



Appendix B. Radiated Spurious Emission

Test Engineer :	J.C. Liang, Ricky Su, and Nick Yu	Temperature :	23~25°C
		Relative Humidity :	55~60%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		2332.05	64.15	-9.85	74	63.89	26.89	7.3	33.93	157	134	P	H
		2388.21	52.52	-1.48	54	52.02	27.05	7.45	34	157	134	A	H
	*	2412	121.36	-	-	120.83	27.09	7.45	34.01	157	134	P	H
	*	2412	116.41	-	-	115.88	27.09	7.45	34.01	157	134	A	H
													H
													H
		2331.69	61.91	-12.09	74	61.65	26.89	7.3	33.93	127	225	P	V
		2388.12	50.39	-3.61	54	49.89	27.05	7.45	34	127	225	A	V
	*	2412	117.25	-	-	116.72	27.09	7.45	34.01	127	225	P	V
	*	2412	112.97	-	-	112.44	27.09	7.45	34.01	127	225	A	V
													V
													V
802.11b CH 06 2437MHz		2356.62	61.02	-12.98	74	60.64	26.97	7.37	33.96	315	150	P	H
		2317.83	46.41	-7.59	54	46.15	26.89	7.3	33.93	315	150	A	H
	*	2437	119.31	-	-	118.69	27.18	7.49	34.05	315	150	P	H
	*	2437	114.61	-	-	113.99	27.18	7.49	34.05	315	150	A	H
		2492.36	56.6	-17.4	74	55.87	27.3	7.53	34.1	315	150	P	H
		2483.56	44.83	-9.17	54	44.12	27.26	7.53	34.08	315	150	A	H
		2357.34	61.37	-12.63	74	60.99	26.97	7.37	33.96	103	205	P	V
		2359.95	45.97	-8.03	54	45.59	26.97	7.37	33.96	103	205	A	V
	*	2437	116.69	-	-	116.07	27.18	7.49	34.05	103	205	P	V
	*	2437	112.54	-	-	111.92	27.18	7.49	34.05	103	205	A	V
		2493.4	57.43	-16.57	74	56.7	27.3	7.53	34.1	103	205	P	V
		2499.96	45.18	-8.82	54	44.45	27.3	7.53	34.1	103	205	A	V



802.11b CH 11 2462MHz	*	2462	118.43	-	-	117.75	27.22	7.53	34.07	273	153	P	H
	*	2462	114.18	-	-	113.5	27.22	7.53	34.07	273	153	A	H
		2483.68	60.83	-13.17	74	60.12	27.26	7.53	34.08	273	153	P	H
		2483.52	52	-2	54	51.29	27.26	7.53	34.08	273	153	A	H
													H
													H
	*	2462	116.6	-	-	115.92	27.22	7.53	34.07	100	193	P	V
	*	2462	112.56	-	-	111.88	27.22	7.53	34.07	100	193	A	V
		2483.6	59.98	-14.02	74	59.27	27.26	7.53	34.08	100	193	P	V
		2483.52	51.56	-2.44	54	50.85	27.26	7.53	34.08	100	193	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	46.44	-27.56	74	62.58	31.26	10.74	58.14	100	0	P	H
		12060	55.4	-18.6	74	55.29	38.92	19.02	57.83	100	217	P	H
		12060	45.96	-8.04	54	45.85	38.92	19.02	57.83	100	217	A	H
													H
		4824	47.25	-26.75	74	63.39	31.26	10.74	58.14	100	0	P	V
		12060	58.44	-15.56	74	58.33	38.92	19.02	57.83	100	158	P	V
		12060	51.02	-2.98	54	50.91	38.92	19.02	57.83	100	158	A	V
													V
802.11b CH 06 2437MHz		4874	46.15	-27.85	74	62.03	31.33	10.89	58.1	100	0	P	H
		7311	51.92	-22.08	74	60.76	36.07	14.18	59.09	311	238	P	H
		7311	45.32	-8.68	54	54.16	36.07	14.18	59.09	311	238	A	H
		12186	53.55	-20.45	74	53.52	38.77	19.14	57.88	167	250	P	H
		4874	47.89	-26.11	74	63.77	31.33	10.89	58.1	100	0	P	V
