



Appendix B. Radiated Spurious Emission

Test Engineer :	Peter Chiu, Citta Ke, and Nick Yu	Temperature :	21~22°C
		Relative Humidity :	52~55%

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		2386.86	58.48	-15.52	74	55.47	27.05	7.45	31.49	116	28	P	H	
		2388.435	49.82	-4.18	54	46.81	27.05	7.45	31.49	116	28	A	H	
	*	2412	108.06	-	-	105.01	27.09	7.45	31.49	116	28	P	H	
	*	2412	103.82	-	-	100.77	27.09	7.45	31.49	116	28	A	H	
													H	
														H
			2386.965	59.34	-14.66	74	56.33	27.05	7.45	31.49	337	202	P	V
			2388.435	51.51	-2.49	54	48.5	27.05	7.45	31.49	337	202	A	V
	*		2412	110.69	-	-	107.64	27.09	7.45	31.49	337	202	P	V
	*		2412	106.46	-	-	103.41	27.09	7.45	31.49	337	202	A	V
														V
														V
802.11b CH 06 2437MHz		2343.18	55.81	-18.19	74	53.01	26.93	7.37	31.5	114	27	P	H	
		2388.68	44.06	-9.94	54	41.05	27.05	7.45	31.49	114	27	A	H	
	*	2437	107.33	-	-	104.14	27.18	7.49	31.48	114	27	P	H	
	*	2437	103.15	-	-	99.96	27.18	7.49	31.48	114	27	A	H	
			2499.37	55.84	-18.16	74	52.47	27.3	7.53	31.46	114	27	P	H
			2499.51	43.9	-10.1	54	40.53	27.3	7.53	31.46	114	27	A	H
			2350.74	56.18	-17.82	74	53.38	26.93	7.37	31.5	323	190	P	V
			2387.98	44.21	-9.79	54	41.2	27.05	7.45	31.49	323	190	A	V
	*		2437	109.83	-	-	106.64	27.18	7.49	31.48	323	190	P	V
	*		2437	105.75	-	-	102.56	27.18	7.49	31.48	323	190	A	V
			2488.17	56.2	-17.8	74	52.84	27.3	7.53	31.47	323	190	P	V
			2486.63	44.14	-9.86	54	40.82	27.26	7.53	31.47	323	190	A	V



802.11b CH 11 2462MHz	*	2462	106.98	-	-	103.7	27.22	7.53	31.47	100	345	P	H
	*	2462	102.77	-	-	99.49	27.22	7.53	31.47	100	345	A	H
		2485.76	57.28	-16.72	74	53.96	27.26	7.53	31.47	100	345	P	H
		2483.56	48.56	-5.44	54	45.24	27.26	7.53	31.47	100	345	A	H
													H
													H
	*	2462	110.13	-	-	106.85	27.22	7.53	31.47	285	184	P	V
	*	2462	106.1	-	-	102.82	27.22	7.53	31.47	285	184	A	V
		2483.72	59.74	-14.26	74	56.42	27.26	7.53	31.47	285	184	P	V
		2483.52	52.53	-1.47	54	49.21	27.26	7.53	31.47	285	184	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	43.69	-30.31	74	59.83	31.26	10.74	58.14	100	0	P	H	
													H	
													H	
													H	
			4824	40.54	-33.46	74	56.68	31.26	10.74	58.14	100	0	P	V
														V
														V
802.11b CH 06 2437MHz		4872	45.05	-28.95	74	60.93	31.33	10.89	58.1	100	0	P	H	
		7314	52.25	-1.75	54	61.09	36.07	14.18	59.09	389	131	A	H	
		7314	57.39	-16.61	74	66.23	36.07	14.18	59.09	389	131	P	H	
													H	
			4872	43.93	-30.07	74	59.81	31.33	10.89	58.1	100	0	P	V
			7314	50.92	-3.08	54	59.76	36.07	14.18	59.09	358	177	A	V
			7314	55.94	-18.06	74	64.78	36.07	14.18	59.09	358	177	P	V
802.11b CH 11 2462MHz		4924	45.99	-28.01	74	61.61	31.4	11.04	58.06	100	0	P	H	
		7386	52.27	-21.73	74	60.83	36.31	14.27	59.14	100	0	P	H	
													H	
													H	
			4924	45.61	-28.39	74	61.23	31.4	11.04	58.06	100	0	P	V
			7386	51.83	-22.17	74	60.39	36.31	14.27	59.14	100	0	P	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+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		2389.59	59.25	-14.75	74	56.24	27.05	7.45	31.49	100	346	P	H	
		2389.59	48.27	-5.73	54	45.26	27.05	7.45	31.49	100	346	A	H	
	*	2412	103.05	-	-	100	27.09	7.45	31.49	100	346	P	H	
	*	2412	94.12	-	-	91.07	27.09	7.45	31.49	100	346	A	H	
													H	
														H
			2390	67.99	-6.01	74	64.98	27.05	7.45	31.49	300	205	P	V
			2390	52.57	-1.43	54	49.56	27.05	7.45	31.49	300	205	A	V
	*		2412	108.65	-	-	105.6	27.09	7.45	31.49	300	205	P	V
	*		2412	98.59	-	-	95.54	27.09	7.45	31.49	300	205	A	V
														V
														V
802.11g CH 06 2437MHz		2388.82	60.71	-13.29	74	57.7	27.05	7.45	31.49	100	345	P	H	
		2387.98	45.29	-8.71	54	42.28	27.05	7.45	31.49	100	345	A	H	
	*	2439	107.7	-	-	104.51	27.18	7.49	31.48	100	345	P	H	
	*	2439	97.86	-	-	94.67	27.18	7.49	31.48	100	345	A	H	
			2493.56	55.76	-18.24	74	52.39	27.3	7.53	31.46	100	345	P	H
			2498.53	44.81	-9.19	54	41.44	27.3	7.53	31.46	100	345	A	H
			2389.8	61.34	-12.66	74	58.33	27.05	7.45	31.49	308	229	P	V
			2388.82	46.85	-7.15	54	43.84	27.05	7.45	31.49	308	229	A	V
	*		2438	111.15	-	-	107.96	27.18	7.49	31.48	308	229	P	V
	*		2438	101.93	-	-	98.74	27.18	7.49	31.48	308	229	A	V
			2488.24	56.19	-17.81	74	52.83	27.3	7.53	31.47	308	229	P	V
			2483.76	45.18	-8.82	54	41.86	27.26	7.53	31.47	308	229	A	V



