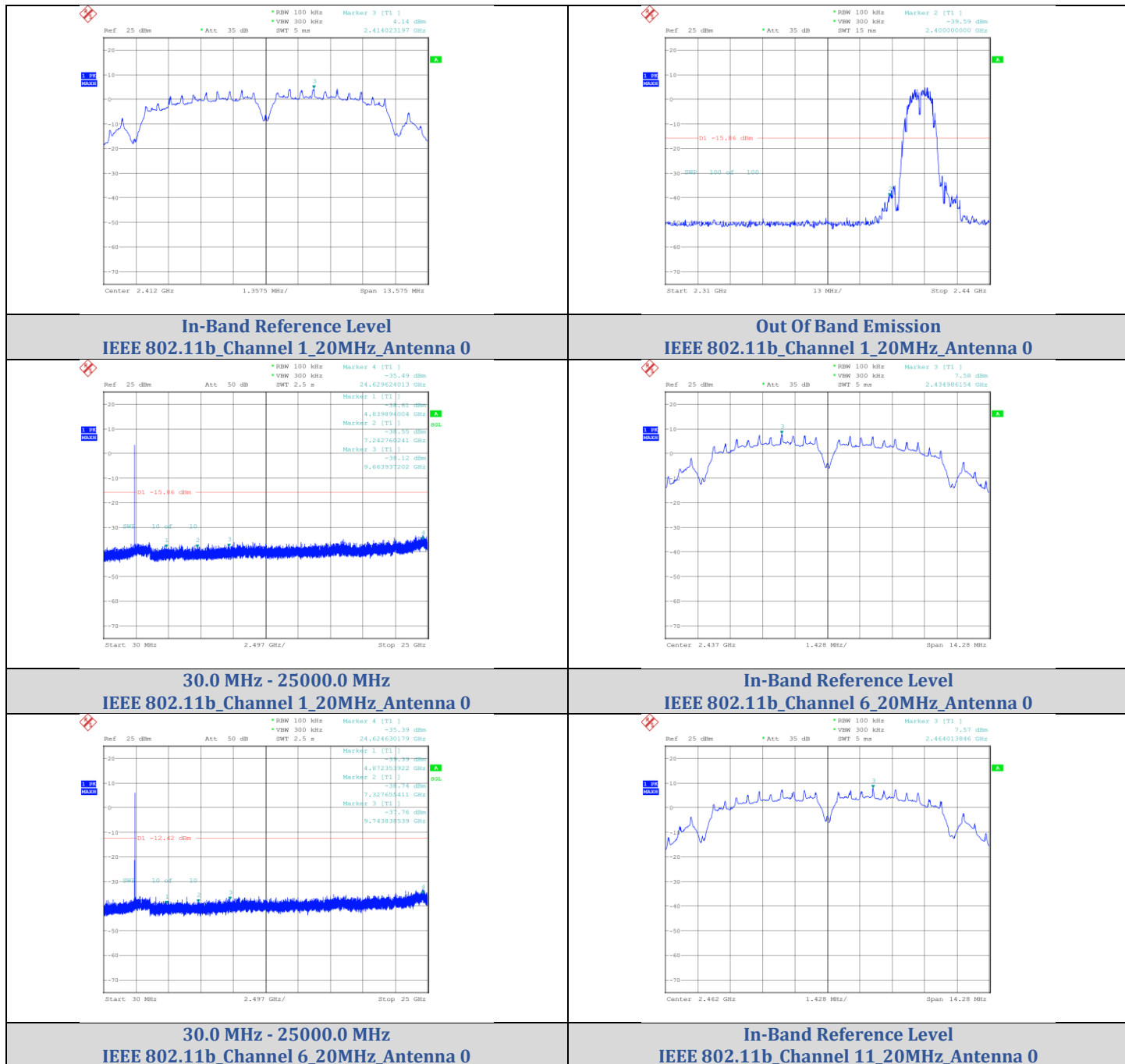
Test Result

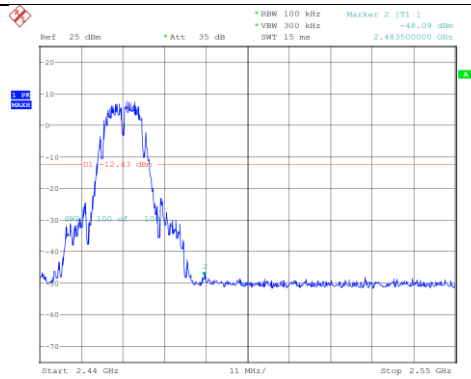
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2400.00	-39.593	-15.86	-23.733	PASS
			4839.89	-38.611	-15.86	-22.751	PASS
			7242.76	-38.549	-15.86	-22.689	PASS
			9663.94	-38.120	-15.86	-22.260	PASS
			24629.6	-33.399	-15.86	-17.539	PASS
	6		4872.35	-39.387	-12.42	-26.967	PASS
			7327.66	-38.737	-12.42	-26.317	PASS
			9743.84	-37.758	-12.42	-25.338	PASS
			24624.6	-33.124	-12.42	-20.704	PASS
			2483.50	-48.093	-12.43	-35.663	PASS
	11		4935.61	-39.257	-12.43	-26.827	PASS
			7384.25	-38.287	-12.43	-25.857	PASS
			9859.53	-37.523	-12.43	-25.093	PASS
			24651.3	-32.642	-12.43	-20.212	PASS
2397.78			-31.604	-17.63	-13.974	PASS	
IEEE 802.11g	1		2400.00	-32.868	-17.63	-15.238	PASS
			4837.40	-39.281	-17.63	-21.651	PASS
			7236.10	-38.404	-17.63	-20.774	PASS
			9639.00	-38.070	-17.63	-20.440	PASS
			24688.7	-32.364	-17.63	-14.734	PASS
			4854.04	-39.922	-15.09	-24.832	PASS
	6		7328.49	-39.473	-15.09	-24.383	PASS
			9749.66	-36.986	-15.09	-21.896	PASS
			24572.2	-33.233	-15.09	-18.143	PASS
			2483.50	-35.377	-15.68	-19.697	PASS
	11		4917.30	-39.212	-15.68	-23.532	PASS
			7379.26	-37.914	-15.68	-22.234	PASS
			9843.72	-37.989	-15.68	-22.309	PASS
			24539.7	-33.491	-15.68	-17.811	PASS
IEEE 802.11n_20	1		2400.00	-33.104	-18.67	-14.434	PASS
			4827.41	-39.005	-18.67	-20.335	PASS
			7254.41	-40.043	-18.67	-21.373	PASS
			9633.14	-38.025	-18.67	-19.355	PASS
			24653.8	-32.619	-18.67	-13.949	PASS
	6		4876.52	-38.641	-16.78	-21.861	PASS
			7307.68	-38.127	-16.78	-21.347	PASS
			9732.19	-38.149	-16.78	-21.369	PASS
			24894.3	-33.208	-16.78	-16.428	PASS
	11		2483.50	-39.380	-17.7	-21.680	PASS
			4921.46	-38.860	-17.7	-21.160	PASS
			7374.26	-38.035	-17.7	-20.335	PASS
			9857.86	-37.999	-17.7	-20.299	PASS
			24139.4	-32.742	-17.7	-15.042	PASS
IEEE 802.11n_40	3		2397.57	-28.376	-20.5	-7.876	PASS
			2400.00	-31.609	-20.5	-11.109	PASS
			4874.90	-38.330	-20.5	-17.830	PASS
			7253.60	-38.287	-20.5	-17.787	PASS
			9718.00	-38.051	-20.5	-17.551	PASS
	6		24548.1	-32.822	-20.5	-12.322	PASS
			4857.37	-39.040	-19.66	-19.380	PASS
			7321.83	-38.330	-19.66	-18.670	PASS
			9723.86	-38.083	-19.66	-18.423	PASS



