



## Appendix C. Radiated Spurious Emission

<For Ant. 1>

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		2334.48	53.45	-20.55	74	54.33	27.05	5.33	33.26	142	229	P	H
		2385.96	43.76	-10.24	54	44.38	27.23	5.39	33.24	142	229	A	H
	*	2410.688	94.5	-	-	95.02	27.28	5.42	33.22	142	229	P	H
	*	2410.855	91.89	-	-	92.41	27.28	5.42	33.22	142	229	A	H
													H
													H
		2344.29	53.09	-20.91	74	53.91	27.1	5.33	33.25	345	360	P	V
		2388.57	43.29	-10.71	54	43.91	27.23	5.39	33.24	345	360	A	V
	*	2413.193	91.79	-	-	92.31	27.28	5.42	33.22	345	360	P	V
	*	2413.277	89.11	-	-	89.63	27.28	5.42	33.22	345	360	A	V
													V
													V
802.11b CH 06 2437MHz		2381.82	53.06	-20.94	74	53.72	27.19	5.39	33.24	117	211	P	H
		2359.05	43.35	-10.65	54	44.13	27.14	5.33	33.25	117	211	A	H
	*	2435.738	90.84	-	-	91.31	27.32	5.42	33.21	117	211	P	H
	*	2435.822	88.31	-	-	88.78	27.32	5.42	33.21	117	211	A	H
		2487.64	53.33	-20.67	74	53.55	27.5	5.46	33.18	117	211	P	H
		2489.8	43.53	-10.47	54	43.75	27.5	5.46	33.18	117	211	A	H
		2389.38	53.52	-20.48	74	54.14	27.23	5.39	33.24	337	331	P	V
		2388.57	43.28	-10.72	54	43.9	27.23	5.39	33.24	337	331	A	V
	*	2435.655	89.23	-	-	89.7	27.32	5.42	33.21	337	331	P	V
	*	2435.905	86.62	-	-	87.09	27.32	5.42	33.21	337	331	A	V
		2491.44	53.69	-20.31	74	53.91	27.5	5.46	33.18	337	331	P	V
		2499.68	43.37	-10.63	54	43.58	27.5	5.46	33.17	337	331	A	V



<b>802.11b</b> <b>CH 11</b> <b>2462MHz</b>	*	2460.621	89.66	-	-	90.01	27.41	5.44	33.2	144	210	P	H
	*	2460.872	87.06	-	-	87.41	27.41	5.44	33.2	144	210	A	H
		2485.08	53.42	-20.58	74	53.68	27.46	5.46	33.18	144	210	P	H
		2488.4	43.6	-10.4	54	43.82	27.5	5.46	33.18	144	210	A	H
													H
													H
	*	2460.872	86.76	-	-	87.11	27.41	5.44	33.2	369	360	P	V
	*	2460.788	84.19	-	-	84.54	27.41	5.44	33.2	369	360	A	V
		2485.08	53.27	-20.73	74	53.53	27.46	5.46	33.18	369	360	P	V
		2488.64	43.52	-10.48	54	43.74	27.5	5.46	33.18	369	360	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	44.33	-29.67	74	65.9	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	46.94	-27.06	74	68.51	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4872	42.95	-31.05	74	64.21	31.56	7.7	60.52	100	0	P	H
		7308	45.28	-28.72	74	60.54	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	46.48	-27.52	74	67.74	31.56	7.7	60.52	100	0	P	V
		7308	44.42	-29.58	74	59.68	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4926	47.24	-26.76	74	68.07	31.66	7.93	60.42	100	0	P	H
		7386	42.7	-31.3	74	57.99	36.37	9.53	61.19	100	0	P	H
													H
													H
		4926	50.07	-23.93	74	70.9	31.66	7.93	60.42	100	0	P	V
		7386	43.87	-30.13	74	59.16	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		2361.57	53.31	-20.69	74	54.09	27.14	5.33	33.25	147	207	P	H
		2365.35	43.32	-10.68	54	44.03	27.14	5.39	33.24	147	207	A	H
	*	2410.35	80.03	-	-	80.55	27.28	5.42	33.22	147	207	P	H
	*	2410.27	72.84	-	-	73.36	27.28	5.42	33.22	147	207	A	H
													H
													H
		2327.28	53.8	-20.2	74	54.68	27.05	5.33	33.26	105	154	P	V
		2359.59	43.29	-10.71	54	44.07	27.14	5.33	33.25	105	154	A	V
	*	2410.1	75.69	-	-	76.21	27.28	5.42	33.22	105	154	P	V
	*	2410.35	67.89	-	-	68.41	27.28	5.42	33.22	105	154	A	V
													V
													V
802.11g CH 06 2437MHz		2372.19	53.92	-20.08	74	54.58	27.19	5.39	33.24	116	228	P	H
		2361.93	43.22	-10.78	54	44	27.14	5.33	33.25	116	228	A	H
	*	2435.4	77.15	-	-	77.62	27.32	5.42	33.21	116	228	P	H
	*	2435.49	69.99	-	-	70.46	27.32	5.42	33.21	116	228	A	H
		2497.4	52.88	-21.12	74	53.09	27.5	5.46	33.17	116	228	P	H
		2484.08	43.58	-10.42	54	43.84	27.46	5.46	33.18	116	228	A	H
		2345.28	52.97	-21.03	74	53.79	27.1	5.33	33.25	100	156	P	V
		2387.76	43.37	-10.63	54	43.99	27.23	5.39	33.24	100	156	A	V
	*	2435.4	72.74	-	-	73.21	27.32	5.42	33.21	100	156	P	V
	*	2435.07	65.49	-	-	65.96	27.32	5.42	33.21	100	156	A	V
		2487.2	53.19	-20.81	74	53.45	27.46	5.46	33.18	100	156	P	V
		2486.84	43.57	-10.43	54	43.83	27.46	5.46	33.18	100	156	A	V