802.11g CH 11 2462MHz	*	2464	106.18	-	-	102.9	27.22	7.53	31.47	116	347	P	H
	*	2464	96.39	-	-	93.11	27.22	7.53	31.47	116	347	A	H
		2483.52	66.52	-7.48	74	63.2	27.26	7.53	31.47	116	347	P	H
		2483.52	49.9	-4.1	54	46.58	27.26	7.53	31.47	116	347	A	H
													H
													H
	*	2464	108.11	-	-	104.83	27.22	7.53	31.47	293	239	P	V
	*	2464	98.79	-	-	95.51	27.22	7.53	31.47	293	239	A	V
		2483.84	68.16	-5.84	74	64.84	27.26	7.53	31.47	293	239	P	V
		2483.52	52.44	-1.56	54	49.12	27.26	7.53	31.47	293	239	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	38.34	-35.66	74	54.48	31.26	10.74	58.14	100	0	P	H	
													H	
													H	
													H	
			4824	37.71	-36.29	74	53.85	31.26	10.74	58.14	100	0	P	V
														V
														V
802.11g CH 06 2437MHz		4874	42.53	-31.47	74	58.41	31.33	10.89	58.1	387	129	P	H	
		7311	45.82	-8.18	54	54.66	36.07	14.18	59.09	387	129	A	H	
		7311	55.56	-18.44	74	64.4	36.07	14.18	59.09	387	129	P	H	
													H	
			4874	44.44	-29.56	74	60.32	31.33	10.89	58.1	100	0	P	V
			7311	43.81	-10.19	54	52.65	36.07	14.18	59.09	358	176	A	V
			7311	53.76	-20.24	74	62.6	36.07	14.18	59.09	358	176	P	V
802.11g CH 11 2462MHz		4924	40.49	-33.51	74	56.11	31.4	11.04	58.06	100	0	P	H	
		7386	48.97	-25.03	74	57.53	36.31	14.27	59.14	100	0	P	H	
													H	
													H	
			4924	40.17	-33.83	74	55.79	31.4	11.04	58.06	100	0	P	V
			7386	50.36	-23.64	74	58.92	36.31	14.27	59.14	100	0	P	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		2313.045	61.13	-12.87	74	58.51	26.84	7.3	31.52	132	2	P	H	
		2390	50.66	-3.34	54	47.65	27.05	7.45	31.49	132	2	A	H	
	*	2410	102.51	-	-	99.46	27.09	7.45	31.49	132	2	P	H	
	*	2412	91.53	-	-	88.48	27.09	7.45	31.49	132	2	A	H	
													H	
														H
			2390	63.41	-10.59	74	60.4	27.05	7.45	31.49	295	210	P	V
			2389.8	52.37	-1.63	54	49.36	27.05	7.45	31.49	295	210	A	V
		*	2412	106.55	-	-	103.5	27.09	7.45	31.49	295	210	P	V
		*	2412	95.32	-	-	92.27	27.09	7.45	31.49	295	210	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2389.94	55.81	-18.19	74	52.8	27.05	7.45	31.49	106	344	P	H	
		2389.8	45.33	-8.67	54	42.32	27.05	7.45	31.49	106	344	A	H	
	*	2437	106.26	-	-	103.07	27.18	7.49	31.48	106	344	P	H	
	*	2437	95.89	-	-	92.7	27.18	7.49	31.48	106	344	A	H	
			2498.04	56.87	-17.13	74	53.5	27.3	7.53	31.46	106	344	P	H
			2489.29	44.73	-9.27	54	41.37	27.3	7.53	31.47	106	344	A	H
			2387.28	59.25	-14.75	74	56.24	27.05	7.45	31.49	300	228	P	V
			2389.8	46.55	-7.45	54	43.54	27.05	7.45	31.49	300	228	A	V
		*	2440	110.26	-	-	107.07	27.18	7.49	31.48	300	228	P	V
		*	2436	99.84	-	-	96.7	27.13	7.49	31.48	300	228	A	V
		2486.28	56.86	-17.14	74	53.54	27.26	7.53	31.47	300	228	P	V	
		2485.44	45.26	-8.74	54	41.94	27.26	7.53	31.47	300	228	A	V	



