



Appendix B. Radiated Spurious Emission

Test Engineer :	Nick Yu	Temperature :	22~24°C
		Relative Humidity :	53~56%

<For Sample 1>

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11b CH 01 2412MHz		2384.79	55.92	-18.08	74	56.58	27.19	5.39	33.24	285	68	P	H
		2385.06	46.79	-7.21	54	47.45	27.19	5.39	33.24	285	68	A	H
	*	2413.193	108.9	-	-	109.42	27.28	5.42	33.22	285	68	P	H
	*	2413.277	106.31	-	-	106.83	27.28	5.42	33.22	285	68	A	H
													H
													H
		2386.68	53.97	-20.03	74	54.59	27.23	5.39	33.24	191	30	P	V
		2384.88	45.06	-8.94	54	45.72	27.19	5.39	33.24	191	30	A	V
	*	2413.11	105.97	-	-	106.49	27.28	5.42	33.22	191	30	P	V
	*	2413.193	103.37	-	-	103.89	27.28	5.42	33.22	191	30	A	V
													V
													V
802.11b CH 06 2437MHz		2368.68	53.68	-20.32	74	54.34	27.19	5.39	33.24	279	72	P	H
		2389.56	43.37	-10.63	54	43.99	27.23	5.39	33.24	279	72	A	H
	*	2435.905	108.22	-	-	108.69	27.32	5.42	33.21	279	72	P	H
	*	2435.905	104.65	-	-	105.12	27.32	5.42	33.21	279	72	A	H
		2483.92	53.17	-20.83	74	53.43	27.46	5.46	33.18	279	72	P	H
		2483.84	43.18	-10.82	54	43.44	27.46	5.46	33.18	279	72	A	H
		2374.89	52.71	-21.29	74	53.37	27.19	5.39	33.24	249	30	P	V
		2389.11	43.19	-10.81	54	43.81	27.23	5.39	33.24	249	30	A	V
	*	2435.905	105.72	-	-	106.19	27.32	5.42	33.21	249	30	P	V
	*	2435.905	103.16	-	-	103.63	27.32	5.42	33.21	249	30	A	V
		2487.48	53.76	-20.24	74	54.02	27.46	5.46	33.18	249	30	P	V
		2484.16	42.9	-11.1	54	43.16	27.46	5.46	33.18	249	30	A	V



802.11b CH 11 2462MHz	*	2460.788	107.84	-	-	108.19	27.41	5.44	33.2	271	71	P	H
	*	2460.872	105.18	-	-	105.53	27.41	5.44	33.2	271	71	A	H
		2487.84	55.35	-18.65	74	55.57	27.5	5.46	33.18	271	71	P	H
		2483.68	44.89	-9.11	54	45.15	27.46	5.46	33.18	271	71	A	H
													H
													H
	*	2460.872	105.05	-	-	105.4	27.41	5.44	33.2	278	334	P	V
	*	2460.872	102.57	-	-	102.92	27.41	5.44	33.2	278	334	A	V
		2484.6	53.73	-20.27	74	53.99	27.46	5.46	33.18	278	334	P	V
		2483.76	44	-10	54	44.26	27.46	5.46	33.18	278	334	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	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	46.37	-27.63	74	67.94	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	48.32	-25.68	74	69.89	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4872	46.34	-27.66	74	67.6	31.56	7.7	60.52	100	0	P	H
		7308	43.49	-30.51	74	58.75	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	47.6	-26.4	74	68.86	31.56	7.7	60.52	100	0	P	V
		7308	43.2	-30.8	74	58.46	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4926	47.09	-26.91	74	67.92	31.66	7.93	60.42	100	0	P	H
		7386	43.33	-30.67	74	58.62	36.37	9.53	61.19	100	0	P	H
													H
													H
		4926	47.04	-26.96	74	67.87	31.66	7.93	60.42	100	0	P	V
		7386	43.76	-30.24	74	59.05	36.37	9.53	61.19	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 802.11g (Band Edge @ 3m)

