



Appendix B. Radiated Spurious Emission

Test Engineer :	Nick Yu and Jesse Wang	Temperature :	21~23°C
		Relative Humidity :	56~59%

15C 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.				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 CH 01 2412MHz		2387.13	59.46	-14.54	74	60.26	27.23	6.01	34.04	113	130	P	H
		2386.5	47.23	-6.77	54	48.03	27.23	6.01	34.04	113	130	A	H
	*	2412	91.26	-	-	91.98	27.28	6.04	34.04	113	130	P	H
	*	2412	88.65	-	-	89.37	27.28	6.04	34.04	113	130	A	H
													H
													H
		2382.72	58.72	-15.28	74	59.56	27.19	6.01	34.04	107	139	P	V
		2384.25	47.99	-6.01	54	48.83	27.19	6.01	34.04	107	139	A	V
	*	2412	99.45	-	-	100.17	27.28	6.04	34.04	107	139	P	V
	*	2412	96.87	-	-	97.59	27.28	6.04	34.04	107	139	A	V
													V
													V
802.11b CH 06 2437MHz		2312.61	58.45	-15.55	74	59.62	27.01	5.89	34.07	100	126	P	H
		2385.69	47.17	-6.83	54	47.97	27.23	6.01	34.04	100	126	A	H
	*	2437	93.81	-	-	94.43	27.37	6.04	34.03	100	126	P	H
	*	2437	90.99	-	-	91.61	27.37	6.04	34.03	100	126	A	H
		2488.24	58.35	-15.65	74	58.77	27.5	6.09	34.01	100	126	P	H
		2489.92	47.66	-6.34	54	48.08	27.5	6.09	34.01	100	126	A	H
		2352.21	59.83	-14.17	74	60.79	27.14	5.95	34.05	129	139	P	V
		2363.91	47.73	-6.27	54	48.63	27.14	6.01	34.05	129	139	A	V
	*	2437	100.57	-	-	101.19	27.37	6.04	34.03	129	139	P	V
	*	2437	97.88	-	-	98.5	27.37	6.04	34.03	129	139	A	V
		2490.08	58.52	-15.48	74	58.94	27.5	6.09	34.01	129	139	P	V
		2484.12	47.78	-6.22	54	48.24	27.46	6.09	34.01	129	139	A	V



802.11b CH 11 2462MHz	*	2462	98.44	-	-	98.98	27.41	6.07	34.02	100	128	P	H
	*	2462	95.56	-	-	96.1	27.41	6.07	34.02	100	128	P	H
		2490	58.6	-15.4	74	59.02	27.5	6.09	34.01	143	149	P	H
		2488.56	48.13	-5.87	54	48.55	27.5	6.09	34.01	100	128	A	H
													H
													H
	*	2462	103.45	-	-	103.99	27.41	6.07	34.02	143	149	P	V
	*	2462	100.66	-	-	101.2	27.41	6.07	34.02	143	149	A	V
		2484.56	58.88	-15.12	74	59.34	27.46	6.09	34.01	143	149	P	V
		2490.36	48.13	-5.87	54	48.55	27.5	6.09	34.01	143	149	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

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 CH 01 2412MHz		4824	46.83	-27.17	74	71.93	31.32	8.65	65.07	100	301	P	H
		4824	45.69	-8.31	54	70.79	31.32	8.65	65.07	100	301	A	H
													H
													H
		4824	53.74	-20.26	74	78.84	31.32	8.65	65.07	256	158	P	V
		4824	53.32	-0.68	54	78.42	31.32	8.65	65.07	256	158	A	V
													V
													V
802.11b CH 06 2437MHz		4872	48.16	-25.84	74	73.08	31.41	8.69	65.02	100	237	P	H
		4872	46.71	-7.29	54	71.63	31.41	8.69	65.02	100	237	A	H
		7311	40.33	-33.67	74	58.72	36.28	10.39	65.06	100	0	P	H
													H
		4872	53.52	-20.48	74	78.44	31.41	8.69	65.02	249	157	P	V
		4872	53.31	-0.69	54	78.23	31.41	8.69	65.02	249	157	A	V
		7308	40.66	-33.34	74	59.05	36.28	10.39	65.06	100	0	P	V
													V
802.11b CH 11 2462MHz		4926	48.69	-25.31	74	73.38	31.49	8.79	64.97	100	245	P	H
		4926	47.48	-6.52	54	72.17	31.49	8.79	64.97	100	245	A	H
		7386	40.28	-33.72	74	58.41	36.47	10.48	65.08	100	0	P	H
													H
		4926	54.53	-19.47	74	79.22	31.49	8.79	64.97	248	210	P	V
		4926	53.88	-0.12	54	78.57	31.49	8.79	64.97	248	210	A	V
		7386	40.8	-33.2	74	58.93	36.47	10.48	65.08	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