		7311	48.13	-25.87	74	56.97	36.07	14.18	59.09	100	0	P	V
		12186	55.53	-18.47	74	55.5	38.77	19.14	57.88	184	163	P	V
		12186	46.46	-7.54	54	46.43	38.77	19.14	57.88	184	163	A	V
802.11b CH 11 2462MHz		4926	50.45	-23.55	74	66.07	31.4	11.04	58.06	100	0	P	H
		7386	52.28	-21.72	74	60.84	36.31	14.27	59.14	292	238	P	H
		7386	43.93	-10.07	54	52.49	36.31	14.27	59.14	292	238	A	H
		12312	50.55	-23.45	74	50.61	38.63	19.23	57.92	100	0	P	H
		4926	50.29	-23.71	74	65.91	31.4	11.04	58.06	100	0	P	V
		7386	48.13	-25.87	74	56.69	36.31	14.27	59.14	100	0	P	V
		12312	55.43	-18.57	74	55.49	38.63	19.23	57.92	237	183	P	V
		12312	46.83	-7.17	54	46.89	38.63	19.23	57.92	237	183	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2387.49	70.96	-3.04	74	70.46	27.05	7.45	34	158	136	P	H
		2387.94	53.86	-0.14	54	53.36	27.05	7.45	34	158	136	A	H
	*	2412	114.68	-	-	114.15	27.09	7.45	34.01	158	136	P	H
	*	2412	104.33	-	-	103.8	27.09	7.45	34.01	158	136	A	H
													H
													H
		2388.48	71.12	-2.88	74	70.62	27.05	7.45	34	100	205	P	V
		2388.21	53.62	-0.38	54	53.12	27.05	7.45	34	100	205	A	V
	*	2412	112	-	-	111.47	27.09	7.45	34.01	100	205	P	V
	*	2412	102.3	-	-	101.77	27.09	7.45	34.01	100	205	A	V
													V
													V
802.11g CH 06 2437MHz		2362.02	61.71	-12.29	74	61.33	26.97	7.37	33.96	174	137	P	H
		2363.19	46.87	-7.13	54	46.49	26.97	7.37	33.96	174	137	A	H
	*	2437	113.9	-	-	113.28	27.18	7.49	34.05	174	137	P	H
	*	2437	103.92	-	-	103.3	27.18	7.49	34.05	174	137	A	H
		2484.88	58.19	-15.81	74	57.48	27.26	7.53	34.08	174	137	P	H
		2483.52	46.93	-7.07	54	46.22	27.26	7.53	34.08	174	137	A	H
		2361.03	60.11	-13.89	74	59.73	26.97	7.37	33.96	105	209	P	V
		2390	46.34	-7.66	54	45.84	27.05	7.45	34	105	209	A	V
	*	2437	112.44	-	-	111.82	27.18	7.49	34.05	105	209	P	V
	*	2437	102.6	-	-	101.98	27.18	7.49	34.05	105	209	A	V
		2487.4	56.99	-17.01	74	56.28	27.26	7.53	34.08	105	209	P	V
		2484.28	45.35	-8.65	54	44.64	27.26	7.53	34.08	105	209	A	V



802.11g CH 11 2462MHz	*	2462	113.25	-	-	112.57	27.22	7.53	34.07	167	136	P	H
	*	2462	103.23	-	-	102.55	27.22	7.53	34.07	167	136	A	H
		2483.6	70.66	-3.34	74	69.95	27.26	7.53	34.08	167	136	P	H
		2484	52.72	-1.28	54	52.01	27.26	7.53	34.08	167	136	A	H
													H
													H
	*	2462	111.08	-	-	110.4	27.22	7.53	34.07	383	212	P	V
	*	2462	101.29	-	-	100.61	27.22	7.53	34.07	383	212	A	V
		2486.04	67.53	-6.47	74	66.82	27.26	7.53	34.08	383	212	P	V
		2485.12	49.93	-4.07	54	49.22	27.26	7.53	34.08	383	212	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	39.51	-34.49	74	55.65	31.26	10.74	58.14	100	0	P	H
													H
													H
													H
		4824	39.17	-34.83	74	55.31	31.26	10.74	58.14	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4872	39.96	-34.04	74	55.84	31.33	10.89	58.1	100	0	P	H
