



## Appendix B. Radiated Spurious Emission

Engineer :	Nick Yu, Ken Wu, and James Chiu	Temperature :	21~23°C
		Humidity :	47~49%

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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b CH 01 2412MHz		2359.14	58.17	-15.83	74	52.61	32.13	7.68	34.25	100	61	P	H
		2343.39	45.03	-8.97	54	39.49	32.11	7.68	34.25	100	61	A	H
	*	2413.694	95.11	-	-	89.46	32.2	7.75	34.3	100	61	P	H
	*	2414.78	91.78	-	-	86.13	32.2	7.75	34.3	100	61	A	H
													H
													H
		2334.93	58.26	-15.74	74	52.77	32.11	7.6	34.22	128	109	P	V
		2390.01	45.9	-8.1	54	40.27	32.18	7.75	34.3	128	109	A	V
	*	2413.611	106.61	-	-	100.96	32.2	7.75	34.3	128	109	P	V
	*	2414.696	102.58	-	-	96.93	32.2	7.75	34.3	128	109	A	V
													V
													V
802.11b CH 06 2437MHz		2358.87	58.4	-15.6	74	52.84	32.13	7.68	34.25	100	61	P	H
		2362.47	44.86	-9.14	54	39.3	32.13	7.68	34.25	100	61	A	H
	*	2437	99.49	-	-	93.77	32.24	7.83	34.35	100	61	P	H
	*	2435.738	76.16	-	-	70.46	32.22	7.83	34.35	100	61	A	H
		2499.76	58.44	-15.56	74	52.71	32.3	7.91	34.48	100	61	P	H
		2490.52	45.1	-8.9	54	39.32	32.3	7.91	34.43	100	61	A	H
		2371.83	58.65	-15.35	74	53.08	32.16	7.68	34.27	100	120	P	V
		2384.25	45.1	-8.9	54	39.46	32.16	7.75	34.27	100	120	A	V
	*	2438.326	107.18	-	-	101.46	32.24	7.83	34.35	100	120	P	V
	*	2434.987	81.82	-	-	76.12	32.22	7.83	34.35	100	120	A	V
		2489.08	58.24	-15.76	74	52.46	32.3	7.91	34.43	100	120	P	V
		2488.84	45.72	-8.28	54	39.94	32.3	7.91	34.43	100	120	A	V



<b>802.11b</b> <b>CH 11</b> <b>2462MHz</b>	*	2463.376	97	-	-	91.22	32.26	7.91	34.39	100	61	P	H
	*	2461.373	93.23	-	-	87.45	32.26	7.91	34.39	100	61	A	H
		2493.32	58.4	-15.6	74	52.67	32.3	7.91	34.48	100	61	P	H
		2484.2	45.12	-8.88	54	39.36	32.28	7.91	34.43	100	61	A	H
													H
													H
	*	2463.627	104.36	-	-	98.58	32.26	7.91	34.39	139	110	P	V
	*	2464.796	100.48	-	-	94.7	32.26	7.91	34.39	139	110	A	V
		2484.88	59.09	-14.91	74	53.33	32.28	7.91	34.43	139	110	P	V
		2483.92	46.66	-7.34	54	40.9	32.28	7.91	34.43	139	110	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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b CH 01 2412MHz		4824	49.39	-24.61	74	62.9	34.26	11.16	58.93	100	0	P	H
													H
													H
													H
		4824	52.87	-21.13	74	66.38	34.26	11.16	58.93	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4872	48.57	-25.43	74	61.89	34.3	11.21	58.83	100	0	P	H
		7314	47.08	-26.92	74	54.13	35.6	15.08	57.73	100	0	P	H
													H
													H
		4872	51.46	-22.54	74	64.78	34.3	11.21	58.83	100	288	P	V
		7314	48.36	-25.64	74	55.41	35.6	15.08	57.73	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4920	49.55	-24.45	74	62.67	34.34	11.27	58.73	100	0	P	H
		7386	45.76	-28.24	74	52.82	35.6	15.14	57.8	100	0	P	H
													H
													H
