



Appendix B. Radiated Spurious Emission

Test Engineer :	Kyle Jhuang, Wilson Wu and Alex Jeng	Temperature :	24.5~25.0°C
		Relative Humidity :	50~58%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (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)	
802.11b CH 01 2412MHz		2373.21	52.39	-21.61	74	49.6	27.11	6.96	31.28	100	154	P	H	
		2384.65	42.18	-11.82	54	39.39	27.11	6.96	31.28	100	154	A	H	
	*	2412	95.41	-	-	92.49	27.19	7	31.27	100	154	P	H	
	*	2412	92.12	-	-	89.2	27.19	7	31.27	100	154	A	H	
													H	
														H
			2369.85	53.71	-20.29	74	50.92	27.11	6.96	31.28	107	235	P	V
			2390	42.46	-11.54	54	39.6	27.15	6.98	31.27	107	235	A	V
	*		2412	103.22	-	-	100.3	27.19	7	31.27	107	235	P	V
	*		2412	99.96	-	-	97.04	27.19	7	31.27	107	235	A	V
														V
														V
802.11b CH 06 2437MHz		2359.7	53.11	-20.89	74	50.4	27.07	6.93	31.29	111	154	P	H	
		2387.7	42.01	-11.99	54	39.16	27.15	6.98	31.28	111	154	A	H	
	*	2437	94.35	-	-	91.3	27.28	7.03	31.26	111	154	P	H	
	*	2437	91.15	-	-	88.1	27.28	7.03	31.26	111	154	A	H	
			2496.92	53.08	-20.92	74	49.83	27.4	7.09	31.24	111	154	P	H
			2486.98	42.51	-11.49	54	39.33	27.36	7.07	31.25	111	154	A	H
			2341.92	52.01	-21.99	74	49.36	27.03	6.91	31.29	105	216	P	V
			2389.94	42.11	-11.89	54	39.25	27.15	6.98	31.27	105	216	A	V
	*		2437	103.64	-	-	100.59	27.28	7.03	31.26	105	216	P	V
	*		2437	100.38	-	-	97.33	27.28	7.03	31.26	105	216	A	V
			2485.79	53.11	-20.89	74	49.93	27.36	7.07	31.25	105	216	P	V
			2489.5	42.5	-11.5	54	39.26	27.4	7.09	31.25	105	216	A	V



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 11 2462MHz	*	2462	95.28	-	-	92.17	27.32	7.05	31.26	100	135	P	H
	*	2462	92.06	-	-	88.95	27.32	7.05	31.26	100	135	A	H
		2495.84	52.77	-21.23	74	49.52	27.4	7.09	31.24	100	135	P	H
		2487.76	42.48	-11.52	54	39.24	27.4	7.09	31.25	100	135	A	H
													H
													H
	*	2462	102.18	-	-	99.07	27.32	7.05	31.26	101	215	P	V
	*	2462	98.87	-	-	95.76	27.32	7.05	31.26	101	215	A	V
		2483.88	53.21	-20.79	74	50.03	27.36	7.07	31.25	101	215	P	V
		2486.44	43.26	-10.74	54	40.08	27.36	7.07	31.25	101	215	A	V
													V
													V
	Remark	<ol style="list-style-type: none"> No other spurious found. 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	43.26	-30.74	74	58.51	31.22	10.07	56.54	100	0	P	H	
													H	
													H	
													H	
			4824	41.68	-32.32	74	56.93	31.22	10.07	56.54	100	0	P	V
														V
														V
802.11b CH 06 2437MHz		4874	45.09	-28.91	74	60.14	31.31	10.11	56.47	100	0	P	H	
		7311	42.17	-31.83	74	50.57	36.27	12.53	57.2	100	0	P	H	
													H	
													H	
			4874	41.89	-32.11	74	56.94	31.31	10.11	56.47	100	0	P	V
			7311	42.27	-31.73	74	50.67	36.27	12.53	57.2	100	0	P	V
														V
802.11b CH 11 2462MHz		4924	41.15	-32.85	74	56.02	31.39	10.14	56.4	100	0	P	H	
		7386	44.46	-29.54	74	52.55	36.51	12.73	57.33	100	0	P	H	
													H	
													H	
			4924	39.58	-34.42	74	54.45	31.39	10.14	56.4	100	0	P	V
			7386	42.88	-31.12	74	50.97	36.51	12.73	57.33	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	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		2389.9	57.12	-16.88	74	54.26	27.15	6.98	31.27	100	168	P	H	
		2389.9	45.07	-8.93	54	42.21	27.15	6.98	31.27	100	168	A	H	