802.11n HT20 CH 11 2462MHz	*	2464	103.49	-	-	100.21	27.22	7.53	31.47	128	0	P	H
	*	2462	93.73	-	-	90.45	27.22	7.53	31.47	128	0	A	H
		2483.72	62.09	-11.91	74	58.77	27.26	7.53	31.47	128	0	P	H
		2483.52	49.42	-4.58	54	46.1	27.26	7.53	31.47	128	0	A	H
													H
													H
	*	2460	106.77	-	-	103.53	27.22	7.49	31.47	279	233	P	V
	*	2464	96.24	-	-	92.96	27.22	7.53	31.47	279	233	A	V
		2483.52	67.62	-6.38	74	64.3	27.26	7.53	31.47	279	233	P	V
		2483.52	52.69	-1.31	54	49.37	27.26	7.53	31.47	279	233	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	38.28	-35.72	74	54.42	31.26	10.74	58.14	100	0	P	H	
													H	
													H	
													H	
			4824	37.48	-36.52	74	53.62	31.26	10.74	58.14	100	0	P	V
														V
														V
802.11n HT20 CH 06 2437MHz		4874	41	-33	74	56.88	31.33	10.89	58.1	100	0	P	H	
		7311	45.18	-8.82	54	54.02	36.07	14.18	59.09	388	131	A	H	
		7311	58.26	-15.74	74	67.1	36.07	14.18	59.09	388	131	P	H	
													H	
			4874	44.34	-29.66	74	60.22	31.33	10.89	58.1	100	0	P	V
			7311	42.52	-11.48	54	51.36	36.07	14.18	59.09	372	169	A	V
			7311	56.05	-17.95	74	64.89	36.07	14.18	59.09	372	169	P	V
802.11n HT20 CH 11 2462MHz		4924	39.89	-34.11	74	55.51	31.4	11.04	58.06	100	0	P	H	
		7386	47.91	-26.09	74	56.47	36.31	14.27	59.14	100	0	P	H	
													H	
													H	
			4924	39.25	-34.75	74	54.87	31.4	11.04	58.06	100	0	P	V
			7386	48.25	-25.75	74	56.81	36.31	14.27	59.14	100	0	P	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		2389.94	59.16	-14.84	74	56.15	27.05	7.45	31.49	130	0	P	H
		2388.26	50.09	-3.91	54	47.08	27.05	7.45	31.49	130	0	A	H
	*	2422	97.27	-	-	94.13	27.13	7.49	31.48	130	0	P	H
	*	2422	96.29	-	-	93.15	27.13	7.49	31.48	130	0	A	H
		2494.61	55.98	-18.02	74	52.61	27.3	7.53	31.46	130	0	P	H
		2489.85	45.66	-8.34	54	42.3	27.3	7.53	31.47	130	0	A	H
		2387.84	64.26	-9.74	74	61.25	27.05	7.45	31.49	292	210	P	V
		2388.96	52.22	-1.78	54	49.21	27.05	7.45	31.49	292	210	A	V
	*	2422	100.53	-	-	97.39	27.13	7.49	31.48	292	210	P	V
	*	2422	90.23	-	-	87.09	27.13	7.49	31.48	292	210	A	V
		2493.77	56.33	-17.67	74	52.96	27.3	7.53	31.46	292	210	P	V
		2495.52	45.72	-8.28	54	42.35	27.3	7.53	31.46	292	210	A	V
802.11n HT40 CH 06 2437MHz		2389.94	63.3	-10.7	74	60.29	27.05	7.45	31.49	111	26	P	H
		2389.66	50.5	-3.5	54	47.49	27.05	7.45	31.49	111	26	A	H
	*	2437	100.84	-	-	97.65	27.18	7.49	31.48	111	26	P	H
	*	2437	90.41	-	-	87.22	27.18	7.49	31.48	111	26	A	H
		2484.46	56.6	-17.4	74	53.28	27.26	7.53	31.47	111	26	P	H
		2483.62	46.37	-7.63	54	43.05	27.26	7.53	31.47	111	26	A	H
		2387.7	63.49	-10.51	74	60.48	27.05	7.45	31.49	298	228	A	V
		2389.94	52.88	-1.12	54	49.87	27.05	7.45	31.49	298	228	P	V
	*	2437	104.12	-	-	100.93	27.18	7.49	31.48	298	228	A	V
	*	2437	93.82	-	-	90.63	27.18	7.49	31.48	298	228	P	V
		2483.62	59.06	-14.94	74	55.74	27.26	7.53	31.47	298	228	A	V
		2483.76	48.14	-5.86	54	44.82	27.26	7.53	31.47	298	228	P	V



