



## Appendix B. Radiated Spurious Emission

Test Engineer :	Elvis Chen, Stan Hsieh, Karl Hou, Lewis He and Nick Yu	Temperature :	23~25°C
		Relative Humidity :	45~47%

&lt;For Sample 2&gt;

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		2339.7	60.94	-13.06	74	61.76	27.1	5.33	33.25	152	359	P	H
		2386.86	52.3	-1.7	54	52.92	27.23	5.39	33.24	152	359	A	H
	*	2410.771	112.5	-	-	113.02	27.28	5.42	33.22	152	359	P	H
	*	2410.855	109.94	-	-	110.46	27.28	5.42	33.22	152	359	A	H
													H
													H
		2380.11	53.45	-20.55	74	54.11	27.19	5.39	33.24	298	59	P	V
		2386.95	44.01	-9.99	54	44.63	27.23	5.39	33.24	298	59	A	V
	*	2413.193	105.46	-	-	105.98	27.28	5.42	33.22	298	59	P	V
	*	2413.11	102.97	-	-	103.49	27.28	5.42	33.22	298	59	A	V
													V
													V
802.11b CH 06 2437MHz		2339.88	60.01	-13.99	74	60.83	27.1	5.33	33.25	147	360	P	H
		2380.92	47.35	-6.65	54	48.01	27.19	5.39	33.24	147	360	A	H
	*	2438.076	112.92	-	-	113.34	27.37	5.42	33.21	147	360	P	H
	*	2438.159	110.22	-	-	110.64	27.37	5.42	33.21	147	360	A	H
		2486.32	58.73	-15.27	74	58.99	27.46	5.46	33.18	147	360	P	H
		2492.92	48.55	-5.45	54	48.76	27.5	5.46	33.17	147	360	A	H
		2384.61	53.11	-20.89	74	53.77	27.19	5.39	33.24	271	72	P	V
		2380.83	43.72	-10.28	54	44.38	27.19	5.39	33.24	271	72	A	V
	*	2438.076	106.01	-	-	106.43	27.37	5.42	33.21	271	72	P	V
	*	2438.159	103.53	-	-	103.95	27.37	5.42	33.21	271	72	A	V
		2489.24	54.07	-19.93	74	54.29	27.5	5.46	33.18	271	72	P	V
		2492.76	43.83	-10.17	54	44.04	27.5	5.46	33.17	271	72	A	V



<b>802.11b CH 11 2462MHz</b>	*	2460.872	111.33	-	-	111.68	27.41	5.44	33.2	167	360	P	H
	*	2460.955	108.88	-	-	109.23	27.41	5.44	33.2	167	360	A	H
		2487.56	61.21	-12.79	74	61.43	27.5	5.46	33.18	167	360	P	H
		2487.08	52.86	-1.14	54	53.12	27.46	5.46	33.18	167	360	A	H
													H
													H
	*	2463.126	105.83	-	-	106.18	27.41	5.44	33.2	326	61	P	V
	*	2463.209	103.27	-	-	103.62	27.41	5.44	33.2	326	61	A	V
		2486.72	56.53	-17.47	74	56.79	27.46	5.46	33.18	326	61	P	V
		2487.32	48.13	-5.87	54	48.39	27.46	5.46	33.18	326	61	A	V