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)
802.11g CH 01 2412MHz		2390	59.34	-14.66	74	60.14	27.23	6.01	34.04	106	148	P	H
		2390	48.61	-5.39	54	49.41	27.23	6.01	34.04	106	148	A	H
	*	2412	97.06	-	-	97.78	27.28	6.04	34.04	106	148	P	H
	*	2412	89.3	-	-	90.02	27.28	6.04	34.04	106	148	A	H
													H
													H
		2389.74	67.72	-6.28	74	68.52	27.23	6.01	34.04	100	150	P	V
		2390	52.29	-1.71	54	53.09	27.23	6.01	34.04	100	150	A	V
	*	2412	104.11	-	-	104.83	27.28	6.04	34.04	100	150	P	V
	*	2412	96.31	-	-	97.03	27.28	6.04	34.04	100	150	A	V
													V
													V
802.11g CH 06 2437MHz		2347.98	58.51	-15.49	74	59.51	27.1	5.95	34.05	244	180	P	H
		2367.06	48.21	-5.79	54	49.1	27.14	6.01	34.04	244	180	A	H
	*	2437	100.27	-	-	100.89	27.37	6.04	34.03	244	180	P	H
	*	2437	92.3	-	-	92.92	27.37	6.04	34.03	244	180	A	H
		2496.84	58.99	-15.01	74	59.4	27.5	6.09	34	244	180	P	H
		2499.24	48.37	-5.63	54	48.78	27.5	6.09	34	244	180	A	H
		2350.05	61.18	-12.82	74	62.18	27.1	5.95	34.05	125	142	P	V
		2355.72	49.09	-4.91	54	50.05	27.14	5.95	34.05	125	142	A	V
	*	2437	107.53	-	-	108.15	27.37	6.04	34.03	125	142	P	V
	*	2437	99.49	-	-	100.11	27.37	6.04	34.03	125	142	A	V
		2494.16	59.07	-14.93	74	59.48	27.5	6.09	34	125	142	P	V
		2484.6	48.93	-5.07	54	49.39	27.46	6.09	34.01	125	142	A	V



802.11g CH 11 2462MHz	*	2462	99.48	-	-	100.02	27.41	6.07	34.02	100	138	P	H
	*	2462	91.08	-	-	91.62	27.41	6.07	34.02	100	138	A	H
		2483.88	62.64	-11.36	74	63.1	27.46	6.09	34.01	100	138	P	H
		2483.52	50.36	-3.64	54	50.82	27.46	6.09	34.01	100	138	A	H
													H
													H
	*	2462	104.29	-	-	104.83	27.41	6.07	34.02	142	147	P	V
	*	2462	96.49	-	-	97.03	27.41	6.07	34.02	142	147	A	V
		2483.64	67.19	-6.81	74	67.65	27.46	6.09	34.01	142	147	P	V
		2483.64	52.74	-1.26	54	53.2	27.46	6.09	34.01	142	147	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