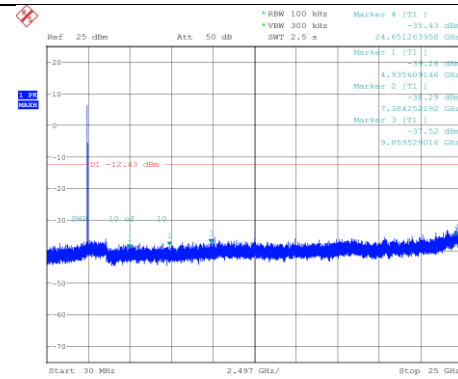
	9		24637.9	-33.520	-19.66	-13.860	PASS
			2483.50	-34.517	-20.52	-13.997	PASS
			4891.50	-37.945	-20.52	-17.425	PASS
			7385.92	-38.486	-20.52	-17.966	PASS
			9838.72	-37.403	-20.52	-16.883	PASS
			24155.2	-33.289	-20.52	-12.769	PASS

Test Graphs

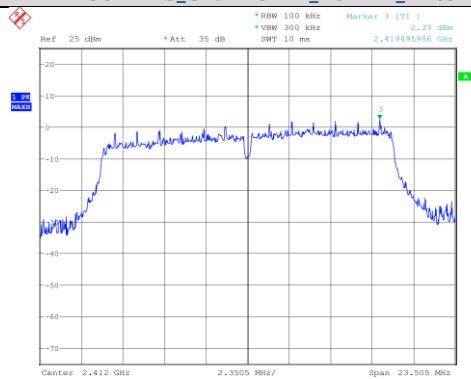




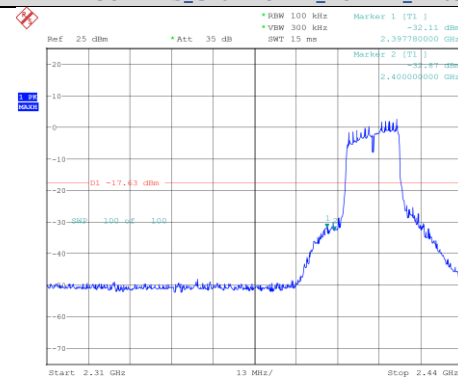
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



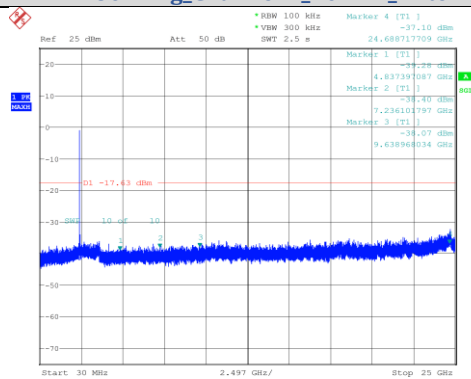
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



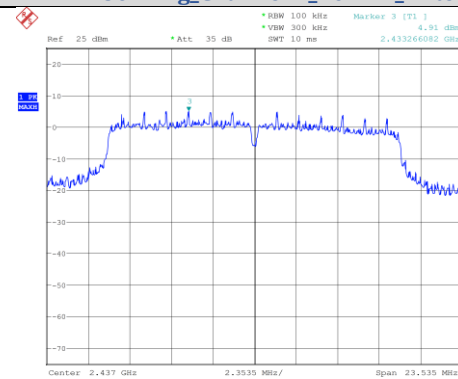
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



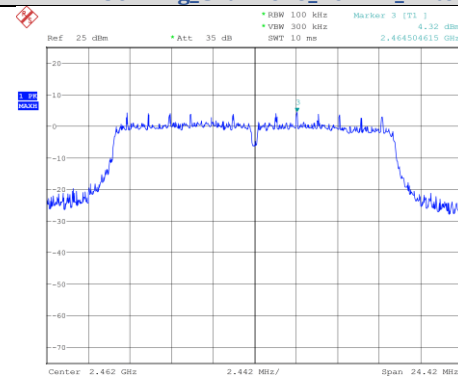
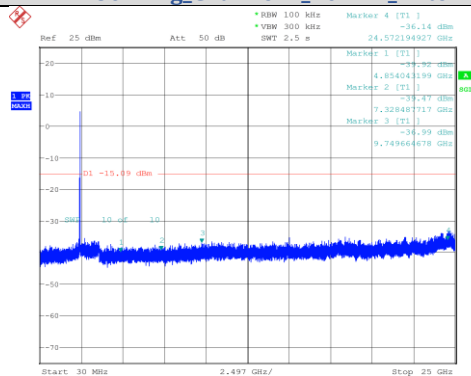
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0