													V
													V
<b>Remark</b>	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	41	-33	74	62.57	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	39.71	-34.29	74	61.28	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4872	42.09	-31.91	74	63.35	31.56	7.7	60.52	100	0	P	H
		7309	48.78	-25.22	74	64.04	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	42.52	-31.48	74	63.78	31.56	7.7	60.52	100	0	P	V
		7313	46.46	-27.54	74	61.72	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4926	40.5	-33.5	74	32.57	-500	7.93	-500	100	0	P	H
		7386	44.15	-29.85	74	34.62	-500	9.53	-500	100	0	P	H
													H
													H
		4926	39.62	-34.38	74	60.45	31.66	7.93	60.42	100	0	P	V
		7386	42.5	-31.5	74	57.79	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		2389.92	70.67	-3.33	74	71.27	27.23	5.39	33.22	152	359	P	H
		2390	52.82	-1.18	54	53.42	27.23	5.39	33.22	152	359	A	H
	*	2410	109.55	-	-	110.07	27.28	5.42	33.22	152	359	P	H
	*	2410	101.21	-	-	101.73	27.28	5.42	33.22	152	359	A	H
													H
													H
		2389.92	63.56	-10.44	74	64.16	27.23	5.39	33.22	105	62	P	V
		2390	46.86	-7.14	54	47.46	27.23	5.39	33.22	105	62	A	V
	*	2414	101.39	-	-	101.91	27.28	5.42	33.22	105	62	P	V
	*	2414	93.78	-	-	94.3	27.28	5.42	33.22	105	62	A	V
													V
													V
802.11g CH 06 2437MHz		2339.7	61.1	-12.9	74	61.92	27.1	5.33	33.25	113	345	P	H
		2384.61	51.3	-2.7	54	51.96	27.19	5.39	33.24	113	345	A	H
	*	2437	112.19	-	-	112.61	27.37	5.42	33.21	113	345	P	H
	*	2437	104.25	-	-	104.67	27.37	5.42	33.21	113	345	A	H
		2491.04	62.58	-11.42	74	62.8	27.5	5.46	33.18	113	345	P	H
		2489.32	52.99	-1.01	54	53.21	27.5	5.46	33.18	113	345	A	H
		2384.79	55.67	-18.33	74	56.33	27.19	5.39	33.24	100	50	P	V
		2384.61	46.95	-7.05	54	47.61	27.19	5.39	33.24	100	50	A	V
	*	2437	106.94	-	-	107.36	27.37	5.42	33.21	100	50	P	V
	*	2437	99.18	-	-	99.6	27.37	5.42	33.21	100	50	A	V
		2484.72	58.71	-15.29	74	58.97	27.46	5.46	33.18	100	50	P	V
		2489.32	48.53	-5.47	54	48.75	27.5	5.46	33.18	100	50	A	V



