



## Appendix B. Radiated Spurious Emission

Test Engineer :	J.C. Liang and Jacky Hung	Temperature :	20~23°C
		Relative Humidity :	55~60%

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		2389.485	59.27	-14.73	74	57.12	27.25	8.89	33.99	263	307	P	H	
		2387.175	53.4	-0.6	54	51.25	27.25	8.89	33.99	263	307	A	H	
	*	2412	114.79	-	-	112.59	27.29	8.89	33.98	263	307	P	H	
	*	2412	111.05	-	-	108.85	27.29	8.89	33.98	263	307	A	H	
													H	
													H	
			2387.07	54.65	-19.35	74	52.5	27.25	8.89	33.99	384	360	P	V
			2387.175	47.53	-6.47	54	45.38	27.25	8.89	33.99	384	360	A	V
	*		2412	106.69	-	-	104.49	27.29	8.89	33.98	384	360	P	V
	*		2412	103.19	-	-	100.99	27.29	8.89	33.98	384	360	A	V
													V	
													V	
802.11b CH 06 2437MHz		2388.96	54.94	-19.06	74	52.79	27.25	8.89	33.99	290	317	P	H	
		2388.96	46.31	-7.69	54	44.16	27.25	8.89	33.99	290	317	A	H	
	*	2437	116.98	-	-	114.63	27.38	8.94	33.97	290	317	P	H	
	*	2437	113.46	-	-	111.11	27.38	8.94	33.97	290	317	A	H	
			2484.25	54.87	-19.13	74	52.38	27.46	8.98	33.95	290	317	P	H
			2484.67	47.03	-6.97	54	44.54	27.46	8.98	33.95	290	317	A	H
			2364.6	54.01	-19.99	74	52.01	27.17	8.82	33.99	369	225	P	V
			2389.94	43.8	-10.2	54	41.64	27.25	8.89	33.98	369	225	A	V
	*		2437	111.8	-	-	109.45	27.38	8.94	33.97	369	225	P	V
	*		2437	108.16	-	-	105.81	27.38	8.94	33.97	369	225	A	V
			2490.13	53.26	-20.74	74	50.73	27.5	8.98	33.95	369	225	P	V
			2484.67	43.83	-10.17	54	41.34	27.46	8.98	33.95	369	225	A	V



<b>802.11b</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	113.45	-	-	111.01	27.42	8.98	33.96	290	322	P	H
	*	2462	109.79	-	-	107.35	27.42	8.98	33.96	290	322	A	H
		2483.56	57.83	-16.17	74	55.34	27.46	8.98	33.95	290	322	P	H
		2483.52	52.61	-1.39	54	50.12	27.46	8.98	33.95	290	322	A	H
													H
													H
	*	2462	107.56	-	-	105.12	27.42	8.98	33.96	359	226	P	V
	*	2462	104.09	-	-	101.65	27.42	8.98	33.96	359	226	A	V
		2483.68	55.94	-18.06	74	53.45	27.46	8.98	33.95	359	226	P	V
		2483.64	48.46	-5.54	54	45.97	27.46	8.98	33.95	359	226	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+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	43.54	-30.46	74	52.54	31.32	10.77	51.09	100	0	P	H	
													H	
													H	
													H	
			4824	44.6	-29.4	74	53.6	31.32	10.77	51.09	100	0	P	V
														V
														V
802.11b CH 06 2437MHz		4874	41.04	-32.96	74	49.81	31.41	10.88	51.06	100	0	P	H	
		7311	51.58	-22.42	74	53.03	36.27	12.79	50.51	397	113	P	H	
		7311	48.06	-5.94	54	49.51	36.27	12.79	50.51	397	113	A	H	
													H	
			4874	40.04	-33.96	74	48.81	31.41	10.88	51.06	100	0	P	V
			7311	55.27	-18.73	74	56.72	36.27	12.79	50.51	295	334	P	V
			7311	51.23	-2.77	54	52.68	36.27	12.79	50.51	295	334	A	V
802.11b CH 11 2462MHz		4924	41.73	-32.27	74	50.28	31.49	11	51.04	100	0	P	H	
		7386	42.57	-31.43	74	43.69	36.51	12.88	50.51	100	0	P	H	
													H	
													H	
			4924	42.39	-31.61	74	50.94	31.49	11	51.04	100	0	P	V
			7386	45	-29	74	46.12	36.51	12.88	50.51	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		2390	63.83	-10.17	74	61.67	27.25	8.89	33.98	259	307	P	H	
		2390	53.12	-0.88	54	50.96	27.25	8.89	33.98	259	307	A	H	
	*	2412	110.3	-	-	108.1	27.29	8.89	33.98	259	307	P	H	
	*	2412	101.83	-	-	99.63	27.29	8.89	33.98	259	307	A	H	
													H	
													H	
			2389.905	62.42	-11.58	74	60.26	27.25	8.89	33.98	375	300	P	V
			2390	48.23	-5.77	54	46.07	27.25	8.89	33.98	375	300	A	V
	*		2412	104.19	-	-	101.99	27.29	8.89	33.98	375	300	P	V
	*		2412	95.86	-	-	93.66	27.29	8.89	33.98	375	300	A	V
													V	
													V	
802.11g CH 06 2437MHz		2389.94	61.37	-12.63	74	59.21	27.25	8.89	33.98	332	319	P	H	
		2389.94	49.88	-4.12	54	47.72	27.25	8.89	33.98	332	319	A	H	
	*	2437	116.64	-	-	114.29	27.38	8.94	33.97	332	319	P	H	
	*	2437	108.52	-	-	106.17	27.38	8.94	33.97	332	319	A	H	
			2484.46	66.68	-7.32	74	64.19	27.46	8.98	33.95	332	319	P	H
			2483.5	52.81	-1.19	54	50.32	27.46	8.98	33.95	332	319	A	H
			2389.66	58.9	-15.1	74	56.75	27.25	8.89	33.99	370	224	P	V
			2389.94	46.68	-7.32	54	44.52	27.25	8.89	33.98	370	224	A	V
	*		2437	112.23	-	-	109.88	27.38	8.94	33.97	370	224	P	V
	*		2437	104.15	-	-	101.8	27.38	8.94	33.97	370	224	A	V
			2483.83	61.13	-12.87	74	58.64	27.46	8.98	33.95	370	224	P	V
			2483.5	47.57	-6.43	54	45.08	27.46	8.98	33.95	370	224	A	V