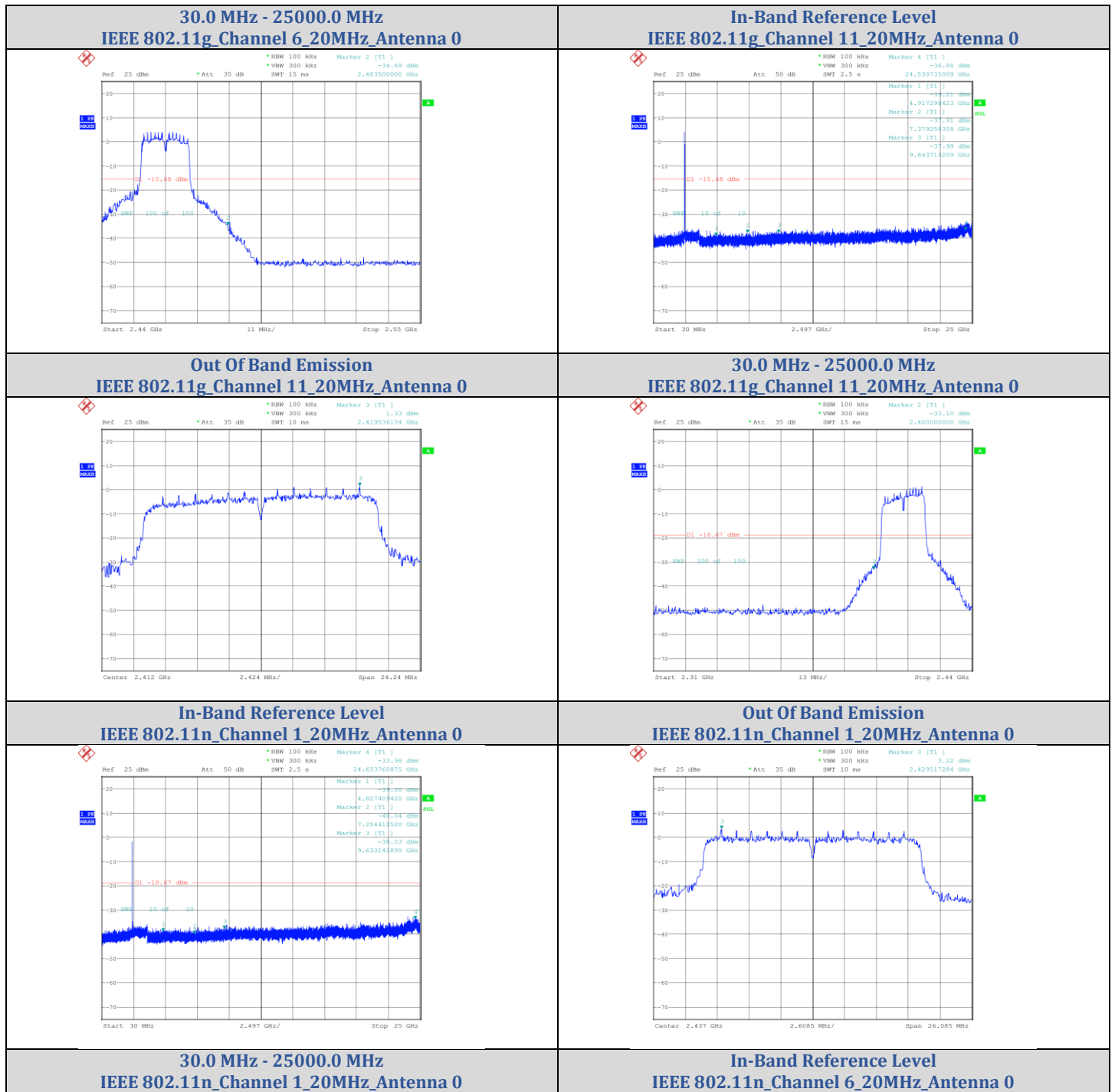


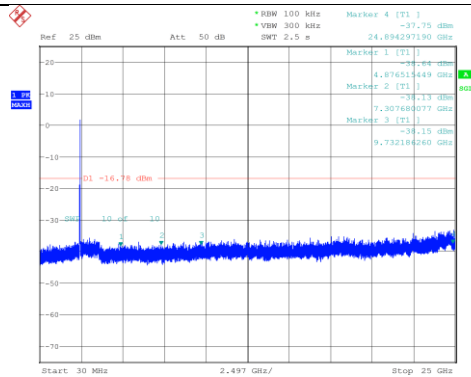
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



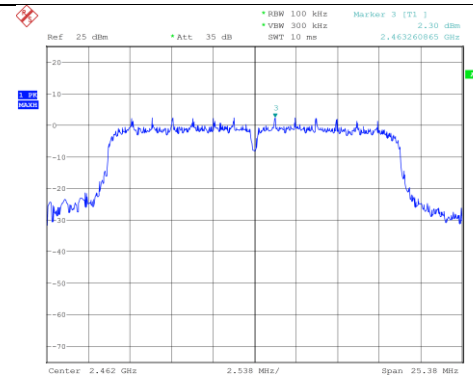
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



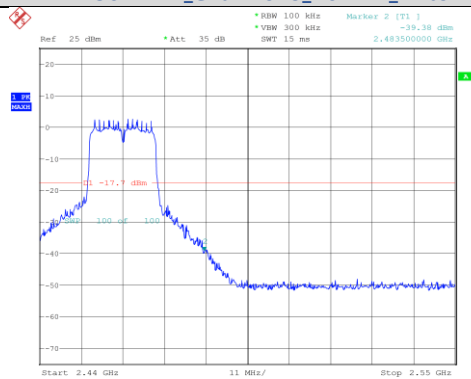




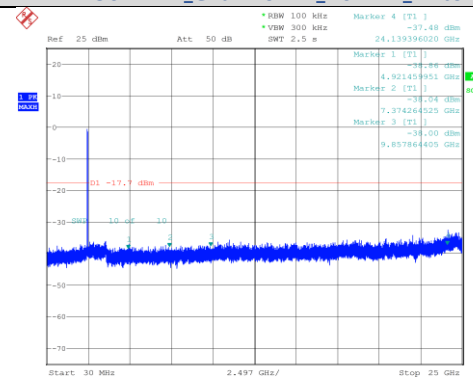
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



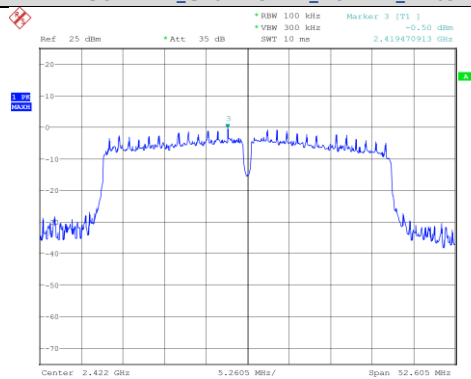
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



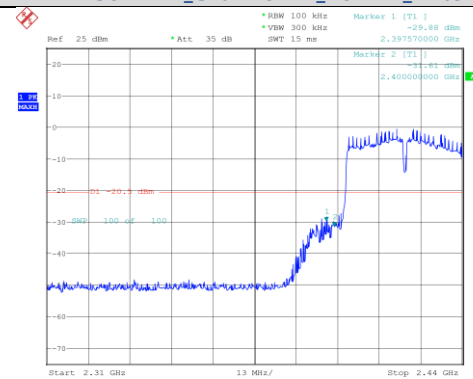
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



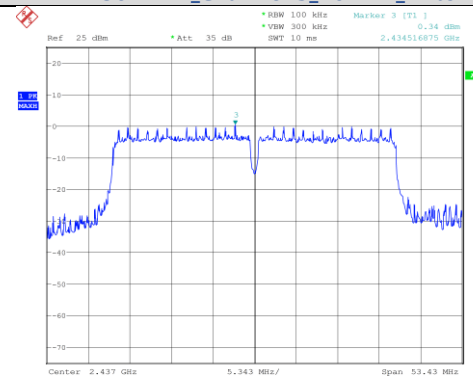
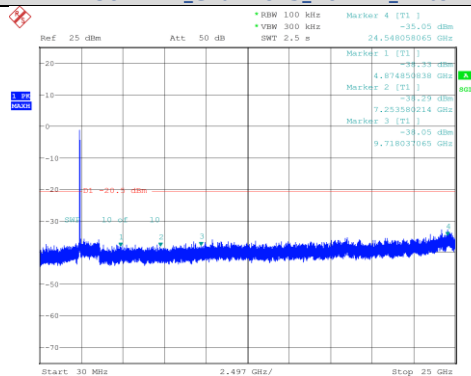
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0