	*	2412	98.23	-	-	95.31	27.19	7	31.27	100	168	P	H	
	*	2412	90.42	-	-	87.5	27.19	7	31.27	100	168	A	H	
													H	
														H
			2389.59	60.61	-13.39	74	57.76	27.15	6.98	31.28	164	345	P	V
			2389.9	48.44	-5.56	54	45.58	27.15	6.98	31.27	164	345	A	V
	*		2412	104.42	-	-	101.5	27.19	7	31.27	164	345	P	V
	*		2412	96.69	-	-	93.77	27.19	7	31.27	164	345	A	V
														V
														V
802.11g CH 06 2437MHz		2350.88	52.32	-21.68	74	49.67	27.03	6.91	31.29	100	167	P	H	
		2381.12	42.65	-11.35	54	39.86	27.11	6.96	31.28	100	167	A	H	
	*	2437	98.22	-	-	95.17	27.28	7.03	31.26	100	167	P	H	
	*	2437	90.19	-	-	87.14	27.28	7.03	31.26	100	167	A	H	
			2493.56	53.29	-20.71	74	50.04	27.4	7.09	31.24	100	167	P	H
			2491.46	43.09	-10.91	54	39.85	27.4	7.09	31.25	100	167	A	H
			2334.08	52.61	-21.39	74	50.03	26.99	6.89	31.3	208	342	P	V
			2388.96	42.53	-11.47	54	39.68	27.15	6.98	31.28	208	342	A	V
	*		2437	104.89	-	-	101.84	27.28	7.03	31.26	208	342	P	V
	*		2437	97.15	-	-	94.1	27.28	7.03	31.26	208	342	A	V
			2489.5	52.83	-21.17	74	49.59	27.4	7.09	31.25	208	342	P	V
			2489.08	44.3	-9.7	54	41.06	27.4	7.09	31.25	208	342	A	V



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 11 2462MHz	*	2462	95.51	-	-	92.4	27.32	7.05	31.26	100	169	P	H
	*	2462	87.74	-	-	84.63	27.32	7.05	31.26	100	169	A	H
		2483.76	56.55	-17.45	74	53.37	27.36	7.07	31.25	100	169	P	H
		2483.56	45.04	-8.96	54	41.86	27.36	7.07	31.25	100	169	A	H
													H
													H
	*	2462	102.55	-	-	99.44	27.32	7.05	31.26	184	341	P	V
	*	2462	94.73	-	-	91.62	27.32	7.05	31.26	184	341	A	V
		2484.04	64.41	-9.59	74	61.23	27.36	7.07	31.25	184	341	P	V
		2483.52	50.08	-3.92	54	46.9	27.36	7.07	31.25	184	341	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	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	39.57	-34.43	74	54.82	31.22	10.07	56.54	100	0	P	H	
													H	
													H	
													H	
			4824	39.05	-34.95	74	54.3	31.22	10.07	56.54	100	0	P	V
														V
														V
802.11g CH 06 2437MHz		4874	39.13	-34.87	74	54.18	31.31	10.11	56.47	100	0	P	H	
		7311	42.24	-31.76	74	50.64	36.27	12.53	57.2	100	0	P	H	
													H	
													H	
			4874	38.66	-35.34	74	53.71	31.31	10.11	56.47	100	0	P	V
			7311	42.06	-31.94	74	50.46	36.27	12.53	57.2	100	0	P	V
														V
802.11g CH 11 2462MHz		4924	38.01	-35.99	74	52.88	31.39	10.14	56.4	100	0	P	H	
		7386	42.05	-31.95	74	50.14	36.51	12.73	57.33	100	0	P	H	
													H	
													H	
			4924	37.72	-36.28	74	52.59	31.39	10.14	56.4	100	0	P	V
			7386	42.69	-31.31	74	50.78	36.51	12.73	57.33	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	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		2388.96	54.3	-19.7	74	51.45	27.15	6.98	31.28	358	222	P	H	
		2389.8	43.68	-10.32	54	40.82	27.15	6.98	31.27	358	222	A	H	
	*	2412	95.86	-	-	92.94	27.19	7	31.27	358	222	P	H	
	*	2412	87.86	-	-	84.94	27.19	7	31.27	358	222	A	H	
													H	
														H
			2389.27	62.76	-11.24	74	59.91	27.15	6.98	31.28	131	222	P	V
			2389.9	47.55	-6.45	54	44.69	27.15	6.98	31.27	131	222	A	V
		*	2412	102.78	-	-	99.86	27.19	7	31.27	131	222	P	V
		*	2412	94.8	-	-	91.88	27.19	7	31.27	131	222	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2348.78	53.15	-20.85	74	50.5	27.03	6.91	31.29	358	226	P	H	