802.11n HT40 CH 09 2452MHz		2361.38	56.32	-17.68	74	53.48	26.97	7.37	31.5	182	0	P	H
		2364.88	45.56	-8.44	54	42.71	26.97	7.37	31.49	182	0	A	H
	*	2452	99.71	-	-	96.51	27.18	7.49	31.47	182	0	P	H
	*	2450	88.53	-	-	85.33	27.18	7.49	31.47	182	0	A	H
		2483.5	60.89	-13.11	74	57.57	27.26	7.53	31.47	182	0	P	H
		2483.5	50.54	-3.46	54	47.22	27.26	7.53	31.47	182	0	A	H
		2362.5	55.94	-18.06	74	53.1	26.97	7.37	31.5	254	238	P	V
		2389.94	45.65	-8.35	54	42.64	27.05	7.45	31.49	254	238	A	V
	*	2452	103.03	-	-	99.83	27.18	7.49	31.47	254	238	P	V
	*	2452	92.01	-	-	88.81	27.18	7.49	31.47	254	238	A	V
		2484.25	63.18	-10.82	74	59.86	27.26	7.53	31.47	254	238	P	V
		2483.5	52.74	-1.26	54	49.42	27.26	7.53	31.47	254	238	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		4844	36.6	-37.4	74	52.7	31.28	10.74	58.12	100	0	P	H
		7266	42.3	-31.7	74	51.26	35.97	14.14	59.07	100	0	P	H
													H
													H
		4844	37.34	-36.66	74	53.44	31.28	10.74	58.12	100	0	P	V
		7266	42.46	-31.54	74	51.42	35.97	14.14	59.07	100	0	P	V
802.11n HT40 CH 06 2437MHz		4872	37.99	-36.01	74	53.87	31.33	10.89	58.1	100	0	P	H
		7308	44.84	-29.16	74	53.68	36.07	14.18	59.09	100	0	P	H
													H
													H
		4872	38.53	-35.47	74	54.41	31.33	10.89	58.1	100	0	P	V
		7308	43.27	-30.73	74	52.11	36.07	14.18	59.09	100	0	P	V
802.11n HT40 CH 09 2452MHz		4902	37.76	-36.24	74	53.41	31.38	11.04	58.07	100	0	P	H
		7356	42.29	-31.71	74	50.98	36.21	14.22	59.12	100	0	P	H
													H
													H
		4902	37.29	-36.71	74	52.94	31.38	11.04	58.07	100	0	P	V
		7356	41.88	-32.12	74	50.57	36.21	14.22	59.12	100	0	P	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 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		64.83	36.7	-3.3	40	56.04	12.05	1.06	32.45	100	129	P	H	
		120.18	39.13	-4.37	43.5	52.53	17.6	1.43	32.43			P	H	
		129.09	40	-3.5	43.5	53.03	17.96	1.43	32.42			P	H	
		339.9	25.57	-20.43	46	34.84	20.68	2.34	32.29			P	H	
		656.3	27.02	-18.98	46	29.77	26.05	3.61	32.41			P	H	
		805.4	40.78	-5.22	46	40.93	27.88	4.14	32.17			P	H	
														H
														H
														H
														H
														H
														H
														H
			38.91	36.34	-3.66	40	47.16	20.86	0.78	32.46			P	V
			55.38	38.58	-1.42	40	56.91	13.35	0.78	32.46	100	59	P	V
			55.38	35.36	-4.64	40	53.69	13.35	0.78	32.46	100	59	QP	V
			66.45	36.69	-3.31	40	55.93	12.15	1.06	32.45			P	V
			493.2	36.95	-9.05	46	42.39	23.88	3.08	32.4			P	V
			801.9	33.98	-12.02	46	34.2	27.83	4.14	32.19			P	V
			956.6	33.44	-12.56	46	29.54	30.22	4.75	31.07			P	V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<EUT with RJ-45>