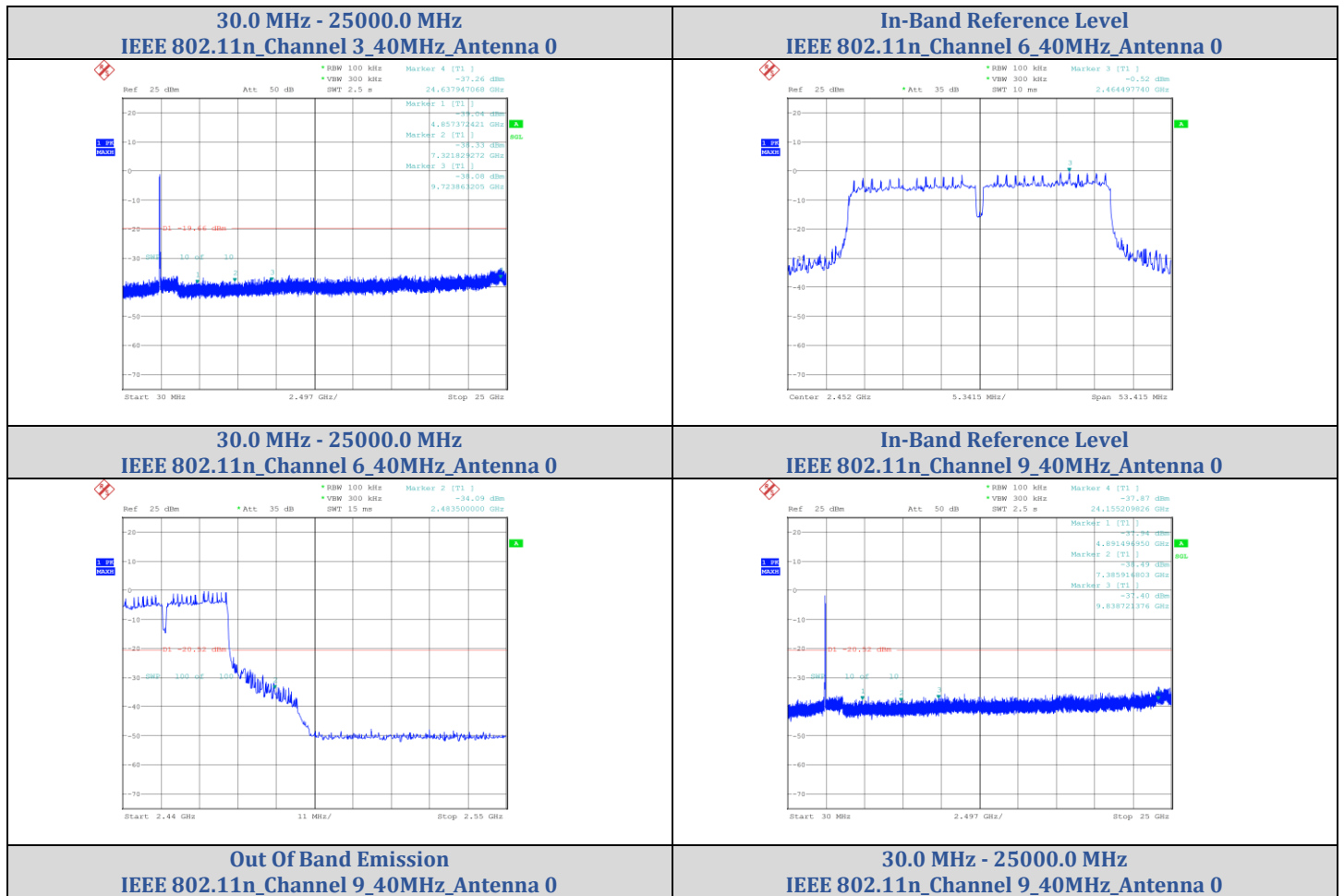


In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



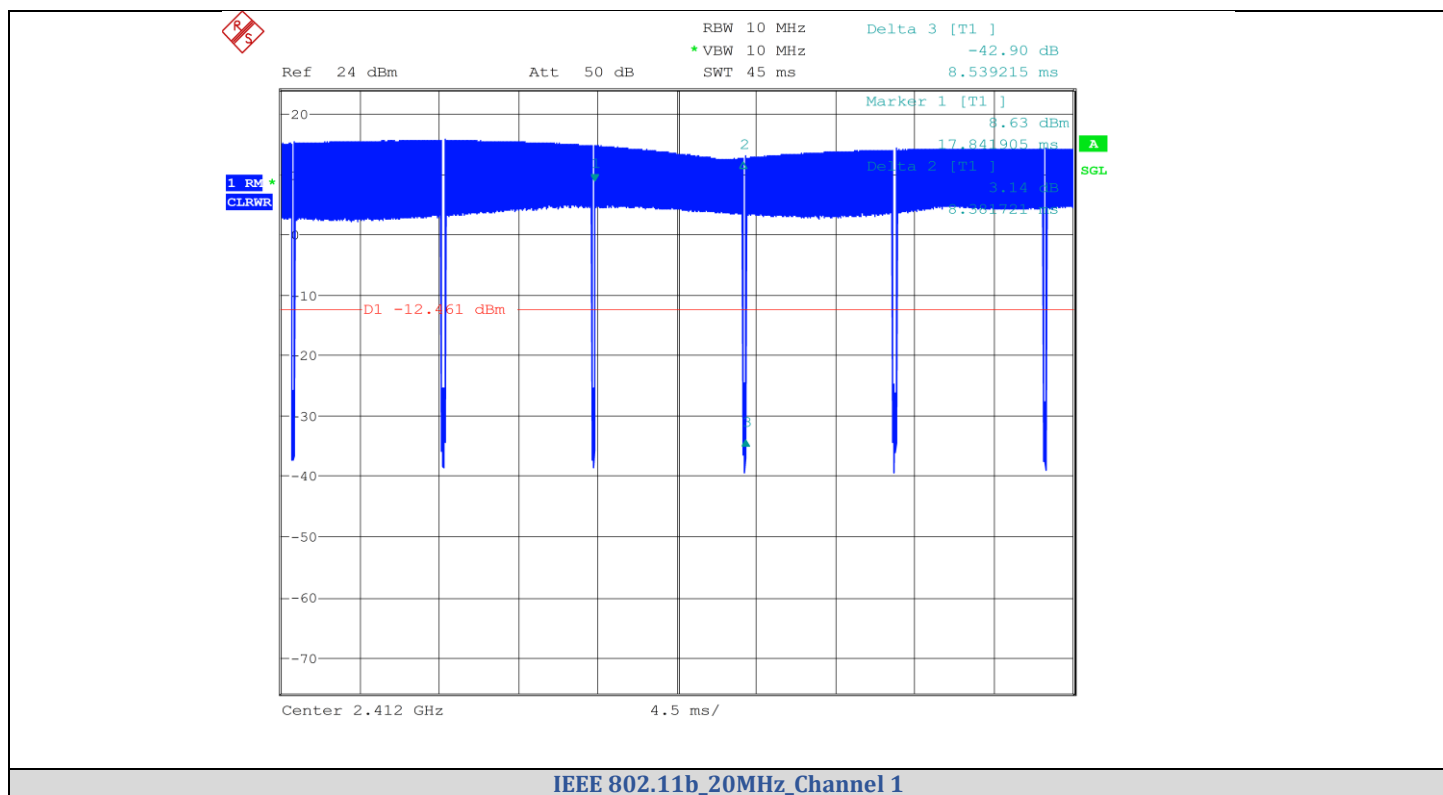


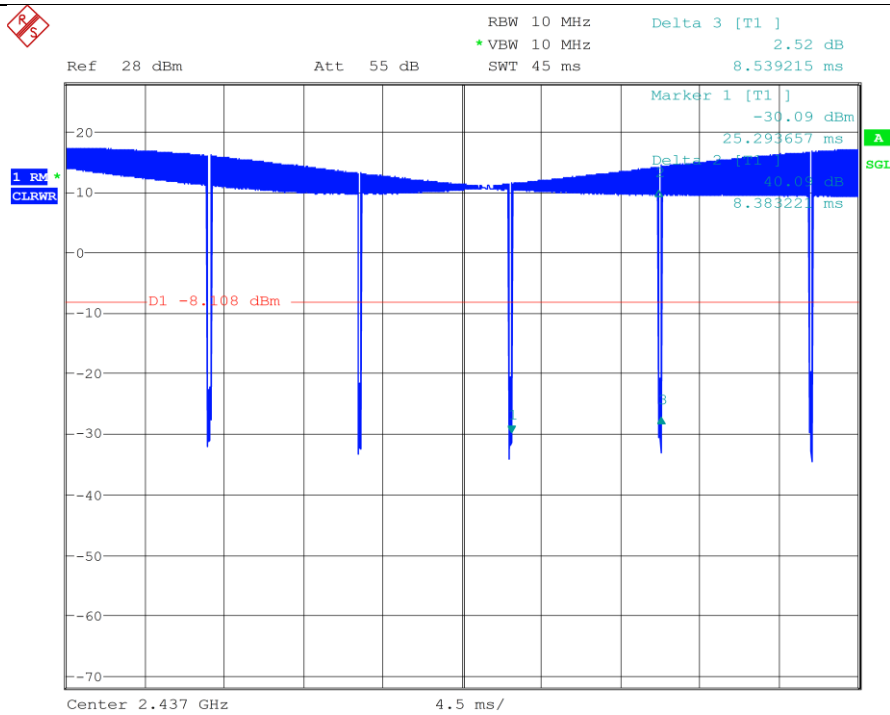
Duty Cycle

Test Result

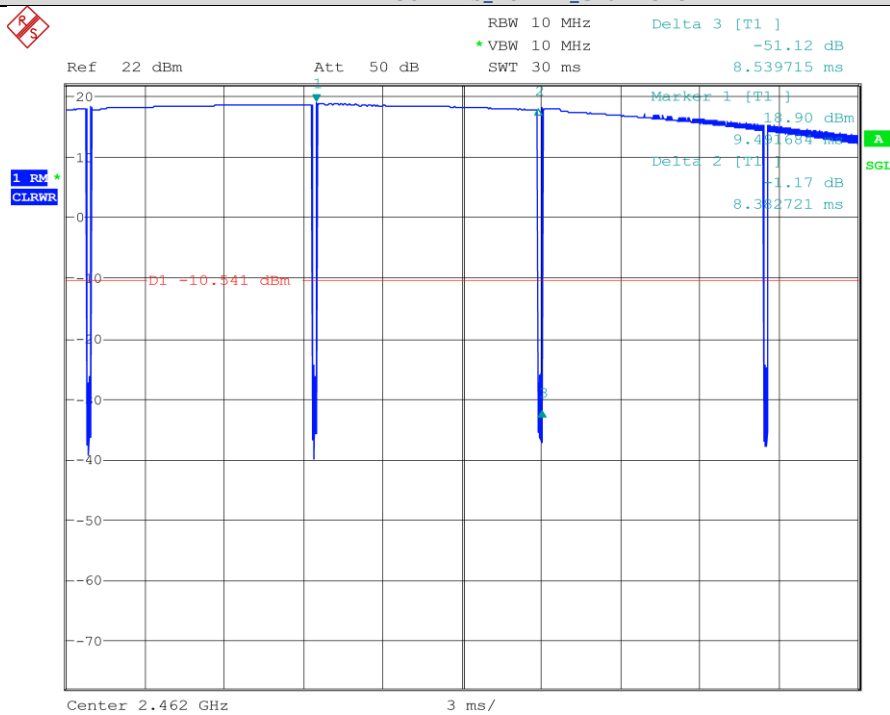
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	1	1	1	8.382	8.539	98.16	0.9816	0.0807
		6		8.383	8.539	98.17	0.9817	0.0802
		11		8.383	8.540	98.16	0.9816	0.0807
IEEE 802.11g		1		1.396	1.546	90.30	0.9030	0.4431
		6		1.396	1.555	89.77	0.8977	0.4687
		11		1.396	1.546	90.30	0.9030	0.4431
IEEE 802.11n_20	MCS 0	1		1.176	1.346	87.37	0.8737	0.5864
		6		1.176	1.328	88.55	0.8855	0.5281
		11		1.176	1.328	88.55	0.8855	0.5281
IEEE 802.11n_40		3		0.588	0.748	78.62	0.7862	1.0447
		6		0.588	0.739	79.62	0.7962	0.9898
		9		0.589	0.740	79.63	0.7963	0.9892