		4920	57.11	-16.89	74	70.23	34.34	11.27	58.73	100	182	P	V
		4920	50.27	-3.73	54	63.39	34.34	11.27	58.73	100	182	A	V
		7386	48.13	-25.87	74	55.19	35.6	15.14	57.8	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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11g CH 01 2412MHz		2341.68	58.11	-15.89	74	52.57	32.11	7.68	34.25	109	62	P	H
		2358.69	44.91	-9.09	54	39.35	32.13	7.68	34.25	109	62	A	H
	*	2417.618	102.66	-	-	97.06	32.2	7.75	34.35	109	62	P	H
	*	2417.869	91.95	-	-	86.35	32.2	7.75	34.35	109	62	A	H
													H
													H
		2390	61.31	-12.69	74	55.68	32.18	7.75	34.3	131	329	P	V
		2390	47.54	-6.46	54	41.91	32.18	7.75	34.3	131	329	A	V
	*	2414.947	111.11	-	-	105.46	32.2	7.75	34.3	131	329	P	V
	*	2414.362	100.9	-	-	95.25	32.2	7.75	34.3	131	329	A	V
													V
													V
802.11g CH 06 2437MHz		2317.11	58.19	-15.81	74	52.74	32.07	7.6	34.22	100	61	P	H
		2384.34	44.91	-9.09	54	39.27	32.16	7.75	34.27	100	61	A	H
	*	2433.066	103.11	-	-	97.41	32.22	7.83	34.35	100	61	P	H
	*	2432.398	92.77	-	-	87.07	32.22	7.83	34.35	100	61	A	H
		2492.96	58.79	-15.21	74	53.06	32.3	7.91	34.48	100	61	P	H
		2489.8	46.1	-7.9	54	40.32	32.3	7.91	34.43	100	61	A	H
		2377.14	58.21	-15.79	74	52.64	32.16	7.68	34.27	100	121	P	V
		2384.88	46.83	-7.17	54	41.19	32.16	7.75	34.27	100	121	A	V
	*	2433.817	111.06	-	-	105.36	32.22	7.83	34.35	100	121	P	V
	*	2434.653	100.74	-	-	95.04	32.22	7.83	34.35	100	121	A	V
		2489.12	59.93	-14.07	74	54.15	32.3	7.91	34.43	100	121	P	V
		2489.12	48.36	-5.64	54	42.58	32.3	7.91	34.43	100	121	A	V



<b>802.11g</b> <b>CH 11</b> <b>2462MHz</b>	*	2465.715	103.92	-	-	98.14	32.26	7.91	34.39	100	87	P	H
	*	2465.381	93.56	-	-	87.78	32.26	7.91	34.39	100	87	A	H
		2484.28	59.47	-14.53	74	53.71	32.28	7.91	34.43	100	87	P	H
		2483.6	45.44	-8.56	54	39.68	32.28	7.91	34.43	100	87	A	H
													H
													H
	*	2463.627	110.94	-	-	105.16	32.26	7.91	34.39	134	343	P	V
	*	2463.126	100.59	-	-	94.81	32.26	7.91	34.39	134	343	A	V
		2484.28	65.3	-8.7	74	59.54	32.28	7.91	34.43	134	343	P	V
		2483.72	49.6	-4.4	54	43.84	32.28	7.91	34.43	134	343	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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11g CH 01 2412MHz		4824	49.77	-24.23	74	63.28	34.26	11.16	58.93	100	0	P	H
													H
													H
													H
		4818	60.31	-13.69	74	73.87	34.26	11.11	58.93	100	124	P	V
		4818	48.58	-5.42	54	62.14	34.26	11.11	58.93	100	124	A	V
													V
													V
802.11g CH 06 2437MHz		4872	48.44	-25.56	74	61.76	34.3	11.21	58.83	100	0	P	H
		7308	50.64	-23.36	74	57.69	35.6	15.08	57.73	100	0	P	H
													H
													H
		4878	55.59	-18.41	74	68.91	34.3	11.21	58.83	104	117	P	V
		4878	45.05	-8.95	54	58.37	34.3	11.21	58.83	104	117	A	V
		7314	60.85	-13.15	74	67.9	35.6	15.08	57.73	129	210	P	V
		7314	49.01	-4.99	54	56.06	35.6	15.08	57.73	129	210	A	V