		2373.98	42.59	-11.41	54	39.8	27.11	6.96	31.28	358	226	A	H	
	*	2437	95.15	-	-	92.1	27.28	7.03	31.26	358	226	P	H	
	*	2437	87.17	-	-	84.12	27.28	7.03	31.26	358	226	A	H	
			2496.08	52.23	-21.77	74	48.98	27.4	7.09	31.24	358	226	P	H
			2487.96	43.17	-10.83	54	39.93	27.4	7.09	31.25	358	226	A	H
			2342.34	52.42	-21.58	74	49.77	27.03	6.91	31.29	104	221	P	V
			2385.74	42.64	-11.36	54	39.79	27.15	6.98	31.28	104	221	A	V
		*	2437	102.68	-	-	99.63	27.28	7.03	31.26	104	221	P	V
		*	2437	94.97	-	-	91.92	27.28	7.03	31.26	104	221	A	V
		2488.45	53.33	-20.67	74	50.09	27.4	7.09	31.25	104	221	P	V	
		2488.38	43.74	-10.26	54	40.5	27.4	7.09	31.25	104	221	A	V	



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 11 2462MHz	*	2462	94.88	-	-	91.77	27.32	7.05	31.26	307	216	P	H	
	*	2462	86.86	-	-	83.75	27.32	7.05	31.26	307	216	A	H	
		2483.56	61.92	-12.08	74	58.74	27.36	7.07	31.25	307	216	P	H	
		2483.6	46.32	-7.68	54	43.14	27.36	7.07	31.25	307	216	A	H	
													H	
														H
	*	2462	100.69	-	-	97.58	27.32	7.05	31.26	103	225	P	V	
	*	2462	93.05	-	-	89.94	27.32	7.05	31.26	103	225	A	V	
		2484.4	63.13	-10.87	74	59.95	27.36	7.07	31.25	103	225	P	V	
		2483.52	50.45	-3.55	54	47.27	27.36	7.07	31.25	103	225	A	V	
													V	
													V	
Remark	<ol style="list-style-type: none"> No other spurious found. 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	39.89	-34.11	74	55.14	31.22	10.07	56.54	100	0	P	H
													H
													H
													H
		4824	38.95	-35.05	74	54.2	31.22	10.07	56.54	100	0	P	V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	38.92	-35.08	74	53.97	31.31	10.11	56.47	100	0	P	H
		7311	49.47	-24.53	74	57.87	36.27	12.53	57.2	100	0	P	H
													H
													H
		4874	39.7	-34.3	74	54.75	31.31	10.11	56.47	100	0	P	V
		7311	45.05	-28.95	74	53.45	36.27	12.53	57.2	100	0	P	V
													V
802.11n HT20 CH 11 2462MHz		4924	45.7	-28.3	74	60.57	31.39	10.14	56.4	100	0	P	H
		7386	43.46	-30.54	74	51.55	36.51	12.73	57.33	100	0	P	H
													H
													H
		4924	43.12	-30.88	74	57.99	31.39	10.14	56.4	100	0	P	V
		7386	43.09	-30.91	74	51.18	36.51	12.73	57.33	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	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		2389.24	54.17	-19.83	74	51.32	27.15	6.98	31.28	100	103	P	H
		2389.94	44.85	-9.15	54	41.99	27.15	6.98	31.27	100	103	A	H
	*	2422	90.46	-	-	87.47	27.23	7.02	31.26	100	103	P	H
	*	2422	83.1	-	-	80.11	27.23	7.02	31.26	100	103	A	H
		2490.55	52.7	-21.3	74	49.46	27.4	7.09	31.25	100	103	P	H
		2491.67	44.06	-9.94	54	40.82	27.4	7.09	31.25	100	103	A	H
		2389.66	60.72	-13.28	74	57.87	27.15	6.98	31.28	102	235	P	V
		2389.52	50.86	-3.14	54	48.01	27.15	6.98	31.28	102	235	A	V
	*	2422	98.68	-	-	95.69	27.23	7.02	31.26	102	235	P	V
	*	2422	90.96	-	-	87.97	27.23	7.02	31.26	102	235	A	V
		2494.05	52.93	-21.07	74	49.68	27.4	7.09	31.24	102	235	P	V
		2486.77	43.8	-10.2	54	40.62	27.36	7.07	31.25	102	235	A	V
802.11n HT40 CH 06 2437MHz		2389.38	52.76	-21.24	74	49.91	27.15	6.98	31.28	100	105	P	H
		2355.36	43.53	-10.47	54	40.82	27.07	6.93	31.29	100	105	A	H
	*	2437	91.01	-	-	87.96	27.28	7.03	31.26	100	105	P	H
	*	2437	83.41	-	-	80.36	27.28	7.03	31.26	100	105	A	H