Test Graphs

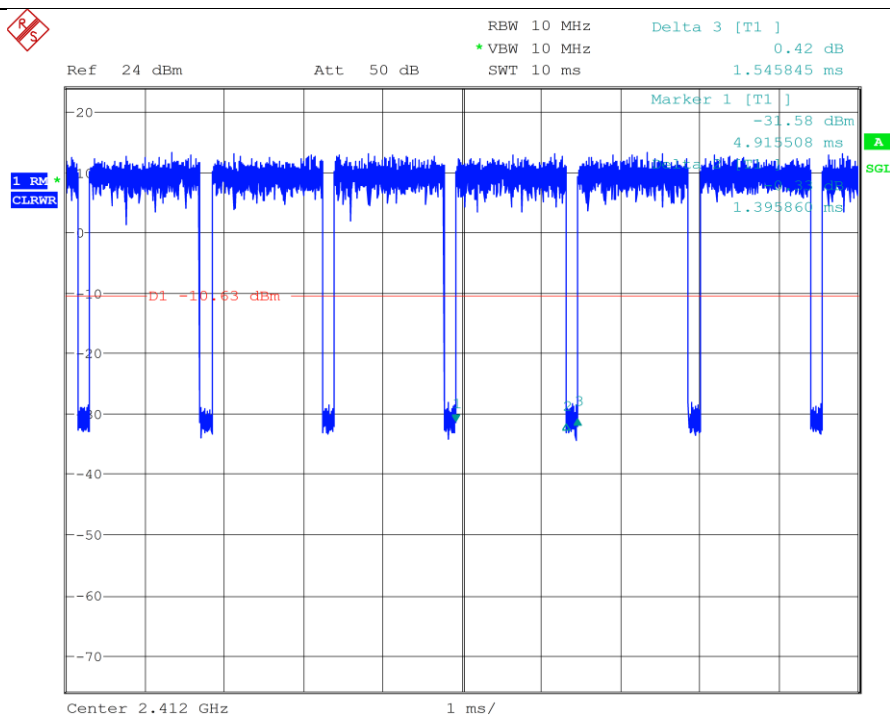




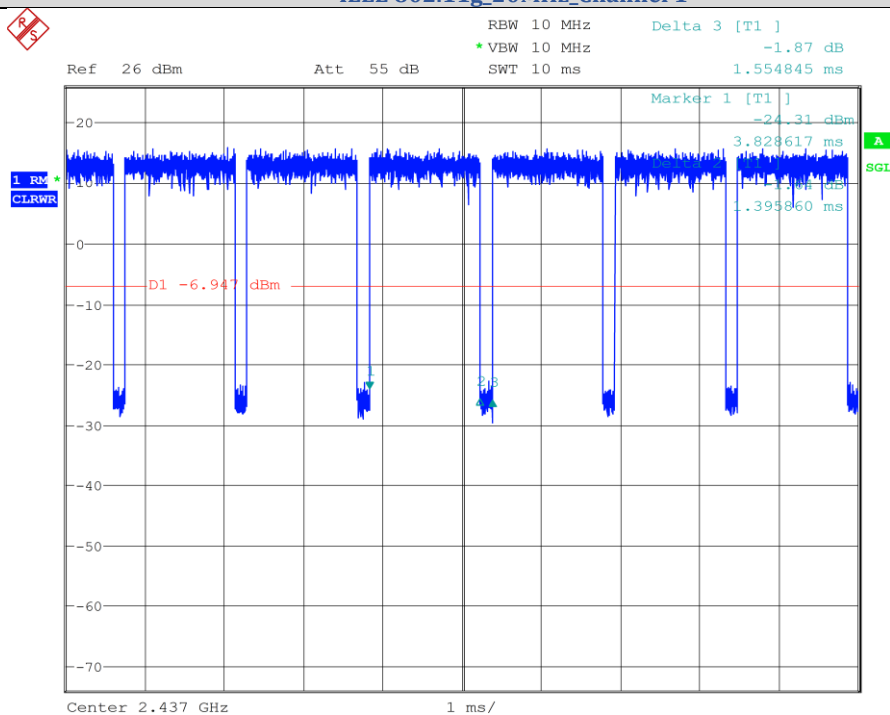
IEEE 802.11b_20MHz_Channel 6



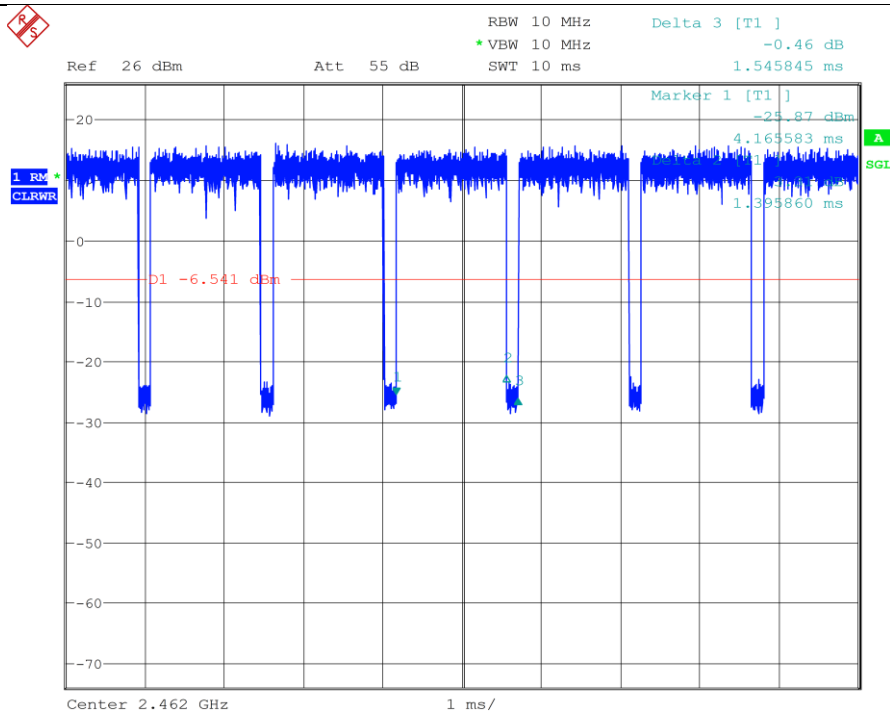
IEEE 802.11b_20MHz_Channel 11



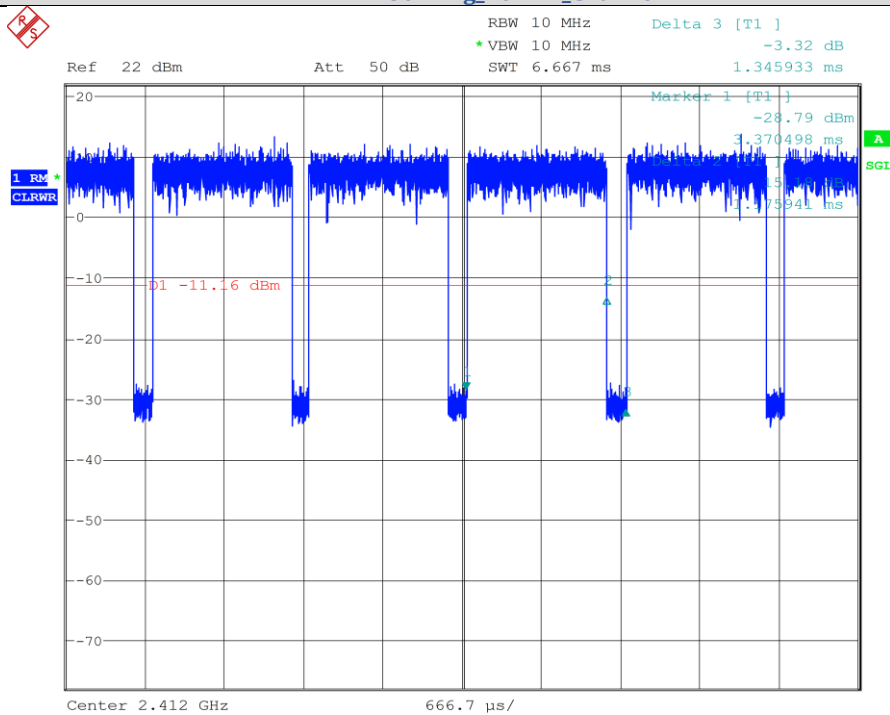
IEEE 802.11g_20MHz_Channel 1



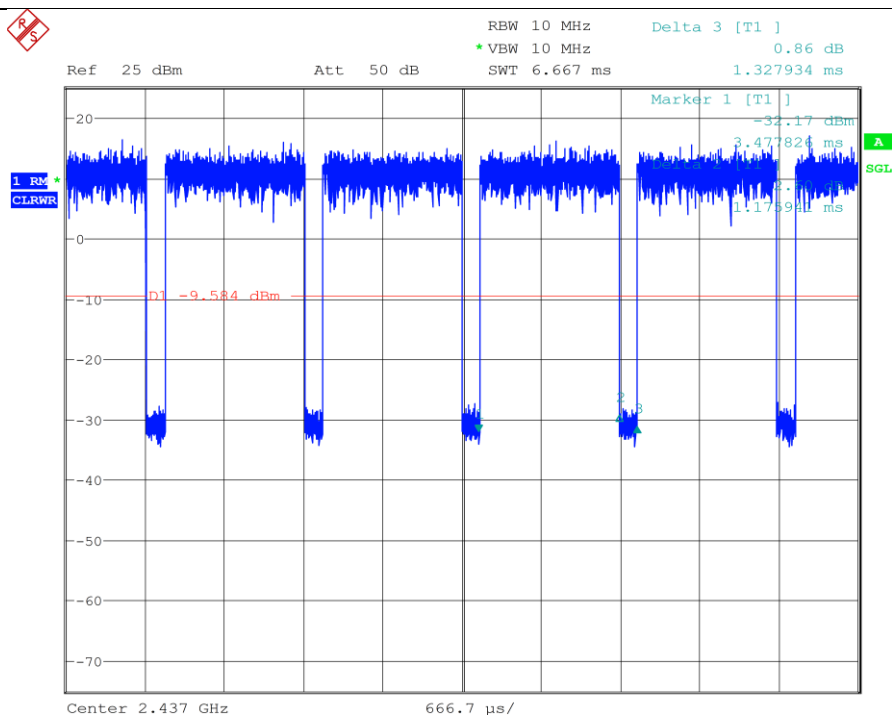