<b>802.11g CH 11 2462MHz</b>	*	2464	108.76	-	-	109.11	27.41	5.44	33.2	117	354	P	H
	*	2460	99.08	-	-	99.43	27.41	5.44	33.2	117	354	A	H
		2483.84	68.98	-5.02	74	69.24	27.46	5.46	33.18	117	354	P	H
		2483.52	52.99	-1.01	54	53.25	27.46	5.46	33.18	117	354	A	H
													H
													H
	*	2464	102.62	-	-	102.97	27.41	5.44	33.2	120	59	P	V
	*	2464	94.58	-	-	94.93	27.41	5.44	33.2	120	59	A	V
		2483.56	64.71	-9.29	74	64.97	27.46	5.46	33.18	120	59	P	V
		2483.52	49.07	-4.93	54	49.33	27.46	5.46	33.18	120	59	A	V
													V
													V
<b>Remark</b>	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	38.07	-35.93	74	59.64	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	37.87	-36.13	74	59.44	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	39.56	-34.44	74	60.82	31.56	7.7	60.52	100	0	P	H
		7309	46.47	-27.53	74	61.73	36.18	9.49	60.93	100	0	P	H
													H
													H
		4874	38.57	-35.43	74	59.83	31.56	7.7	60.52	100	0	P	V
		7309	44.31	-29.69	74	59.57	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4926	37.54	-36.46	74	58.37	31.66	7.93	60.42	100	0	P	H
		7386	40.4	-33.6	74	55.69	36.37	9.53	61.19	100	0	P	H
													H
													H
		4926	37.45	-36.55	74	58.28	31.66	7.93	60.42	100	0	P	V
		7386	41.84	-32.16	74	57.13	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		2388.48	67.72	-6.28	74	68.34	27.23	5.39	33.24	153	357	P	H
		2390	53	-1	54	53.6	27.23	5.39	33.22	153	357	A	H
	*	2410	107.42	-	-	107.94	27.28	5.42	33.22	153	357	P	H
	*	2410	99.33	-	-	99.85	27.28	5.42	33.22	153	357	A	H
													H
													H
		2389.65	62.09	-11.91	74	62.71	27.23	5.39	33.24	102	63	P	V
		2390	45.43	-8.57	54	46.03	27.23	5.39	33.22	102	63	A	V
	*	2414	100.48	-	-	101	27.28	5.42	33.22	102	63	P	V
	*	2414	91.74	-	-	92.26	27.28	5.42	33.22	102	63	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2340.24	60.18	-13.82	74	61	27.1	5.33	33.25	113	354	P	H
		2384.61	51.18	-2.82	54	51.84	27.19	5.39	33.24	113	354	A	H
	*	2435	110.99	-	-	111.46	27.32	5.42	33.21	113	354	P	H
	*	2439	103.47	-	-	103.89	27.37	5.42	33.21	113	354	A	H
		2491.24	62.19	-11.81	74	62.41	27.5	5.46	33.18	113	354	P	H
		2489.36	52.28	-1.72	54	52.5	27.5	5.46	33.18	113	354	A	H
		2384.7	53.27	-20.73	74	53.93	27.19	5.39	33.24	100	70	P	V
		2384.7	43.53	-10.47	54	44.19	27.19	5.39	33.24	100	70	A	V
	*	2439	104.86	-	-	105.28	27.37	5.42	33.21	100	70	P	V
	*	2435	97.19	-	-	97.66	27.32	5.42	33.21	100	70	A	V
		2488.48	56.61	-17.39	74	56.83	27.5	5.46	33.18	100	70	P	V
		2489.36	46.83	-7.17	54	47.05	27.5	5.46	33.18	100	70	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2460	105.66	-	-	106.01	27.41	5.44	33.2	165	356	P	H
	*	2464	97.99	-	-	98.34	27.41	5.44	33.2	165	356	A	H
		2484.48	67.12	-6.88	74	67.38	27.46	5.46	33.18	165	356	P	H
		2483.52	52.39	-1.61	54	52.65	27.46	5.46	33.18	165	356	A	H
													H
													H
	*	2464	99.5	-	-	99.85	27.41	5.44	33.2	119	59	P	V
	*	2464	91.75	-	-	92.1	27.41	5.44	33.2	119	59	A	V
		2483.8	60.62	-13.38	74	60.88	27.46	5.46	33.18	119	59	P	V
		2483.52	46.49	-7.51	54	46.75	27.46	5.46	33.18	119	59	A	V
													V
													V
<b>Remark</b>	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	39.05	-34.95	74	60.62	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	38.54	-35.46	74	60.11	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4872	38.43	-35.57	74	59.69	31.56	7.7	60.52	100	0	P	H
		7309	47.56	-26.44	74	62.82	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	38.16	-35.84	74	59.42	31.56	7.7	60.52	100	0	P	V
		7309	44.32	-29.68	74	59.58	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4926	37.97	-36.03	74	58.8	31.66	7.93	60.42	100	0	P	H
		7386	41.31	-32.69	74	56.6	36.37	9.53	61.19	100	0	P	H
													H
													H
		4926	37.95	-36.05	74	58.78	31.66	7.93	60.42	100	0	P	V
		7386	41.92	-32.08	74	57.21	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 802.11b (LF)**