		7308	45.49	-28.51	74	54.33	36.07	14.18	59.09	100	0	P	H
													H
													H
		4872	39.83	-34.17	74	55.71	31.33	10.89	58.1	100	0	P	V
		7308	43.48	-30.52	74	52.32	36.07	14.18	59.09	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4926	40.13	-33.87	74	55.75	31.4	11.04	58.06	100	0	P	H
		7386	44	-30	74	52.56	36.31	14.27	59.14	100	0	P	H
													H
													H
		4926	40.54	-33.46	74	56.16	31.4	11.04	58.06	100	0	P	V
		7386	43.96	-30.04	74	52.52	36.31	14.27	59.14	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2389.38	67.07	-6.93	74	66.57	27.05	7.45	34	357	157	P	H
		2390	53.32	-0.68	54	52.82	27.05	7.45	34	357	157	A	H
	*	2412	112.47	-	-	111.94	27.09	7.45	34.01	357	157	P	H
	*	2412	102.35	-	-	101.82	27.09	7.45	34.01	357	157	A	H
													H
													H
		2389.65	65.43	-8.57	74	64.93	27.05	7.45	34	100	210	P	V
		2389.92	51.72	-2.28	54	51.22	27.05	7.45	34	100	210	A	V
	*	2412	110.92	-	-	110.39	27.09	7.45	34.01	100	210	P	V
	*	2412	100.84	-	-	100.31	27.09	7.45	34.01	100	210	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2349.69	59.14	-14.86	74	58.78	26.93	7.37	33.94	312	136	P	H
		2359.95	46.79	-7.21	54	46.41	26.97	7.37	33.96	312	136	A	H
	*	2437	113.87	-	-	113.25	27.18	7.49	34.05	312	136	P	H
	*	2437	104.01	-	-	103.39	27.18	7.49	34.05	312	136	A	H
		2485.36	58.38	-15.62	74	57.67	27.26	7.53	34.08	312	136	P	H
		2484.28	47.02	-6.98	54	46.31	27.26	7.53	34.08	312	136	A	H
		2353.47	58.62	-15.38	74	58.24	26.97	7.37	33.96	108	209	P	V
		2389.47	47.42	-6.58	54	46.92	27.05	7.45	34	108	209	A	V
	*	2437	113.52	-	-	112.9	27.18	7.49	34.05	108	209	P	V
	*	2437	102.78	-	-	102.16	27.18	7.49	34.05	108	209	A	V
		2488.44	57.64	-16.36	74	56.91	27.3	7.53	34.1	108	209	P	V
		2499.84	46.01	-7.99	54	45.28	27.3	7.53	34.1	108	209	A	V



802.11n HT20 CH 11 2462MHz	*	2462	112.4	-	-	111.72	27.22	7.53	34.07	270	124	P	H
	*	2462	102.45	-	-	101.77	27.22	7.53	34.07	270	124	A	H
		2485.4	69.7	-4.3	74	68.99	27.26	7.53	34.08	270	124	P	H
		2483.52	53.07	-0.93	54	52.36	27.26	7.53	34.08	270	124	A	H
													H
													H
	*	2462	110.63	-	-	109.95	27.22	7.53	34.07	100	206	P	V
	*	2462	100.71	-	-	100.03	27.22	7.53	34.07	100	206	A	V
		2483.84	63.34	-10.66	74	62.63	27.26	7.53	34.08	100	206	P	V
		2483.56	49.49	-4.51	54	48.78	27.26	7.53	34.08	100	206	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	38.06	-35.94	74	54.2	31.26	10.74	58.14	100	0	P	H
													H
													H
													H
		4824	37.89	-36.11	74	54.03	31.26	10.74	58.14	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4872	39.62	-34.38	74	55.5	31.33	10.89	58.1	100	0	P	H
		7308	44.49	-29.51	74	53.33	36.07	14.18	59.09	100	0	P	H