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)
802.11g CH 01 2412MHz		4824	51.43	-22.57	74	76.53	31.32	8.65	65.07	100	247	P	H
													H
													H
													H
		4824	59.14	-14.86	74	84.24	31.32	8.65	65.07	255	157	P	V
		4824	50.26	-3.74	54	75.36	31.32	8.65	65.07	255	157	A	V
													V
													V
802.11g CH 06 2437MHz		4878	56.56	-17.44	74	81.48	31.41	8.69	65.02	100	239	P	H
		4878	46.39	-7.61	54	71.31	31.41	8.69	65.02	100	239	A	H
		7308	40.19	-33.81	74	58.58	36.28	10.39	65.06	100	239	P	H
													H
		4866	61.83	-12.17	74	86.8	31.38	8.69	65.04	250	156	P	V
		4866	53.13	-0.87	54	78.1	31.38	8.69	65.04	250	156	A	V
		7308	41.87	-32.13	74	60.26	36.28	10.39	65.06	250	156	P	V
													V
802.11g CH 11 2462MHz		4920	47.21	-26.79	74	71.95	31.49	8.74	64.97	100	238	P	H
		4920	37.32	-16.68	54	62.06	31.49	8.74	64.97	100	238	A	H
		7386	40.22	-33.78	74	58.35	36.47	10.48	65.08	100	0	P	H
													H
		4920	55.11	-18.89	74	79.85	31.49	8.74	64.97	246	203	P	V
		4920	43.83	-10.17	54	68.57	31.49	8.74	64.97	246	203	A	V
		7386	41.71	-32.29	74	59.84	36.47	10.48	65.08	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

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)
802.11n HT20 CH 01 2412MHz		2390	60.31	-13.69	74	61.11	27.23	6.01	34.04	109	147	P	H
		2389.92	49.31	-4.69	54	50.11	27.23	6.01	34.04	109	147	A	H
	*	2412	95.81	-	-	96.53	27.28	6.04	34.04	109	147	P	H
	*	2412	88.23	-	-	88.95	27.28	6.04	34.04	109	147	A	H
													H
													H
		2389.2	68.42	-5.58	74	69.22	27.23	6.01	34.04	100	141	P	V
		2390	52.9	-1.1	54	53.7	27.23	6.01	34.04	100	141	A	V
	*	2412	102.72	-	-	103.44	27.28	6.04	34.04	100	141	P	V
	*	2412	95.13	-	-	95.85	27.28	6.04	34.04	100	141	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2349.42	58.5	-15.5	74	59.5	27.1	5.95	34.05	135	126	P	H
		2373.99	47.87	-6.13	54	48.71	27.19	6.01	34.04	135	126	A	H
	*	2437	101.43	-	-	102.05	27.37	6.04	34.03	135	126	P	H
	*	2437	93.28	-	-	93.9	27.37	6.04	34.03	135	126	A	H
		2486.24	58.69	-15.31	74	59.15	27.46	6.09	34.01	135	126	P	H
		2492.96	48.56	-5.44	54	48.97	27.5	6.09	34	135	126	A	H
		2354.19	62.1	-11.9	74	63.06	27.14	5.95	34.05	126	148	P	V
		2354.46	49.27	-4.73	54	50.23	27.14	5.95	34.05	126	148	A	V
	*	2437	108.13	-	-	108.75	27.37	6.04	34.03	126	148	P	V
	*	2437	100.15	-	-	100.77	27.37	6.04	34.03	126	148	A	V
		2483.56	59.4	-14.6	74	59.86	27.46	6.09	34.01	126	148	P	V
		2484.16	49.32	-4.68	54	49.78	27.46	6.09	34.01	126	148	A	V



802.11n HT20 CH 11 2462MHz	*	2462	97.16	-	-	97.7	27.41	6.07	34.02	107	146	P	H
	*	2462	89.67	-	-	90.21	27.41	6.07	34.02	107	146	A	H
		2484.76	61.15	-12.85	74	61.61	27.46	6.09	34.01	107	146	P	H
		2483.64	49.85	-4.15	54	50.31	27.46	6.09	34.01	107	146	A	H
													H
													H
	*	2462	102.81	-	-	103.35	27.41	6.07	34.02	118	140	P	V
	*	2462	95.56	-	-	96.1	27.41	6.07	34.02	118	140	A	V
		2483.72	66.33	-7.67	74	66.79	27.46	6.09	34.01	118	140	P	V
		2483.72	53.82	-0.18	54	54.28	27.46	6.09	34.01	118	140	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