IEEE 802.11g_20MHz_Channel 6



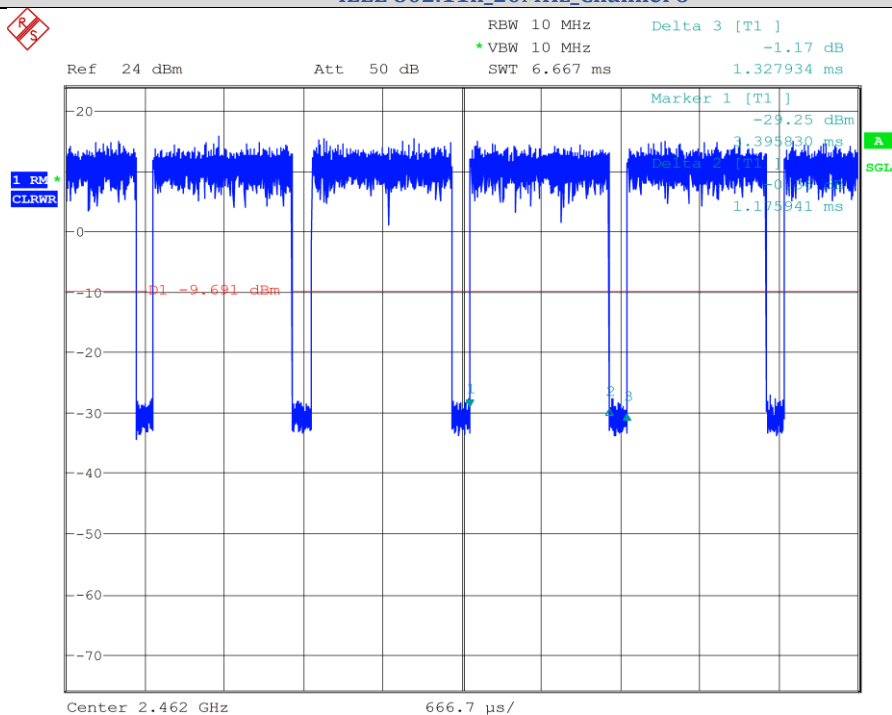
IEEE 802.11g_20MHz_Channel 11



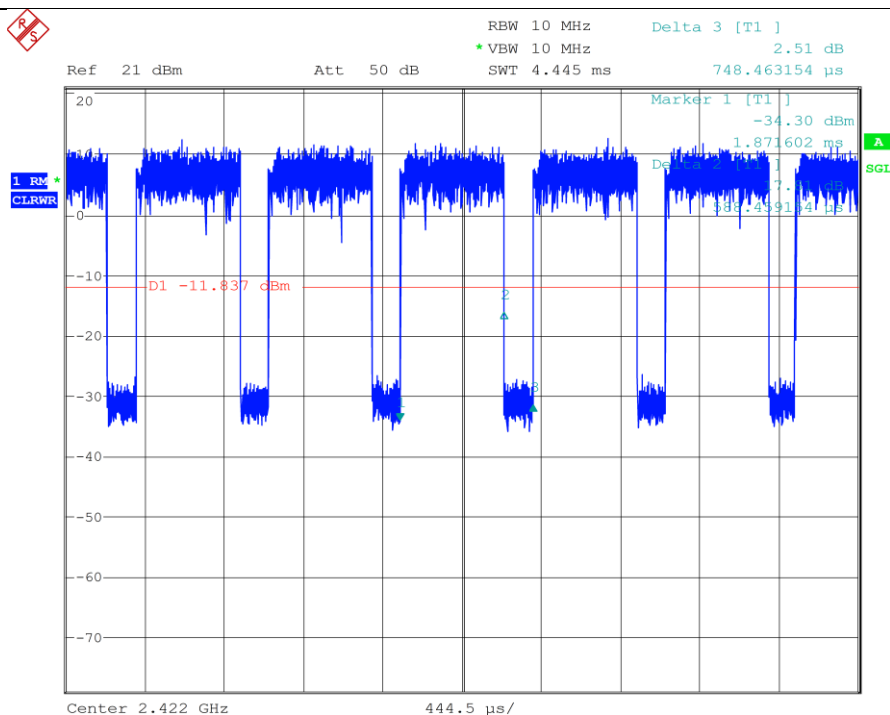
IEEE 802.11n_20MHz_Channel 1



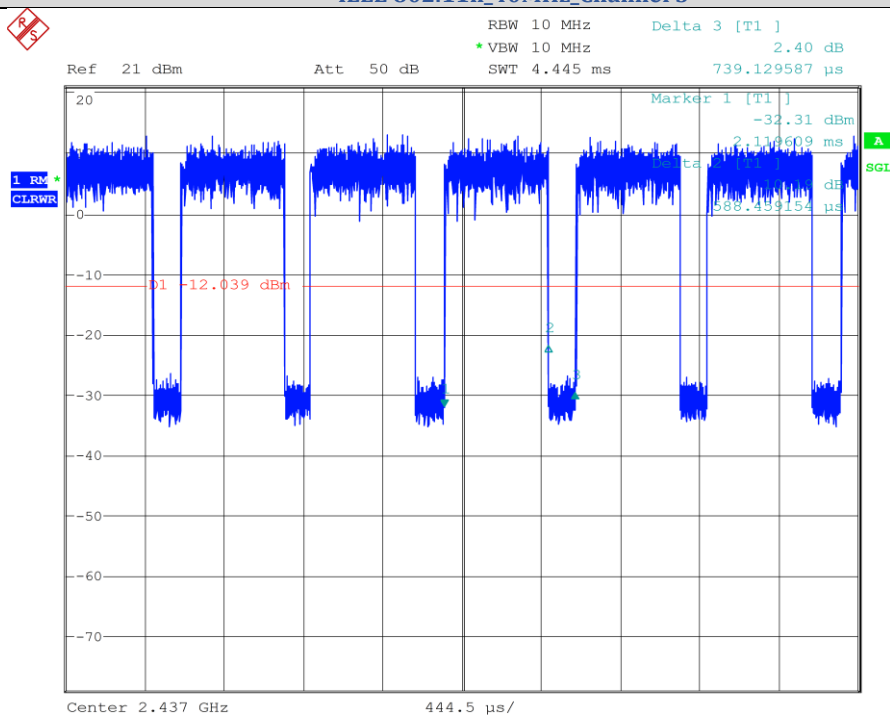
IEEE 802.11n_20MHz_Channel 6



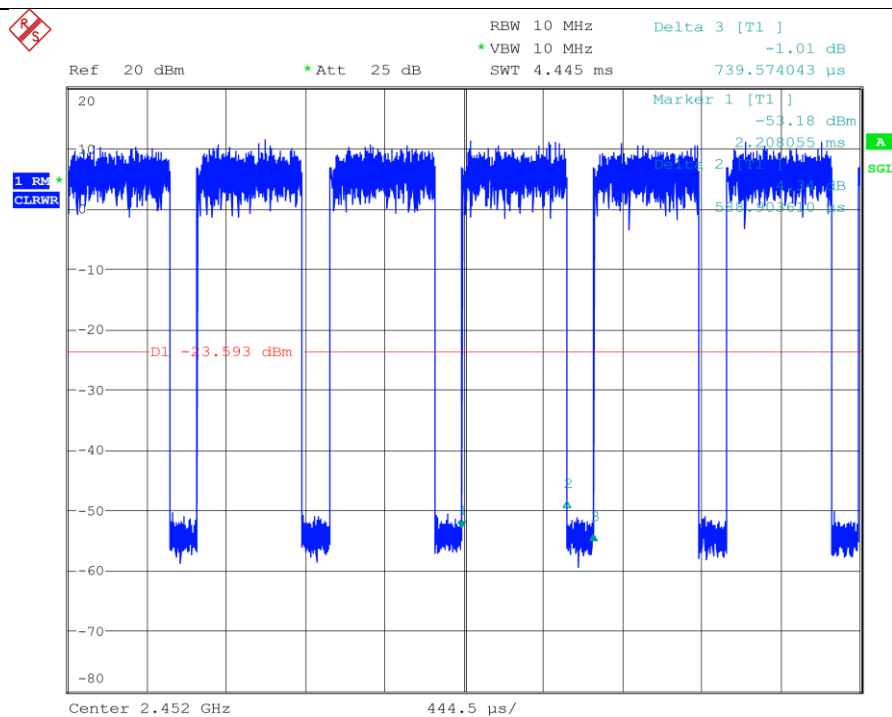
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