WIFI Ant. 1	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		2385.51	56.22	-17.78	74	56.84	27.23	5.39	33.24	287	68	P	H
		2389.92	45.67	-8.33	54	46.27	27.23	5.39	33.22	287	68	A	H
	*	2413.78	105.13	-	-	105.65	27.28	5.42	33.22	287	68	P	H
	*	2413.36	97.33	-	-	97.85	27.28	5.42	33.22	287	68	A	H
													H
													H
		2389.29	54.86	-19.14	74	55.48	27.23	5.39	33.24	293	29	P	V
		2390	44.36	-9.64	54	44.96	27.23	5.39	33.22	293	29	A	V
	*	2413.694	103.02	-	-	103.54	27.28	5.42	33.22	293	29	P	V
	*	2413.193	94.98	-	-	95.5	27.28	5.42	33.22	293	29	A	V
													V
													V
802.11g CH 06 2437MHz		2389.29	58.5	-15.5	74	59.12	27.23	5.39	33.24	283	66	P	H
		2389.56	44.53	-9.47	54	45.15	27.23	5.39	33.24	283	66	A	H
	*	2435.404	109.24	-	-	109.71	27.32	5.42	33.21	283	66	P	H
	*	2435.237	101.89	-	-	102.36	27.32	5.42	33.21	283	66	A	H
		2485	56.12	-17.88	74	56.38	27.46	5.46	33.18	283	66	P	H
		2484.28	43.61	-10.39	54	43.87	27.46	5.46	33.18	283	66	A	H
		2387.31	55.37	-18.63	74	55.99	27.23	5.39	33.24	116	31	P	V
		2390	43.59	-10.41	54	44.19	27.23	5.39	33.22	116	31	A	V
	*	2439.078	107.37	-	-	107.79	27.37	5.42	33.21	116	31	P	V
	*	2435.738	99.36	-	-	99.83	27.32	5.42	33.21	116	31	A	V
		2497.12	53.59	-20.41	74	53.8	27.5	5.46	33.17	116	31	P	V
		2484.6	43.33	-10.67	54	43.59	27.46	5.46	33.18	116	31	A	V



802.11g CH 11 2462MHz	*	2460.368	104.41	-	-	104.76	27.41	5.44	33.2	282	70	P	H
	*	2460.953	97.2	-	-	97.55	27.41	5.44	33.2	282	70	A	H
		2483.56	56.23	-17.77	74	56.49	27.46	5.46	33.18	282	70	P	H
		2483.52	45.24	-8.76	54	45.5	27.46	5.46	33.18	282	70	A	H
													H
													H
	*	2463.211	103.79	-	-	104.14	27.41	5.44	33.2	249	29	P	V
	*	2460.454	95.54	-	-	95.89	27.41	5.44	33.2	249	29	A	V
		2483.64	56.24	-17.76	74	56.5	27.46	5.46	33.18	249	29	P	V
		2483.52	44.66	-9.34	54	44.92	27.46	5.46	33.18	249	29	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	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	38.86	-35.14	74	60.43	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	37.99	-36.01	74	59.56	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	46.11	-27.89	74	67.37	31.56	7.7	60.52	100	0	P	H
		7308	43.16	-30.84	74	58.42	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	45.75	-28.25	74	67.01	31.56	7.7	60.52	100	0	P	V
		7308	43.13	-30.87	74	58.39	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4926	38.96	-35.04	74	59.79	31.66	7.93	60.42	100	0	P	H
		7386	42.71	-31.29	74	58	36.37	9.53	61.19	100	0	P	H
													H
													H
		4926	38.23	-35.77	74	59.06	31.66	7.93	60.42	100	0	P	V
		7386	42.19	-31.81	74	57.48	36.37	9.53	61.19	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	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		2386.14	56.66	-17.34	74	57.28	27.23	5.39	33.24	289	68	P	H
		2389.83	46.37	-7.63	54	46.97	27.23	5.39	33.22	289	68	A	H
	*	2413.448	104.61	-	-	105.13	27.28	5.42	33.22	289	68	P	H
	*	2413.945	96.9	-	-	97.42	27.28	5.42	33.22	289	68	A	H
													H
													H
		2389.47	56.6	-17.4	74	57.22	27.23	5.39	33.24	292	29	P	V
		2390	44.82	-9.18	54	45.42	27.23	5.39	33.22	292	29	A	V
	*	2410.604	102.08	-	-	102.6	27.28	5.42	33.22	292	29	P	V
	*	2413.444	94.82	-	-	95.34	27.28	5.42	33.22	292	29	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2388.84	58.61	-15.39	74	59.23	27.23	5.39	33.24	288	67	P	H
		2389.92	44.99	-9.01	54	45.59	27.23	5.39	33.22	288	67	A	H
	*	2438.329	108.71	-	-	109.13	27.37	5.42	33.21	288	67	P	H
	*	2435.237	101.05	-	-	101.52	27.32	5.42	33.21	288	67	A	H
		2484.24	54.48	-19.52	74	54.74	27.46	5.46	33.18	288	67	P	H
		2486.04	43.27	-10.73	54	43.53	27.46	5.46	33.18	288	67	A	H
		2388.84	58.79	-15.21	74	59.41	27.23	5.39	33.24	287	31	P	V
		2389.38	43.63	-10.37	54	44.25	27.23	5.39	33.24	287	31	A	V
	*	2435.404	106.36	-	-	106.83	27.32	5.42	33.21	287	31	P	V
	*	2435.321	99.08	-	-	99.55	27.32	5.42	33.21	287	31	A	V
		2484.32	54.95	-19.05	74	55.21	27.46	5.46	33.18	287	31	P	V
		2484.6	43.1	-10.9	54	43.36	27.46	5.46	33.18	287	31	A	V