802.11g CH 11 2462MHz		4926	51.83	-22.17	74	64.95	34.34	11.27	58.73	100	0	P	H
		4926	38.74	-15.26	54	51.86	34.34	11.27	58.73	100	0	A	H
		7386	53.2	-20.8	74	60.26	35.6	15.14	57.8	100	231	P	H
		7386	44.25	-9.75	54	51.31	35.6	15.14	57.8	100	231	A	H
		4926	61.06	-12.94	74	74.18	34.34	11.27	58.73	100	178	P	V
		4926	43.49	-10.51	54	56.61	34.34	11.27	58.73	100	178	A	V
		7392	60.03	-13.97	74	67.09	35.6	15.14	57.8	100	86	P	V
		7392	48.44	-5.56	54	55.5	35.6	15.14	57.8	100	86	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 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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		2357.79	57.84	-16.16	74	52.28	32.13	7.68	34.25	109	64	P	H
		2389.2	44.8	-9.2	54	39.14	32.18	7.75	34.27	109	64	A	H
	*	2415.531	99.84	-	-	94.24	32.2	7.75	34.35	109	64	P	H
	*	2417.702	89.25	-	-	83.65	32.2	7.75	34.35	109	64	A	H
													H
													H
		2389.29	62.27	-11.73	74	56.61	32.18	7.75	34.27	123	185	P	V
		2390	48.19	-5.81	54	42.56	32.18	7.75	34.3	123	185	A	V
	*	2415.364	110.55	-	-	104.95	32.2	7.75	34.35	123	185	P	V
	*	2414.529	99.8	-	-	94.15	32.2	7.75	34.3	123	185	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2312.7	58.11	-15.89	74	52.63	32.07	7.6	34.19	100	64	P	H
		2385.24	44.98	-9.02	54	39.34	32.16	7.75	34.27	100	64	A	H
	*	2432.398	102.42	-	-	96.72	32.22	7.83	34.35	100	64	P	H
	*	2432.815	91.94	-	-	86.24	32.22	7.83	34.35	100	64	A	H
		2488.52	58.61	-15.39	74	52.83	32.3	7.91	34.43	100	64	P	H
		2488.96	45.75	-8.25	54	39.97	32.3	7.91	34.43	100	64	A	H
		2383.26	58.96	-15.04	74	53.32	32.16	7.75	34.27	100	122	P	V
		2385.33	46.86	-7.14	54	41.22	32.16	7.75	34.27	100	122	A	V
	*	2433.817	110.74	-	-	105.04	32.22	7.83	34.35	100	122	P	V
	*	2433.901	100.54	-	-	94.84	32.22	7.83	34.35	100	122	A	V
		2488.52	60.5	-13.5	74	54.72	32.3	7.91	34.43	100	122	P	V
		2488.92	48.52	-5.48	54	42.74	32.3	7.91	34.43	100	122	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2465.965	102.28	-	-	96.5	32.26	7.91	34.39	100	38	P	H
	*	2465.046	92.17	-	-	86.39	32.26	7.91	34.39	100	38	A	H
		2483.52	60.07	-13.93	74	54.31	32.28	7.91	34.43	100	38	P	H
		2483.92	45.53	-8.47	54	39.77	32.28	7.91	34.43	100	38	A	H
													H
													H
	*	2464.712	109.63	-	-	103.85	32.26	7.91	34.39	140	329	P	V
	*	2464.295	99.2	-	-	93.42	32.26	7.91	34.39	140	329	A	V
		2483.52	65.72	-8.28	74	59.96	32.28	7.91	34.43	140	329	P	V
		2483.8	48.86	-5.14	54	43.1	32.28	7.91	34.43	140	329	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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		4824	50.28	-23.72	74	63.79	34.26	11.16	58.93	100	0	P	H
													H
													H
													H
		4826	53.98	-20.02	74	67.49	34.26	11.16	58.93	148	289	P	V
		4826	41.98	-12.02	54	55.49	34.26	11.16	58.93	148	289	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		4872	49.88	-24.12	74	63.2	34.3	11.21	58.83	100	0	P	H