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

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)
802.11n HT40 CH 09 2452MHz		2364.6	55.9	-18.1	74	53.05	26.97	7.37	31.49	123	22	P	H
		2349.48	45.44	-8.56	54	42.64	26.93	7.37	31.5	123	22	A	H
	*	2450	99.22	-	-	96.02	27.18	7.49	31.47	123	22	P	H
	*	2450	89.79	-	-	86.59	27.18	7.49	31.47	123	22	A	H
		2483.69	59.31	-14.69	74	55.99	27.26	7.53	31.47	123	22	P	H
		2484.18	49.46	-4.54	54	46.14	27.26	7.53	31.47	123	22	A	H
		2363.2	56.27	-17.73	74	53.43	26.97	7.37	31.5	254	230	P	V
		2388.96	45.44	-8.56	54	42.43	27.05	7.45	31.49	254	230	A	V
	*	2450	102.98	-	-	99.78	27.18	7.49	31.47	254	230	P	V
	*	2450	91.95	-	-	88.75	27.18	7.49	31.47	254	230	A	V
		2484.18	62.51	-11.49	74	59.19	27.26	7.53	31.47	254	230	P	V
	2483.76	52.48	-1.52	54	49.16	27.26	7.53	31.47	254	230	A	V	

Remark	3. No other spurious found.
	4. 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 09 2452MHz		4902	41.12	-32.88	74	56.77	31.38	11.04	58.07	100	0	P	H	
		7356	42.96	-31.04	74	51.65	36.21	14.22	59.12	100	0	P	H	
													H	
													H	
			4902	40.56	-33.44	74	56.21	31.38	11.04	58.07	100	0	P	V
			7356	42.43	-31.57	74	51.12	36.21	14.22	59.12	100	0	P	V
														V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.													



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		45.39	22.79	-17.21	40	37.4	17.07	0.78	32.46			P	H	
		142.05	28.04	-15.46	43.5	40.99	17.72	1.75	32.42			P	H	
		196.59	32.48	-11.02	43.5	47.54	15.65	1.7	32.41			P	H	
		312.6	25.95	-20.05	46	35.98	19.88	2.34	32.25			P	H	
		596.8	25.35	-20.65	46	28.92	25.33	3.5	32.4			P	H	
		805.4	36.98	-9.02	46	37.13	27.88	4.14	32.17	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			45.12	39.49	-0.51	40	54.1	17.07	0.78	32.46	100	112	P	V
			45.12	31.19	-8.81	40	45.8	17.07	0.78	32.46	100	112	QP	V
			55.92	35.89	-4.11	40	54.53	13.04	0.78	32.46			P	V
			109.92	28.39	-15.11	43.5	42.29	17.1	1.43	32.43			P	V
			303.5	28.77	-17.23	46	39.04	19.62	2.34	32.23			P	V
			375.6	20.09	-25.91	46	28.38	21.61	2.44	32.34			P	V
			801.9	31.99	-14.01	46	32.21	27.83	4.14	32.19			P	V
													V	
													V	
													V	
													V	
													V	
Remark	3. No other spurious found. 4. 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

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

For Peak Limit @ 2390MHz:

- 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)
- Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

- 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)
- 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”.