802.11n HT20 CH 11 2462MHz	*	2460.617	105.01	-	-	105.36	27.41	5.44	33.2	283	68	P	H
	*	2460.788	97.2	-	-	97.55	27.41	5.44	33.2	283	68	A	H
		2483.76	58.56	-15.44	74	58.82	27.46	5.46	33.18	283	68	P	H
		2483.52	46.23	-7.77	54	46.49	27.46	5.46	33.18	283	68	A	H
													H
													H
	*	2460.116	103.05	-	-	103.4	27.41	5.44	33.2	250	32	P	V
	*	2460.621	95.58	-	-	95.93	27.41	5.44	33.2	250	32	A	V
		2485.48	57.03	-16.97	74	57.29	27.46	5.46	33.18	250	32	P	V
		2483.72	45.81	-8.19	54	46.07	27.46	5.46	33.18	250	32	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	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	37.76	-36.24	74	59.33	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	37.55	-36.45	74	59.12	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4878	42.21	-31.79	74	63.47	31.56	7.7	60.52	100	0	P	H
		7308	42.68	-31.32	74	57.94	36.18	9.49	60.93	100	0	P	H
													H
													H
		4878	45.08	-28.92	74	66.34	31.56	7.7	60.52	100	0	P	V
		7308	43.42	-30.58	74	58.68	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4926	38.93	-35.07	74	59.76	31.66	7.93	60.42	100	0	P	H
		7386	42.22	-31.78	74	57.51	36.37	9.53	61.19	100	0	P	H
													H
													H
		4926	38.64	-35.36	74	59.47	31.66	7.93	60.42	100	0	P	V
		7386	42.21	-31.79	74	57.5	36.37	9.53	61.19	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11g (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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		32.16	16.03	-23.97	40	29.28	18.92	0.65	32.82			P	H
		40.53	12.84	-27.16	40	31.05	13.94	0.65	32.8			P	H
		195.51	16.27	-27.23	43.5	37.69	9.82	1.48	32.72			P	H
		365.8	21.15	-24.85	46	36.21	15.61	2.13	32.8			P	H
		416.9	19.06	-26.94	46	32.97	16.78	2.16	32.85			P	H
		927.9	25.87	-20.13	46	30.75	23.83	3.29	32	100	21	P	H
													H
													H
													H
													H
													H
													H
													H
		31.89	22.99	-17.01	40	36.24	18.92	0.65	32.82	122	58	P	V
		41.88	19.35	-20.65	40	38.12	13.38	0.65	32.8			P	V
		122.88	12.44	-31.06	43.5	32.02	11.93	1.14	32.65			P	V
		505.1	18.16	-27.84	46	30.51	18.25	2.33	32.93			P	V
		851.6	24.22	-21.78	46	31.11	22.53	3.16	32.58			P	V
		930	25.8	-20.2	46	30.62	23.87	3.29	31.98			P	V
													V
													V
													V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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 06 2437MHz		2368.68	53.68	-20.32	74	54.34	27.19	5.39	33.24	279	72	P	H
		2389.56	43.37	-10.63	54	43.99	27.23	5.39	33.24	279	72	A	H
	*	2435.905	108.22	-	-	108.69	27.32	5.42	33.21	279	72	P	H
	*	2435.905	104.65	-	-	105.12	27.32	5.42	33.21	279	72	A	H
		2483.92	53.17	-20.83	74	53.43	27.46	5.46	33.18	279	72	P	H
		2483.84	43.18	-10.82	54	43.44	27.46	5.46	33.18	279	72	A	H
		2374.89	52.71	-21.29	74	53.37	27.19	5.39	33.24	249	30	P	V
		2389.11	43.19	-10.81	54	43.81	27.23	5.39	33.24	249	30	A	V
	*	2435.905	105.72	-	-	106.19	27.32	5.42	33.21	249	30	P	V
	*	2435.905	103.16	-	-	103.63	27.32	5.42	33.21	249	30	A	V
		2487.48	53.76	-20.24	74	54.02	27.46	5.46	33.18	249	30	P	V
		2484.16	42.9	-11.1	54	43.16	27.46	5.46	33.18	249	30	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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 06 2437MHz		4872	46.34	-27.66	74	67.6	31.56	7.7	60.52	100	0	P	H
		7308	43.49	-30.51	74	58.75	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	47.6	-26.4	74	68.86	31.56	7.7	60.52	100	0	P	V
		7308	43.2	-30.8	74	58.46	36.18	9.49	60.93	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<For Sample 2>