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)
802.11n HT20 CH 01 2412MHz		4824	52.72	-21.28	74	77.82	31.32	8.65	65.07	100	244	P	H
		4824	41.38	-12.62	54	66.48	31.32	8.65	65.07	100	244	A	H
													H
													H
		4824	56.04	-17.96	74	81.14	31.32	8.65	65.07	308	153	P	V
		4824	48.09	-5.91	54	73.19	31.32	8.65	65.07	308	153	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		4878	57.44	-16.56	74	82.36	31.41	8.69	65.02	100	239	P	H
		4878	49.62	-4.38	54	74.54	31.41	8.69	65.02	100	239	A	H
		7311	41.12	-32.88	74	59.51	36.28	10.39	65.06	100	0	P	H
													H
		4866	64.31	-9.69	74	89.28	31.38	8.69	65.04	269	204	P	V
		4866	53.84	-0.16	54	78.81	31.38	8.69	65.04	269	204	A	V
		7311	44.07	-29.93	74	62.46	36.28	10.39	65.06	100	0	P	V
													V
802.11n HT20 CH 11 2462MHz		4920	44.85	-29.15	74	69.59	31.49	8.74	64.97	100	240	P	H
		7386	39.4	-34.6	74	57.53	36.47	10.48	65.08	100	0	P	H
													H
													H
		4914	51.44	-22.56	74	76.23	31.46	8.74	64.99	231	202	P	V
		4914	42.02	-11.98	54	66.81	31.46	8.74	64.99	231	202	A	V
		7386	40.54	-33.46	74	58.67	36.47	10.48	65.08	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

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)
802.11n HT40 CH 03 2422MHz		2389.29	61.62	-12.38	74	62.42	27.23	6.01	34.04	133	148	P	H
		2389.2	49.96	-4.04	54	50.76	27.23	6.01	34.04	133	148	A	H
	*	2422	91.53	-	-	92.2	27.32	6.04	34.03	133	148	P	H
	*	2422	83.64	-	-	84.31	27.32	6.04	34.03	133	148	A	H
		2496.84	58.41	-15.59	74	58.82	27.5	6.09	34	133	148	P	H
		2483.52	48.79	-5.21	54	49.25	27.46	6.09	34.01	133	148	A	H
		2389.2	66.82	-7.18	74	67.62	27.23	6.01	34.04	126	147	P	V
		2389.29	53.86	-0.14	54	54.66	27.23	6.01	34.04	126	147	A	V
	*	2422	99.51	-	-	100.18	27.32	6.04	34.03	126	147	P	V
	*	2422	91.52	-	-	92.19	27.32	6.04	34.03	126	147	A	V
		2497.68	58.58	-15.42	74	58.99	27.5	6.09	34	126	147	P	V
		2493.64	49.1	-4.9	54	49.51	27.5	6.09	34	126	147	A	V
802.11n HT40 CH 06 2437MHz		2389.38	60.27	-13.73	74	61.07	27.23	6.01	34.04	119	149	P	H
		2389.47	49.17	-4.83	54	49.97	27.23	6.01	34.04	119	149	A	H
	*	2437	94.13	-	-	94.75	27.37	6.04	34.03	119	149	P	H
	*	2437	86.75	-	-	87.37	27.37	6.04	34.03	119	149	A	H
		2483.6	58.34	-15.66	74	58.8	27.46	6.09	34.01	119	149	P	H
		2487.32	48.74	-5.26	54	49.2	27.46	6.09	34.01	119	149	A	H
		2389.38	63.99	-10.01	74	64.79	27.23	6.01	34.04	229	144	P	V
		2389.65	52.36	-1.64	54	53.16	27.23	6.01	34.04	229	144	A	V
	*	2437	101.4	-	-	102.02	27.37	6.04	34.03	229	144	P	V
	*	2437	93.86	-	-	94.48	27.37	6.04	34.03	229	144	A	V
		2484.16	65.88	-8.12	74	66.34	27.46	6.09	34.01	229	144	P	V
		2484.1	53.21	-0.79	54	53.67	27.46	6.09	34.01	229	144	A	V