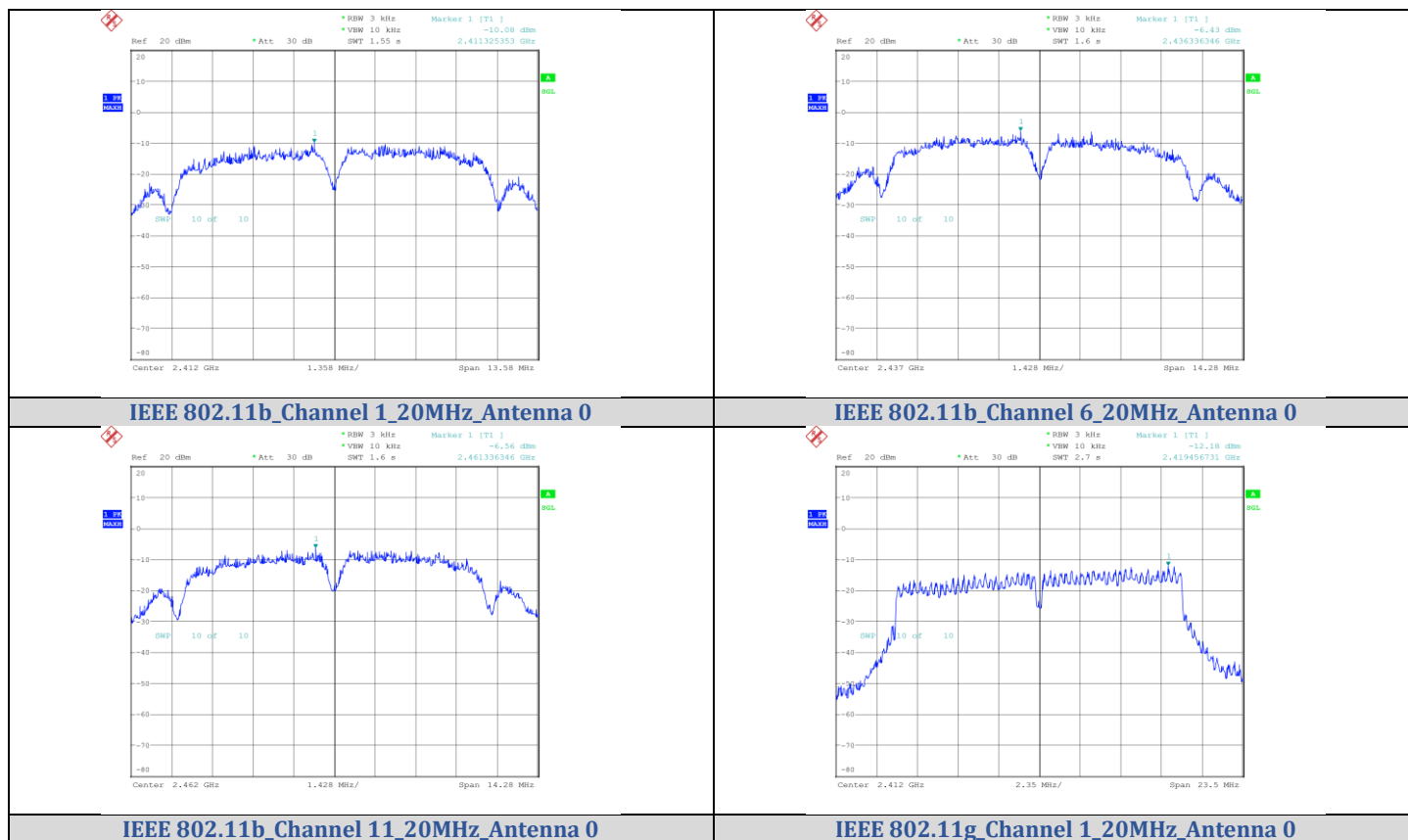
IEEE 802.11n_40MHz_Channel 9

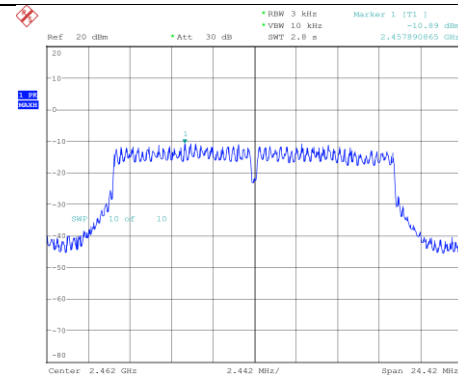
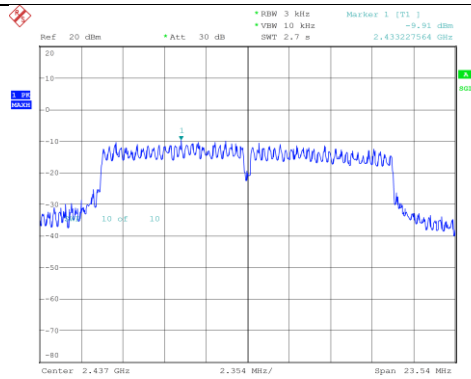
Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-10.084	≤8	PASS
	6	-6.430		PASS
	11	-6.558		PASS
IEEE 802.11g	1	-12.182		PASS
	6	-9.912		PASS
	11	-10.893		PASS
IEEE 802.11n_20	1	-13.460		PASS
	6	-10.998		PASS
	11	-11.361		PASS
IEEE 802.11n_40	3	-14.695		PASS
	6	-14.889		PASS
	9	-14.892		PASS

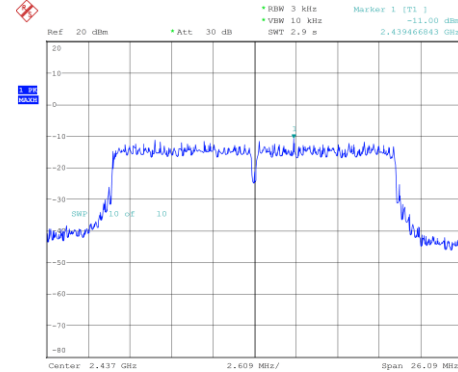
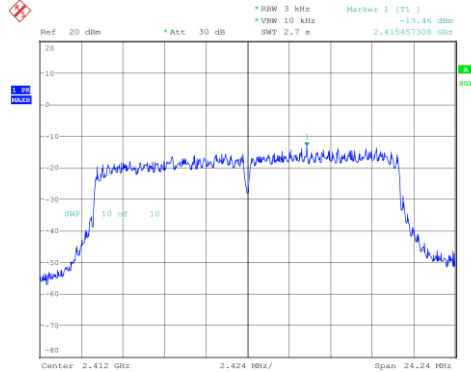
Test Graphs





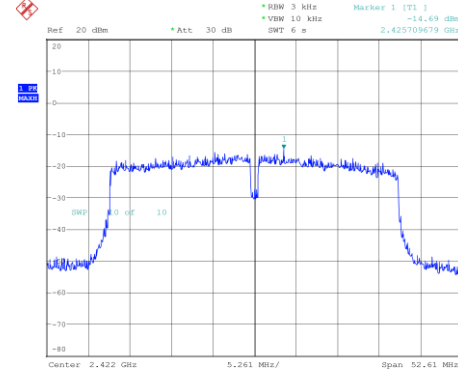
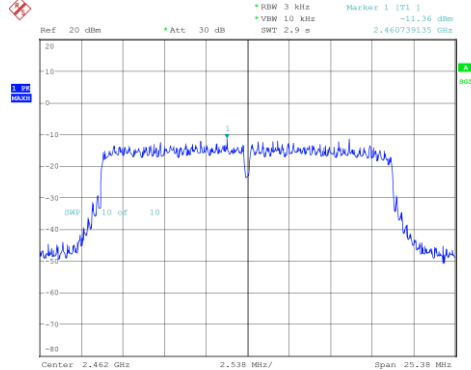
IEEE 802.11g_Channel 6_20MHz_Antenna 0

IEEE 802.11g_Channel 11_20MHz_Antenna 0



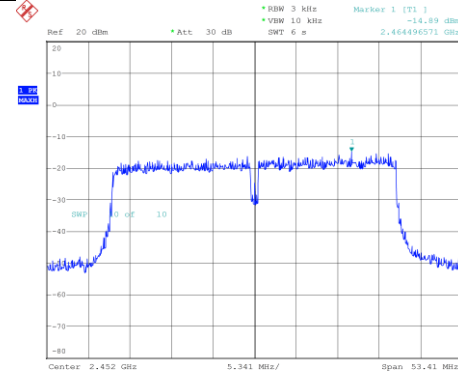
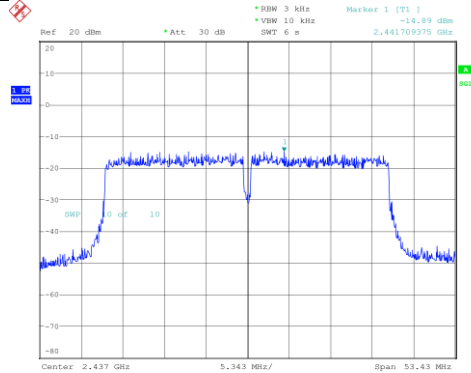
IEEE 802.11n_Channel 1_20MHz_Antenna 0

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