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 )
<b>2.4GHz 802.11b LF</b>		80.49	29.45	-10.55	40	53.21	8	0.93	32.69	-	-	P	H
		85.62	30.45	-9.55	40	53.38	8.6	1.14	32.67	125	98	P	H
		117.21	33.84	-9.66	43.5	53.59	11.76	1.14	32.65	-	-	P	H
		545	20.76	-25.24	46	32.61	18.65	2.47	32.97	-	-	P	H
		825	26.95	-19.05	46	34.32	22.3	3.07	32.74	-	-	P	H
		871.2	26.71	-19.29	46	33.23	22.8	3.16	32.48	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.62	30.28	-9.72	40	43.53	18.92	0.65	32.82	-	-	P	V
		35.94	30.79	-9.21	40	46.21	16.74	0.65	32.81	109	117	P	V
		95.61	30.06	-13.44	43.5	51.64	9.92	1.14	32.64	-	-	P	V
		302.8	21.06	-24.94	46	38.03	13.88	1.88	32.73	-	-	P	V
		342.7	20.19	-25.81	46	36.05	14.98	1.94	32.78	-	-	P	V
		477.1	23.74	-22.26	46	36.56	17.78	2.3	32.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line.												



&lt;For Sample 1&gt;

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		2389.38	61.39	-12.61	74	62.01	27.23	5.39	33.24	100	317	P	H
		2390	46.54	-7.46	54	47.14	27.23	5.39	33.22	100	317	A	H
	*	2413.368	99.59	-	-	100.11	27.28	5.42	33.22	100	317	P	H
	*	2413.205	91.49	-	-	92.01	27.28	5.42	33.22	100	317	A	H
													H
													H
		2389.56	66.2	-7.8	74	66.82	27.23	5.39	33.24	123	333	P	V
		2390	51.51	-2.49	54	52.11	27.23	5.39	33.22	123	333	A	V
	*	2410.431	106.53	-	-	107.05	27.28	5.42	33.22	123	333	P	V
	*	2413.366	98.54	-	-	99.06	27.28	5.42	33.22	123	333	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	37.4	-36.6	74	58.97	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	37.8	-36.2	74	59.37	31.46	7.58	60.61	100	0	P	V
													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 802.11n HT20 (LF)**

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 )
<b>2.4GHz 802.11n HT20 LF</b>		86.16	29.72	-10.28	40	52.53	8.72	1.14	32.67	-	-	P	H
		106.14	35.1	-8.4	43.5	55.6	11	1.14	32.64	100	66	P	H
		112.89	32.2	-11.3	43.5	52.16	11.54	1.14	32.64	-	-	P	H
		311.2	18.34	-27.66	46	35.08	14.12	1.88	32.74	-	-	P	H
		745.9	29.17	-16.83	46	37.68	21.52	2.91	32.94	-	-	P	H
		944	26.25	-19.75	46	30.62	24.17	3.29	31.83	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.27	34.17	-5.83	40	46.34	20	0.65	32.82	111	96	P	V
		35.67	28.5	-11.5	40	43.92	16.74	0.65	32.81	-	-	P	V
		85.08	25.14	-14.86	40	48.07	8.6	1.14	32.67	-	-	P	V
		461	20.49	-25.51	46	33.59	17.49	2.3	32.89	-	-	P	V
		737.5	25.48	-20.52	46	34.17	21.35	2.91	32.95	-	-	P	V
		939.1	26.1	-19.9	46	30.63	24.06	3.29	31.88	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line.												



&lt;For Sample 3&gt;

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		2389.92	64.42	-9.58	74	65.02	27.23	5.39	33.22	115	315	P	H
		2390.00	49.57	-4.43	54	50.17	27.23	5.39	33.22	115	315	A	H
	*	2412	105.76	-	-	106.28	27.28	5.42	33.22	115	315	P	H
	*	2412	97.39	-	-	97.91	27.28	5.42	33.22	115	315	A	H
													H
													H
		2389.65	61.55	-12.45	74	62.17	27.23	5.39	33.24	100	274	P	V
		2390.00	46.16	-7.84	54	46.76	27.23	5.39	33.22	100	274	A	V
	*	2412	102.21	-	-	102.73	27.28	5.42	33.22	100	274	P	V
	*	2412	93.64	-	-	94.16	27.28	5.42	33.22	100	274	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	37.21	-36.79	74	58.78	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	36.55	-37.45	74	58.12	31.46	7.58	60.61	100	0	P	V
													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 802.11n HT20 (LF)**

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 )
<b>2.4GHz 802.11n HT20 LF</b>		85.08	29.84	-10.16	40	52.77	8.6	1.14	32.67	128	318	P	H
		123.69	31.91	-11.59	43.5	51.48	11.94	1.14	32.65	-	-	P	H
		159.87	24.11	-19.39	43.5	44.37	11.1	1.33	32.69	-	-	P	H
		470.1	21.66	-24.34	46	34.6	17.66	2.3	32.9	-	-	P	H
		782.3	24.22	-21.78	46	32.22	21.93	2.97	32.9	-	-	P	H
		939.8	26.09	-19.91	46	30.59	24.08	3.29	31.87	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.35	36.28	-3.72	40	48.99	19.46	0.65	32.82	103	169	P	V
		66.18	30.34	-9.66	40	55.68	6.46	0.93	32.73	-	-	P	V
		112.62	25.22	-18.28	43.5	45.18	11.54	1.14	32.64	-	-	P	V
		409.9	24.87	-21.13	46	38.89	16.67	2.16	32.85	-	-	P	V
		645.8	23.02	-22.98	46	33.21	20.15	2.67	33.01	-	-	P	V
		949.6	26.54	-19.46	46	30.71	24.3	3.29	31.76	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	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.
!	Test result is <b>over limit</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>



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

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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
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”.**