<b>802.11g</b>  <b>CH 11</b>  <b>2462MHz</b>	*	2462	108.2	-	-	105.76	27.42	8.98	33.96	289	322	P	H
	*	2462	99.45	-	-	97.01	27.42	8.98	33.96	289	322	A	H
		2483.68	66.95	-7.05	74	64.46	27.46	8.98	33.95	289	322	P	H
		2483.52	52.92	-1.08	54	50.43	27.46	8.98	33.95	289	322	A	H
													H
													H
	*	2462	101.44	-	-	99	27.42	8.98	33.96	400	295	P	V
	*	2462	93.41	-	-	90.97	27.42	8.98	33.96	400	295	A	V
		2483.52	60.95	-13.05	74	58.46	27.46	8.98	33.95	400	295	P	V
		2483.52	47.9	-6.1	54	45.41	27.46	8.98	33.95	400	295	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+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	32.29	-41.71	74	41.29	31.32	10.77	51.09	100	0	P	H	
													H	
													H	
													H	
			4824	32.58	-41.42	74	41.58	31.32	10.77	51.09	100	0	P	V
														V
														V
802.11g CH 06 2437MHz		4874	36.5	-37.5	74	45.27	31.41	10.88	51.06	100	0	P	H	
		7311	55.9	-18.1	74	57.35	36.27	12.79	50.51	350	250	P	H	
		7311	46.34	-7.66	54	47.79	36.27	12.79	50.51	350	250	A	H	
													H	
			4874	38.43	-35.57	74	47.2	31.41	10.88	51.06	100	0	P	V
			7311	60.06	-13.94	74	61.51	36.27	12.79	50.51	298	347	P	V
			7311	50.3	-3.7	54	51.75	36.27	12.79	50.51	298	347	A	V
802.11g CH 11 2462MHz		4924	32.22	-41.78	74	40.77	31.49	11	51.04	100	0	P	H	
		7386	37.26	-36.74	74	38.38	36.51	12.88	50.51	100	0	P	H	
													H	
													H	
			4924	32.13	-41.87	74	40.68	31.49	11	51.04	100	0	P	V
			7386	38.66	-35.34	74	39.78	36.51	12.88	50.51	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		2390	68.15	-5.85	74	65.99	27.25	8.89	33.98	299	313	P	H	
		2389.905	53.17	-0.83	54	51.01	27.25	8.89	33.98	299	313	A	H	
	*	2412	109.88	-	-	107.68	27.29	8.89	33.98	299	313	P	H	
	*	2412	101.96	-	-	99.76	27.29	8.89	33.98	299	313	A	H	
													H	
														H
			2389.8	63.59	-10.41	74	61.43	27.25	8.89	33.98	383	274	P	V
			2389.905	50.37	-3.63	54	48.21	27.25	8.89	33.98	383	274	A	V
		*	2412	106.05	-	-	103.85	27.29	8.89	33.98	383	274	P	V
		*	2412	97.57	-	-	95.37	27.29	8.89	33.98	383	274	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2388.68	63.98	-10.02	74	61.83	27.25	8.89	33.99	291	322	P	H	
		2389.8	48.53	-5.47	54	46.37	27.25	8.89	33.98	291	322	A	H	
	*	2437	116.93	-	-	114.58	27.38	8.94	33.97	291	322	P	H	
	*	2437	108.89	-	-	106.54	27.38	8.94	33.97	291	322	A	H	
			2484.6	67.4	-6.6	74	64.91	27.46	8.98	33.95	291	322	P	H
			2483.55	53.22	-0.78	54	50.73	27.46	8.98	33.95	291	322	A	H
			2388.12	56.62	-17.38	74	54.47	27.25	8.89	33.99	370	229	P	V
			2389.94	45.36	-8.64	54	43.2	27.25	8.89	33.98	370	229	A	V
		*	2437	113.06	-	-	110.71	27.38	8.94	33.97	370	229	P	V
		*	2437	104.24	-	-	101.89	27.38	8.94	33.97	370	229	A	V
		2485.09	62.18	-11.82	74	59.69	27.46	8.98	33.95	370	229	P	V	
		2483.55	46.68	-7.32	54	44.19	27.46	8.98	33.95	370	229	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	105.84	-	-	103.4	27.42	8.98	33.96	318	317	P	H
	*	2462	97.88	-	-	95.44	27.42	8.98	33.96	318	317	A	H
		2483.92	68.41	-5.59	74	65.92	27.46	8.98	33.95	318	317	P	H
		2483.52	53.28	-0.72	54	50.79	27.46	8.98	33.95	318	317	A	H
													H
													H
	*	2462	100.52	-	-	98.08	27.42	8.98	33.96	400	299	P	V
	*	2462	91.65	-	-	89.21	27.42	8.98	33.96	400	299	A	V
		2483.56	55.86	-18.14	74	53.37	27.46	8.98	33.95	400	299	P	V
		2483.52	46.36	-7.64	54	43.87	27.46	8.98	33.95	400	299	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+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	32.28	-41.72	74	41.28	31.32	10.77	51.09	100	0	P	H	
													H	
													H	
													H	
			4824	32.78	-41.22	74	41.78	31.32	10.77	51.09	100	0	P	V
														V
														V
802.11n HT20 CH 06 2437MHz		4874	37.99	-36.01	74	46.76	31.41	10.88	51.06	100	0	P	H	
		7311	55	-19	74	56.45	36.27	12.79	50.51	190	331	P	H	
		7311	43.69	-10.31	54	45.14	36.27	12.79	50.51	190	331	A	H	
													H	
			4874	38.62	-35.38	74	47.39	31.41	10.88	51.06	100	0	P	V
			7311	61.09	-12.91	74	62.54	36.27	12.79	50.51	300	349	P	V
			7311	48.2	-5.8	54	49.65	36.27	12.79	50.51	300	349	A	V
802.11n HT20 CH 11 2462MHz		4924	32.1	-41.9	74	40.65	31.49	11	51.04	100	0	P	H	
		7386	38.63	-35.37	74	39.75	36.51	12.88	50.51	100	0	P	H	
													H	
													H	
			4924	32.52	-41.48	74	41.07	31.49	11	51.04	100	0	P	V
			7386	37.29	-36.71	74	38.41	36.51	12.88	50.51	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		2387.98	63.85	-10.15	74	61.7	27.25	8.89	33.99	291	322	P	H
		2388.26	51.94	-2.06	54	49.79	27.25	8.89	33.99	291	322	A	H
	*	2422	105.09	-	-	102.79	27.33	8.94	33.97	291	322	P	H
	*	2422	97.05	-	-	94.75	27.33	8.94	33.97	291	322	A	H
		2498.11	53.21	-20.79	74	50.67	27.5	8.98	33.94	291	322	P	H
		2483.97	44.8	-9.2	54	42.31	27.46	8.98	33.95	291	322	A	H
		2387.28	59.43	-14.57	74	57.28	27.25	8.89	33.99	368	227	P	V
		2387.28	46.97	-7.03	54	44.82	27.25	8.89	33.99	368	227	A	V
	*	2422	100.15	-	-	97.85	27.33	8.94	33.97	368	227	P	V
	*	2422	91.95	-	-	89.65	27.33	8.94	33.97	368	227	A	V
		2498.11	52.75	-21.25	74	50.21	27.5	8.98	33.94	368	227	P	V
		2494.75	44.19	-9.81	54	41.65	27.5	8.98	33.94	368	227	A	V
802.11n HT40 CH 06 2437MHz		2388.82	58.76	-15.24	74	56.61	27.25	8.89	33.99	292	323	P	H
		2389.8	48.52	-5.48	54	46.36	27.25	8.89	33.98	292	323	A	H
	*	2437	108.4	-	-	106.05	27.38	8.94	33.97	292	323	P	H
	*	2437	100.13	-	-	97.78	27.38	8.94	33.97	292	323	A	H
		2483.62	66.09	-7.91	74	63.6	27.46	8.98	33.95	292	323	P	H
		2483.55	53.16	-0.84	54	50.67	27.46	8.98	33.95	292	323	A	H
		2388.82	58.93	-15.07	74	56.78	27.25	8.89	33.99	370	261	P	V
		2389.94	48.98	-5.02	54	46.82	27.25	8.89	33.98	370	261	A	V
	*	2437	103.37	-	-	101.02	27.38	8.94	33.97	370	261	P	V
	*	2437	95.13	-	-	92.78	27.38	8.94	33.97	370	261	A	V
		2483.48	64.01	-67.19	131.2	61.52	27.46	8.98	33.95	370	261	P	V
		2483.83	53.15	-0.85	54	50.66	27.46	8.98	33.95	370	261	A	V