													H
													H
		4872	38.68	-35.32	74	54.56	31.33	10.89	58.1	100	0	P	V
		7308	43.1	-30.9	74	51.94	36.07	14.18	59.09	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4926	39.1	-34.9	74	54.72	31.4	11.04	58.06	100	0	P	H
		7386	43.93	-30.07	74	52.49	36.31	14.27	59.14	100	0	P	H
													H
													H
		4926	39.46	-34.54	74	55.08	31.4	11.04	58.06	100	0	P	V
		7386	43.51	-30.49	74	52.07	36.31	14.27	59.14	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2383.08	66.61	-7.39	74	66.13	27.01	7.45	33.98	181	137	P	H
		2388.3	52.58	-1.42	54	52.08	27.05	7.45	34	181	137	A	H
	*	2422	105.9	-	-	105.31	27.13	7.49	34.03	181	137	P	H
	*	2422	96.66	-	-	96.07	27.13	7.49	34.03	181	137	A	H
		2485.36	58.51	-15.49	74	57.8	27.26	7.53	34.08	181	137	P	H
		2492.96	46.37	-7.63	54	45.64	27.3	7.53	34.1	181	137	A	H
		2389.65	69.1	-4.9	74	68.6	27.05	7.45	34	100	211	P	V
		2389.47	52.88	-1.12	54	52.38	27.05	7.45	34	100	211	A	V
	*	2422	104.63	-	-	104.04	27.13	7.49	34.03	100	211	P	V
	*	2422	95.34	-	-	94.75	27.13	7.49	34.03	100	211	A	V
		2486.28	56.8	-17.2	74	56.09	27.26	7.53	34.08	100	211	P	V
		2486.84	45.96	-8.04	54	45.25	27.26	7.53	34.08	100	211	A	V
802.11n HT40 CH 06 2437MHz		2389.92	65.75	-8.25	74	65.25	27.05	7.45	34	319	154	P	H
		2389.65	53.16	-0.84	54	52.66	27.05	7.45	34	319	154	A	H
	*	2437	109.83	-	-	109.21	27.18	7.49	34.05	319	154	P	H
	*	2437	100.23	-	-	99.61	27.18	7.49	34.05	319	154	A	H
		2486.8	63.22	-10.78	74	62.51	27.26	7.53	34.08	319	154	P	H
		2486.08	49	-5	54	48.29	27.26	7.53	34.08	319	154	A	H
		2389.56	64.92	-9.08	74	64.42	27.05	7.45	34	103	206	P	V
		2389.92	52.7	-1.3	54	52.2	27.05	7.45	34	103	206	A	V
	*	2437	107.9	-	-	107.28	27.18	7.49	34.05	103	206	P	V
	*	2437	98.29	-	-	97.67	27.18	7.49	34.05	103	206	A	V
		2486.44	61.93	-12.07	74	61.22	27.26	7.53	34.08	103	206	P	V
		2490.16	47.95	-6.05	54	47.22	27.3	7.53	34.1	103	206	A	V



802.11n HT40 CH 09 2452MHz		2359.77	57.52	-16.48	74	57.14	26.97	7.37	33.96	385	129	P	H
		2359.77	47.7	-6.3	54	47.32	26.97	7.37	33.96	385	129	A	H
	*	2452	108.19	-	-	107.57	27.18	7.49	34.05	385	129	P	H
	*	2452	98.56	-	-	97.94	27.18	7.49	34.05	385	129	A	H
		2483.52	65.69	-8.31	74	64.98	27.26	7.53	34.08	385	129	P	H
		2483.6	53.52	-0.48	54	52.81	27.26	7.53	34.08	385	129	A	H
		2367.42	58.93	-15.07	74	58.55	26.97	7.37	33.96	117	203	P	V
		2360.04	47.88	-6.12	54	47.5	26.97	7.37	33.96	117	203	A	V
	*	2452	106.2	-	-	105.58	27.18	7.49	34.05	117	203	P	V
	*	2452	96.72	-	-	96.1	27.18	7.49	34.05	117	203	A	V
		2483.88	64.94	-9.06	74	64.23	27.26	7.53	34.08	117	203	P	V
		2483.52	53.1	-0.9	54	52.39	27.26	7.53	34.08	117	203	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4842	37.45	-36.55	74	53.55	31.28	10.74	58.12	100	0	P	H