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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 06 2437MHz		2388.21	53.79	-20.21	74	54.41	27.23	5.39	33.24	279	68	P	H
		2389.2	42.71	-11.29	54	43.33	27.23	5.39	33.24	279	68	A	H
	*	2435.822	107.13	-	-	107.6	27.32	5.42	33.21	279	68	P	H
	*	2438.159	104.56	-	-	104.98	27.37	5.42	33.21	279	68	A	H
		2484.88	53.68	-20.32	74	53.94	27.46	5.46	33.18	279	68	P	H
		2485.2	43.02	-10.98	54	43.28	27.46	5.46	33.18	279	68	A	H
		2354.28	53.56	-20.44	74	54.34	27.14	5.33	33.25	249	32	P	V
		2385.96	42.57	-11.43	54	43.19	27.23	5.39	33.24	249	32	A	V
	*	2438.243	106.09	-	-	106.51	27.37	5.42	33.21	249	32	P	V
	*	2438.159	103.55	-	-	103.97	27.37	5.42	33.21	249	32	A	V
		2499.2	53.08	-20.92	74	53.29	27.5	5.46	33.17	249	32	P	V
		2489.6	42.85	-11.15	54	43.07	27.5	5.46	33.18	249	32	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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 06 2437MHz		4872	39.1	-34.9	74	60.36	31.56	7.7	60.52	100	0	P	H
		7308	43.16	-30.84	74	58.42	36.18	9.49	60.93	100	0	P	H
												P	H
												P	H
		4872	36.96	-37.04	74	58.22	31.56	7.7	60.52	100	0	P	V
		7308	43.24	-30.76	74	58.5	36.18	9.49	60.93	100	0	P	V
												P	V
												P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<For Sample 3>

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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 06 2437MHz		2355.63	56.27	-17.73	74	57.05	27.14	5.33	33.25	278	96	P	H
		2387.85	42.92	-11.08	54	43.54	27.23	5.39	33.24	278	96	A	H
	*	2437	107.24	-	-	107.66	27.37	5.42	33.21	278	96	P	H
	*	2437	104.65	-	-	105.07	27.37	5.42	33.21	278	96	A	H
		2490	52.83	-21.17	74	53.05	27.5	5.46	33.18	278	96	P	H
		2485	42.57	-11.43	54	42.83	27.46	5.46	33.18	278	96	A	H
		2366.61	53.69	-20.31	74	54.4	27.14	5.39	33.24	269	57	P	V
		2388.3	42.2	-11.8	54	42.82	27.23	5.39	33.24	269	57	A	V
	*	2437	104.23	-	-	104.65	27.37	5.42	33.21	269	57	P	V
	*	2437	101.64	-	-	102.06	27.37	5.42	33.21	269	57	A	V
		2485.04	53.54	-20.46	74	53.8	27.46	5.46	33.18	269	57	P	V
		2485.12	42.72	-11.28	54	42.98	27.46	5.46	33.18	269	57	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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 06 2437MHz		4872	44.61	-29.39	74	65.87	31.56	7.7	60.52	100	0	P	H
		7308	43.17	-30.83	74	58.43	36.18	9.49	60.93	100	0	P	H
												P	H
												P	H
		4872	42.22	-31.78	74	63.48	31.56	7.7	60.52	100	0	P	V
		7308	44.94	-29.06	74	60.2	36.18	9.49	60.93	100	0	P	V
												P	V
												P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<For Sample 4>