<b>802.11n</b>  <b>HT40</b>  <b>CH 09</b>  <b>2452MHz</b>		2318.26	52.76	-21.24	74	50.92	27.09	8.75	34	290	314	P	H
		2389.24	43.65	-10.35	54	41.5	27.25	8.89	33.99	290	314	A	H
	*	2452	103.51	-	-	101.15	27.38	8.94	33.96	290	314	P	H
	*	2452	94.84	-	-	92.48	27.38	8.94	33.96	290	314	A	H
		2484.11	64.93	-9.07	74	62.44	27.46	8.98	33.95	290	314	P	H
		2483.62	53.5	-0.5	54	51.01	27.46	8.98	33.95	290	314	A	H
		2349.48	52.98	-21.02	74	51.02	27.13	8.82	33.99	370	227	P	V
		2386.02	43.6	-10.4	54	41.45	27.25	8.89	33.99	370	227	A	V
	*	2452	98.36	-	-	96	27.38	8.94	33.96	370	227	P	V
	*	2452	90.12	-	-	87.76	27.38	8.94	33.96	370	227	A	V
		2483.83	60.85	-13.15	74	58.36	27.46	8.98	33.95	370	227	P	V
		2483.52	49.69	-4.31	54	47.2	27.46	8.98	33.95	370	227	A	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 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	33.09	-40.91	74	42.05	31.35	10.77	51.08	100	0	P	H
		7266	37.04	-36.96	74	38.64	36.17	12.74	50.51	100	0	P	H
													H
													H
		4844	31.41	-42.59	74	40.37	31.35	10.77	51.08	100	0	P	V
		7266	38	-36	74	39.6	36.17	12.74	50.51	100	0	P	V
													V
802.11n HT40 CH 06 2437MHz		4874	31.89	-42.11	74	40.66	31.41	10.88	51.06	100	0	P	H
		7311	39.38	-34.62	74	40.83	36.27	12.79	50.51	100	0	P	H
													H
													H
		4874	31.37	-42.63	74	40.14	31.41	10.88	51.06	100	0	P	V
		7311	41.03	-32.97	74	42.48	36.27	12.79	50.51	100	0	P	V
													V
802.11n HT40 CH 09 2452MHz		4904	33.23	-40.77	74	41.83	31.46	11	51.06	100	0	P	H
		7356	38.15	-35.85	74	39.42	36.41	12.83	50.51	100	0	P	H
													H
													H
		4904	32.63	-41.37	74	41.23	31.46	11	51.06	100	0	P	V
		7356	37.62	-36.38	74	38.89	36.41	12.83	50.51	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

Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

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 )	
2.4GHz 802.11n HT40 LF		31.62	23.28	-16.72	40	29.16	24.66	1.29	31.83	-	-	P	H	
		89.13	21.08	-22.42	43.5	36.57	14.78	1.51	31.78	-	-	P	H	
		264.09	24.86	-21.14	46	34.51	19.54	2.58	31.77	-	-	P	H	
		400.1	31.41	-14.59	46	37.88	22.42	2.91	31.8	166	241	P	H	
		600.3	31.14	-14.86	46	33.81	25.7	3.67	32.04	-	-	P	H	
		993.7	33.66	-20.34	54	28.91	30.51	4.93	30.69	-	-	P	H	
														H
														H
														H
														H
														H
														H
			40.8	35.71	-4.29	40	46.5	19.74	1.29	31.82	215	322	P	V
			84.54	22.68	-17.32	40	38.78	14.18	1.51	31.79	-	-	P	V
			119.91	22.25	-21.25	43.5	34.55	17.7	1.78	31.78	-	-	P	V
			400.1	25.51	-20.49	46	31.98	22.42	2.91	31.8	-	-	P	V
			600.3	28.3	-17.7	46	30.97	25.7	3.67	32.04	-	-	P	V
			966.4	33.02	-20.98	54	28.67	30.57	4.69	30.91	-	-	P	V
														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.
!	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	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”.**