		7266	43.08	-30.92	74	52.04	35.97	14.14	59.07	100	0	P	H
													H
													H
		4842	37.49	-36.51	74	53.59	31.28	10.74	58.12	100	0	P	V
		7266	43.52	-30.48	74	52.48	35.97	14.14	59.07	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4872	37.96	-36.04	74	53.84	31.33	10.89	58.1	100	0	P	H
		7308	43.51	-30.49	74	52.35	36.07	14.18	59.09	100	0	P	H
													H
													H
		4872	38.02	-35.98	74	53.9	31.33	10.89	58.1	100	0	P	V
		7308	43.17	-30.83	74	52.01	36.07	14.18	59.09	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4902	38.18	-35.82	74	53.83	31.38	11.04	58.07	100	0	P	H
		7356	43.83	-30.17	74	52.52	36.21	14.22	59.12	100	0	P	H
													H
													H
		4902	37.97	-36.03	74	53.62	31.38	11.04	58.07	100	0	P	V
		7356	43.48	-30.52	74	52.17	36.21	14.22	59.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11b Adapter mode (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b LF		95.61	38.12	-5.38	43.5	51.96	15.52	1.06	30.42			P	H
		122.88	36.84	-6.66	43.5	48.07	17.72	1.43	30.38			P	H
		179.85	39.59	-3.91	43.5	52.81	15.35	1.75	30.32	123	253	P	H
		374.9	29.16	-16.84	46	35.17	21.61	2.44	30.06			P	H
		489.7	33.59	-12.41	46	36.53	23.81	3.08	29.83			P	H
		624.8	34.53	-11.47	46	34.85	25.69	3.61	29.62			P	H
													H
													H
													H
													H
													H
													H
		42.68	36.16	-3.84	40	47.13	18.62	0.78	30.37	100	72	QP	V
		58.35	29.41	-10.59	40	46.67	12.42	0.78	30.46	100	255	QP	V
		151.23	39.05	-4.45	43.5	50.2	17.45	1.75	30.35			P	V
		314	36.45	-9.55	46	44.31	19.93	2.34	30.13			P	V
		442.8	39.45	-6.55	46	43.52	22.98	2.89	29.94			P	V
		624.8	34.12	-11.88	46	34.44	25.69	3.61	29.62			P	V
													V
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													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11b POE mode (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b LF		63.21	33.32	-6.68	40	50.76	11.95	1.06	30.45	124	241	P	H
		93.72	35.14	-8.36	43.5	49.22	15.28	1.06	30.42			P	H
		197.13	30.79	-12.71	43.5	43.74	15.65	1.7	30.3			P	H
		328.7	28.73	-17.27	46	36.14	20.37	2.34	30.12			P	H
		504.4	32.84	-13.16	46	35.41	24.04	3.19	29.8			P	H
		624.8	37.27	-8.73	46	37.59	25.69	3.61	29.62			P	H
													H
													H
													H
													H
													H
													H
		38.32	35.44	-4.56	40	44.11	20.86	0.78	30.31	100	152	QP	V
		62.49	29.91	-10.09	40	47.4	11.9	1.06	30.45	100	28	QP	V
		194.7	38.05	-5.45	43.5	51.11	15.55	1.7	30.31			P	V
		447	29.5	-16.5	46	33.49	23.05	2.89	29.93			P	V
		624.8	33.61	-12.39	46	33.93	25.69	3.61	29.62			P	V
		855.1	30.55	-15.45	46	26.97	28.63	4.28	29.33			P	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.