		7314	53.84	-20.16	74	60.89	35.6	15.08	57.73	100	233	P	H
		7314	40.59	-13.41	54	47.64	35.6	15.08	57.73	100	233	A	H
													H
		4872	59.35	-14.65	74	72.67	34.3	11.21	58.83	116	176	P	V
		4872	42.7	-11.3	54	56.02	34.3	11.21	58.83	116	176	A	V
		7314	60.36	-13.64	74	67.41	35.6	15.08	57.73	127	215	P	V
		7314	46.66	-7.34	54	53.71	35.6	15.08	57.73	127	215	A	V
802.11n HT20 CH 11 2462MHz		4926	50.5	-23.5	74	63.62	34.34	11.27	58.73	100	0	P	H
		7386	53.02	-20.98	74	60.08	35.6	15.14	57.8	100	232	P	H
													H
													H
		4926	61.2	-12.8	74	74.32	34.34	11.27	58.73	100	180	P	V
		4926	41.92	-12.08	54	55.04	34.34	11.27	58.73	100	180	A	V
		7386	59.74	-14.26	74	66.8	35.6	15.14	57.8	100	157	P	V
		7386	40.47	-13.53	54	47.53	35.6	15.14	57.8	100	157	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 (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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		2385.69	58.53	-15.47	74	52.87	32.18	7.75	34.27	100	62	P	H
		2389.38	45.96	-8.04	54	40.3	32.18	7.75	34.27	100	62	A	H
	*	2437.157	98.63	-	-	92.91	32.24	7.83	34.35	100	62	P	H
	*	2428.139	87.94	-	-	82.24	32.22	7.83	34.35	100	62	A	H
		2489.28	58.06	-15.94	74	52.28	32.3	7.91	34.43	100	62	P	H
		2485.48	45.36	-8.64	54	39.6	32.28	7.91	34.43	100	62	A	H
		2384.97	66.83	-7.17	74	61.19	32.16	7.75	34.27	128	58	P	V
		2390	51.55	-2.45	54	45.92	32.18	7.75	34.3	128	58	A	V
	*	2425.551	107.3	-	-	101.6	32.22	7.83	34.35	128	58	P	V
	*	2425.802	96.5	-	-	90.8	32.22	7.83	34.35	128	58	A	V
		2484.84	60.75	-13.25	74	54.99	32.28	7.91	34.43	128	58	P	V
		2493.6	45.99	-8.01	54	40.26	32.3	7.91	34.48	128	58	A	V
802.11n HT40 CH 06 2437MHz		2343.21	58.09	-15.91	74	52.55	32.11	7.68	34.25	100	64	P	H
		2347.35	45.29	-8.71	54	39.75	32.11	7.68	34.25	100	64	A	H
	*	2432.147	100.78	-	-	95.08	32.22	7.83	34.35	100	64	P	H
	*	2431.646	89.75	-	-	84.05	32.22	7.83	34.35	100	64	A	H
		2484.56	59.22	-14.78	74	53.46	32.28	7.91	34.43	100	64	P	H
		2488.12	45.62	-8.38	54	39.84	32.3	7.91	34.43	100	64	A	H
		2388	61.57	-12.43	74	55.91	32.18	7.75	34.27	100	121	P	V
		2388.3	46.62	-7.38	54	40.96	32.18	7.75	34.27	100	121	A	V
	*	2432.147	108.37	-	-	102.67	32.22	7.83	34.35	100	121	P	V
	*	2434.486	97.89	-	-	92.19	32.22	7.83	34.35	100	121	A	V
		2483.6	62.91	-11.09	74	57.15	32.28	7.91	34.43	100	121	P	V
		2483.68	47.71	-6.29	54	41.95	32.28	7.91	34.43	100	121	A	V



<b>802.11n</b> <b>HT40</b> <b>CH 09</b> <b>2452MHz</b>		2389.92	58.02	-15.98	74	52.39	32.18	7.75	34.3	100	27	P	H
		2333.58	45.34	-8.66	54	39.87	32.09	7.6	34.22	100	27	A	H
	*	2467.301	100.51	-	-	94.77	32.26	7.91	34.43	100	27	P	H
	*	2466.132	89.27	-	-	83.49	32.26	7.91	34.39	100	27	A	H
		2483.52	60.09	-13.91	74	54.33	32.28	7.91	34.43	100	27	P	H
		2483.64	46.56	-7.44	54	40.8	32.28	7.91	34.43	100	27	A	H