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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 06 2437MHz		2358.6	53.01	-20.99	74	53.79	27.14	5.33	33.25	147	61	P	H
		2389.47	43.16	-10.84	54	43.78	27.23	5.39	33.24	147	61	A	H
	*	2435.822	107.52	-	-	107.99	27.32	5.42	33.21	147	61	P	H
	*	2437	105.99	-	-	106.41	27.37	5.42	33.21	147	61	A	H
		2485.24	53.39	-20.61	74	53.65	27.46	5.46	33.18	147	61	P	H
		2486.84	42.84	-11.16	54	43.1	27.46	5.46	33.18	147	61	A	H
		2362.11	52.64	-21.36	74	53.42	27.14	5.33	33.25	236	29	P	V
		2388.21	42.77	-11.23	54	43.39	27.23	5.39	33.24	236	29	A	V
	*	2437	106.92	-	-	107.34	27.37	5.42	33.21	236	29	P	V
	*	2437	104.38	-	-	104.8	27.37	5.42	33.21	236	29	A	V
		2487.96	53.39	-20.61	74	53.61	27.5	5.46	33.18	236	29	P	V
		2483.6	42.66	-11.34	54	42.92	27.46	5.46	33.18	236	29	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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 06 2437MHz		4872	37.97	-36.03	74	59.23	31.56	7.7	60.52	100	0	P	H
		7308	43.42	-30.58	74	58.68	36.18	9.49	60.93	100	0	P	H
												P	H
												P	H
		4872	37.75	-36.25	74	59.01	31.56	7.7	60.52	100	0	P	V
		7308	43.85	-30.15	74	59.11	36.18	9.49	60.93	100	0	P	V
												P	V
												P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<For Sample 5>

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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 06 2437MHz		2375.07	52.24	-21.76	74	52.9	27.19	5.39	33.24	203	65	P	H
		2389.83	42.9	-11.1	54	43.5	27.23	5.39	33.22	203	65	A	H
	*	2437	108.17	-	-	108.59	27.37	5.42	33.21	203	65	P	H
	*	2437	105.56	-	-	105.98	27.37	5.42	33.21	203	65	A	H
		2497.84	53.2	-20.8	74	53.41	27.5	5.46	33.17	203	65	P	H
		2483.92	43.14	-10.86	54	43.4	27.46	5.46	33.18	203	65	A	H
		2388.48	52.68	-21.32	74	53.3	27.23	5.39	33.24	100	36	P	V
		2390	42.97	-11.03	54	43.57	27.23	5.39	33.22	100	36	A	V
	*	2437	107.17	-	-	107.59	27.37	5.42	33.21	100	36	P	V
	*	2437	104.65	-	-	105.07	27.37	5.42	33.21	100	36	A	V
		2483.8	53.79	-20.21	74	54.05	27.46	5.46	33.18	100	36	P	V
		2484.2	43.25	-10.75	54	43.51	27.46	5.46	33.18	100	36	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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 06 2437MHz		4872	42.38	-31.62	74	63.64	31.56	7.7	60.52	100	0	P	H
		7308	44.28	-29.72	74	59.54	36.18	9.49	60.93	100	0	P	H
												P	H
												P	H
		4872	41.73	-32.27	74	62.99	31.56	7.7	60.52	100	0	P	V
		7314	49.55	-24.45	74	64.81	36.18	9.49	60.93	100	0	P	V
												P	V
												P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<For Sample 1 with Cradle>

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 1	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 06 2437MHz		2376.06	53.56	-20.44	74	54.22	27.19	5.39	33.24	296	38	P	H
		2389.29	43.04	-10.96	54	43.66	27.23	5.39	33.24	296	38	A	H
	*	2438.243	107.66	-	-	108.08	27.37	5.42	33.21	296	38	P	H
	*	2438.159	105.09	-	-	105.51	27.37	5.42	33.21	296	38	A	H
		2492.24	53.19	-20.81	74	53.4	27.5	5.46	33.17	296	38	P	H
		2483.56	43.12	-10.88	54	43.38	27.46	5.46	33.18	296	38	A	H
		2361.3	53.18	-20.82	74	53.96	27.14	5.33	33.25	138	0	P	V
		2389.11	42.41	-11.59	54	43.03	27.23	5.39	33.24	138	0	A	V
	*	2435.905	101.49	-	-	101.96	27.32	5.42	33.21	138	0	P	V
	*	2435.905	98.89	-	-	99.36	27.32	5.42	33.21	138	0	A	V
		2486.52	53.46	-20.54	74	53.72	27.46	5.46	33.18	138	0	P	V
		2483.96	42.59	-11.41	54	42.85	27.46	5.46	33.18	138	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	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 06 2437MHz		4872	46.26	-27.74	74	67.52	31.56	7.7	60.52	100	0	P	H
		7308	43.55	-30.45	74	58.81	36.18	9.49	60.93	100	0	P	H
												P	H
												P	H
		4872	43.29	-30.71	74	64.55	31.56	7.7	60.52	100	0	P	V
		7308	43.07	-30.93	74	58.33	36.18	9.49	60.93	100	0	P	V
												P	V
												P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average 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		(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”.