802.11n HT40 CH 09 2452MHz		2353.29	58.27	-15.73	74	59.23	27.14	5.95	34.05	105	148	P	H
		2368.86	48.31	-5.69	54	49.15	27.19	6.01	34.04	105	148	A	H
	*	2452	92.66	-	-	93.24	27.37	6.07	34.02	105	148	P	H
	*	2452	85.5	-	-	86.08	27.37	6.07	34.02	105	148	A	H
		2483.84	61.27	-12.73	74	61.73	27.46	6.09	34.01	105	148	P	H
		2489.88	48.78	-5.22	54	49.2	27.5	6.09	34.01	105	148	A	H
		2385.51	58.62	-15.38	74	59.42	27.23	6.01	34.04	230	141	P	V
		2376.15	48.81	-5.19	54	49.65	27.19	6.01	34.04	230	141	A	V
	*	2452	98.81	-	-	99.39	27.37	6.07	34.02	230	141	P	V
	*	2452	91.19	-	-	91.77	27.37	6.07	34.02	230	141	A	V
		2484.96	66.34	-7.66	74	66.8	27.46	6.09	34.01	230	141	P	V
		2483.52	53.84	-0.16	54	54.3	27.46	6.09	34.01	230	141	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

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)
802.11n HT40 CH 03 2422MHz		4836	47.14	-26.86	74	72.2	31.35	8.65	65.06	100	0	P	H
		7266	40.88	-33.12	74	59.39	36.21	10.34	65.06	100	245	P	H
													H
													H
		4842	50.8	-23.2	74	75.82	31.35	8.69	65.06	100	0	P	V
		7266	41.06	-32.94	74	59.57	36.21	10.34	65.06	235	206	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4878	47.42	-26.58	74	72.34	31.41	8.69	65.02	100	0	P	H
		7308	40.83	-33.17	74	59.22	36.28	10.39	65.06	100	0	P	H
													H
													H
		4872	55.91	-18.09	74	80.83	31.41	8.69	65.02	264	204	P	V
		4872	44.43	-9.57	54	69.35	31.41	8.69	65.02	264	204	A	V
		7308	41.6	-32.4	74	59.99	36.28	10.39	65.06	100	0	P	V
													V
802.11n HT40 CH 09 2452MHz		4902	40.88	-33.12	74	65.67	31.46	8.74	64.99	100	0	P	H
		7356	41.21	-32.79	74	59.44	36.4	10.44	65.07	100	0	P	H
													H
													H
		4904	45.45	-28.55	74	70.24	31.46	8.74	64.99	100	0	P	V
		7356	41.6	-32.4	74	59.83	36.4	10.44	65.07	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Emission below 1GHz

2.4GHz WIFI 802.11b (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 802.11b LF		58.62	38.69	-1.31	40	64.04	5.41	1.04	31.8	101	26	P	H
		101.82	40.82	-2.68	43.5	60.93	10.39	1.28	31.78			P	H
		164.73	40.07	-3.43	43.5	61.26	9.13	1.46	31.78			P	H
		500.2	38.62	-7.38	46	50.57	17.3	2.64	31.89			P	H
		562.5	43.2	-2.8	46	53.91	18.5	2.77	31.98			P	H
		624.8	39.23	-6.77	46	49.31	19	2.96	32.04			P	H
													H
													H
													H
													H
													H
													H
		39.72	37.36	-2.64	40	55.66	12.85	0.67	31.82			P	V
		101.82	41.04	-2.46	43.5	61.15	10.39	1.28	31.78	116	125	P	V
		231.42	28.25	-17.75	46	48.56	9.67	1.79	31.77			P	V
		562.5	39.21	-6.79	46	49.92	18.5	2.77	31.98			P	V
		594	41.01	-4.99	46	51.69	18.46	2.89	32.03			P	V
		624.8	40.36	-5.64	46	50.44	19	2.96	32.04			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 per 15.209(c).
!	Test result is over limit line.
P/A	Peak or Average
H/V	H orizontal or V ertical



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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		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”.