		2486.21	53.07	-20.93	74	49.89	27.36	7.07	31.25	100	105	P	H
		2483.5	44.21	-9.79	54	41.03	27.36	7.07	31.25	100	105	A	H
		2389.8	55.76	-18.24	74	52.9	27.15	6.98	31.27	100	233	P	V
		2389.8	46.26	-7.74	54	43.4	27.15	6.98	31.27	100	233	A	V
	*	2437	99.76	-	-	96.71	27.28	7.03	31.26	100	233	P	V
	*	2437	92.31	-	-	89.26	27.28	7.03	31.26	100	233	A	V
		2483.9	61.17	-12.83	74	57.99	27.36	7.07	31.25	100	233	P	V
		2483.5	49.15	-4.85	54	45.97	27.36	7.07	31.25	100	233	A	V



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 HT40 CH 09 2452MHz		2330.72	52.4	-21.6	74	49.82	26.99	6.89	31.3	100	137	P	H
		2346.12	43.26	-10.74	54	40.61	27.03	6.91	31.29	100	137	A	H
	*	2452	88.9	-	-	85.85	27.28	7.03	31.26	100	137	P	H
	*	2452	81.39	-	-	78.34	27.28	7.03	31.26	100	137	A	H
		2485.37	55.66	-18.34	74	52.48	27.36	7.07	31.25	100	137	P	H
		2483.9	44.78	-9.22	54	41.6	27.36	7.07	31.25	100	137	A	H
		2338	52.35	-21.65	74	49.71	27.03	6.91	31.3	100	231	P	V
		2387.56	43.28	-10.72	54	40.43	27.15	6.98	31.28	100	231	A	V
	*	2452	97.53	-	-	94.48	27.28	7.03	31.26	100	231	P	V
	*	2452	89	-	-	85.95	27.28	7.03	31.26	100	231	A	V
		2485.23	59.9	-14.1	74	56.72	27.36	7.07	31.25	100	231	P	V
		2483.69	50.56	-3.44	54	47.38	27.36	7.07	31.25	100	231	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	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	44.46	-29.54	74	59.65	31.25	10.08	56.52	100	0	P	H
		7266	42.39	-31.61	74	50.9	36.17	12.46	57.14	100	0	P	H
													H
													H
		4844	37.85	-36.15	74	53.04	31.25	10.08	56.52	100	0	P	V
		7266	43.63	-30.37	74	52.14	36.17	12.46	57.14	100	0	P	V
													V
802.11n HT40 CH 06 2437MHz		4874	38.84	-35.16	74	53.89	31.31	10.11	56.47	100	0	P	H
		7311	44.3	-29.7	74	52.7	36.27	12.53	57.2	100	0	P	H
													H
													H
		4874	38.27	-35.73	74	53.32	31.31	10.11	56.47	100	0	P	V
		7311	42.08	-31.92	74	50.48	36.27	12.53	57.2	100	0	P	V
													V
802.11n HT40 CH 09 2452MHz		4904	41.1	-32.9	74	56.03	31.36	10.13	56.42	100	0	P	H
		7356	42.33	-31.67	74	50.55	36.41	12.65	57.28	100	0	P	H
													H
													H
		4904	39.11	-34.89	74	54.04	31.36	10.13	56.42	100	0	P	V
		7356	42.4	-31.6	74	50.62	36.41	12.65	57.28	100	0	P	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 802.11g (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 802.11g LF		41.34	32.68	-7.32	40	44.89	19.08	0.64	31.93	100	56	P	H	
		112.62	30.53	-12.97	43.5	44.09	17.21	1.11	31.88			P	H	
		228.72	24.12	-21.88	46	37.47	16.81	1.63	31.79			P	H	
		450.5	23.44	-22.56	46	29.97	22.92	2.36	31.81			P	H	
		652.1	26.99	-19.01	46	30.35	25.72	2.91	31.99			P	H	
		949.6	31.92	-14.08	46	29.5	30.1	3.44	31.12			P	H	
														H
														H
														H
														H
														H
														H
			54.84	36.6	-3.4	40	54.41	13.3	0.81	31.92	100	28	P	V
			157.44	31.84	-11.66	43.5	45.35	17.01	1.32	31.84			P	V
			295.95	21.13	-24.87	46	31.61	19.46	1.81	31.75			P	V
			441.4	23.05	-22.95	46	29.73	22.78	2.34	31.8			P	V
			672.4	27.46	-18.54	46	30.64	25.88	2.95	32.01			P	V
			958	32.26	-13.74	46	29.72	30.13	3.46	31.05			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.
!	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		(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”.