		2388.48	61.07	-12.93	74	55.41	32.18	7.75	34.27	189	344	P	V
		2349.15	45.94	-8.06	54	40.4	32.11	7.68	34.25	189	344	A	V
	*	2467.552	107.09	-	-	101.35	32.26	7.91	34.43	189	344	P	V
	*	2467.885	96.18	-	-	90.44	32.26	7.91	34.43	189	344	A	V
		2483.52	69.64	-4.36	74	63.88	32.28	7.91	34.43	189	344	P	V
		2483.92	53.45	-0.55	54	47.69	32.28	7.91	34.43	189	344	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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		4844	46.73	-27.27	74	60.18	34.28	11.16	58.89	100	0	P	H
		7266	48.3	-25.7	74	55.33	35.6	15.06	57.69	100	0	P	H
													H
													H
		4842	54.15	-19.85	74	67.6	34.28	11.16	58.89	142	284	P	V
		4842	38.66	-15.34	54	52.11	34.28	11.16	58.89	142	284	A	V
		7266	53.7	-20.3	74	60.73	35.6	15.06	57.69	196	185	P	V
		7266	43.23	-10.77	54	50.26	35.6	15.06	57.69	196	185	A	V
802.11n HT40 CH 06 2437MHz		4872	48.91	-25.09	74	62.23	34.3	11.21	58.83	100	0	P	H
		7308	49.16	-24.84	74	56.21	35.6	15.08	57.73	100	0	P	H
													H
													H
		4874	58.56	-15.44	74	71.88	34.3	11.21	58.83	164	293	P	V
		4874	41.06	-12.94	54	54.38	34.3	11.21	58.83	164	293	A	V
		7313	57.15	-16.85	74	64.2	35.6	15.08	57.73	100	137	P	V
		7313	44.07	-9.93	54	51.12	35.6	15.08	57.73	100	137	A	V
802.11n HT40 CH 09 2452MHz		4902	50.58	-23.42	74	63.74	34.33	11.27	58.76	100	0	P	H
		7356	49.9	-24.1	74	56.96	35.6	15.11	57.77	100	0	P	H
													H
													H
		4902	58.33	-15.67	74	71.49	34.33	11.27	58.76	144	174	P	V
		4902	43.41	-10.59	54	56.57	34.33	11.27	58.76	144	174	A	V
		7356	57.65	-16.35	74	64.71	35.6	15.11	57.77	128	136	P	V
		7356	46.36	-7.64	54	53.42	35.6	15.11	57.77	128	136	A	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 802.11n HT40 (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 802.11n HT40 LF		69.15	20.41	-19.59	40	43.31	6.32	2.06	31.28			P	H
		167.43	34.18	-9.32	43.5	52.96	9.74	2.61	31.13			P	H
		234.12	24.85	-21.15	46	42.31	10.58	2.96	31			P	H
		499.5	24.06	-21.94	46	32.9	17.99	3.77	30.6			P	H
		812.4	44.36	-1.64	46	47.78	22.29	4.62	30.33	117	57	P	H
		960.1	34.9	-19.1	54	35.62	24.7	4.94	30.36			P	H
													H
													H
													H
													H
													H
													H
		54.84	26.61	-13.39	40	49.64	6.4	1.77	31.2			P	V
		166.08	29.45	-14.05	43.5	48.2	9.78	2.61	31.14			P	V
		290.28	22.75	-23.25	46	37.59	13.1	3.16	31.1			P	V
		401.5	22.76	-23.24	46	34.19	15.95	3.52	30.9			P	V
		734	26.62	-19.38	46	30.53	22.08	4.41	30.4			P	V
		821.5	38.95	-7.05	46	42.04	22.55	4.7	30.34	122	141	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



**Note symbol**

*	<b>Fundamental Frequency</b> 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 <b>over limit</b> line.
P/A	<b>P</b> eak or <b>A</b> verage
H/V	<b>H</b> orizontal or <b>V</b> 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”.**