<b>802.11g CH 11 2462MHz</b>	*	2460.2	77.1	-	-	77.45	27.41	5.44	33.2	164	43	P	H
	*	2460.45	69.86	-	-	70.21	27.41	5.44	33.2	164	43	A	H
		2489.44	53.26	-20.74	74	53.48	27.5	5.46	33.18	164	43	P	H
		2483.72	43.63	-10.37	54	43.89	27.46	5.46	33.18	164	43	A	H
													H
													H
	*	2460.54	73.24	-	-	73.59	27.41	5.44	33.2	227	191	P	V
	*	2460.79	65.13	-	-	65.48	27.41	5.44	33.2	227	191	A	V
		2491.16	52.91	-21.09	74	53.13	27.5	5.46	33.18	227	191	P	V
		2487.2	43.7	-10.3	54	43.96	27.46	5.46	33.18	227	191	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	38.95	-35.05	74	60.52	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	39.44	-34.56	74	61.01	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	38.08	-35.92	74	59.34	31.56	7.7	60.52	100	0	P	H
		7311	42.32	-31.68	74	57.58	36.18	9.49	60.93	100	0	P	H
													H
													H
		4874	39.69	-34.31	74	60.95	31.56	7.7	60.52	100	0	P	V
		7311	42.61	-31.39	74	57.87	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	38.95	-35.05	74	59.78	31.66	7.93	60.42	100	0	P	H
		7386	41.43	-32.57	74	56.72	36.37	9.53	61.19	100	0	P	H
													H
													H
		4924	41.64	-32.36	74	62.47	31.66	7.93	60.42	100	0	P	V
		7386	41.2	-32.8	74	56.49	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 )
<b>802.11n HT20 CH 06 2437MHz</b>		2375.97	53.69	-20.31	74	54.35	27.19	5.39	33.24	201	56	P	H
		2385.87	43.79	-10.21	54	44.41	27.23	5.39	33.24	201	56	A	H
	*	2435.404	93.88	-	-	94.35	27.32	5.42	33.21	201	56	P	H
	*	2435.488	86.66	-	-	87.13	27.32	5.42	33.21	201	56	A	H
		2494.52	53.77	-20.23	74	53.98	27.5	5.46	33.17	201	56	P	H
		2483.72	44.04	-9.96	54	44.3	27.46	5.46	33.18	201	56	A	H
		2355.27	53.41	-20.59	74	54.19	27.14	5.33	33.25	375	331	P	V
		2360.49	43.6	-10.4	54	44.38	27.14	5.33	33.25	375	331	A	V
	*	2435.404	91.89	-	-	92.36	27.32	5.42	33.21	375	331	P	V
	*	2435.655	84.72	-	-	85.19	27.32	5.42	33.21	375	331	A	V
		2491.96	54.61	-19.39	74	54.82	27.5	5.46	33.17	375	331	P	V
		2486.52	43.99	-10.01	54	44.25	27.46	5.46	33.18	375	331	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 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 06 2437MHz		4872	39.38	-34.62	74	60.64	31.56	7.7	60.52	100	0	P	H
		7308	44.44	-29.56	74	59.7	36.18	9.49	60.93	100	0	P	H
													H
													H
		4878	45.35	-28.65	74	66.61	31.56	7.7	60.52	100	0	P	V
		7308	46.34	-27.66	74	61.6	36.18	9.49	60.93	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 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		2327.82	53.04	-20.96	74	53.92	27.05	5.33	33.26	125	228	P	H
		2386.86	43.83	-10.17	54	44.45	27.23	5.39	33.24	125	228	A	H
	*	2419.7	75.18	-	-	75.65	27.32	5.42	33.21	125	228	P	H
	*	2419.62	68.14	-	-	68.61	27.32	5.42	33.21	125	228	A	H
		2489.2	53.81	-20.19	74	54.03	27.5	5.46	33.18	125	228	P	H
		2495.76	44.07	-9.93	54	44.28	27.5	5.46	33.17	125	228	A	H
		2332.41	53.05	-20.95	74	53.93	27.05	5.33	33.26	113	156	P	V
		2364.45	43.8	-10.2	54	44.51	27.14	5.39	33.24	113	156	A	V
	*	2419.12	70.43	-	-	70.94	27.28	5.42	33.21	113	156	P	V
	*	2419.46	63.15	-	-	63.66	27.28	5.42	33.21	113	156	A	V
		2499.72	52.9	-21.1	74	53.11	27.5	5.46	33.17	113	156	P	V
		2488	44.18	-9.82	54	44.4	27.5	5.46	33.18	113	156	A	V
802.11n HT40 CH 06 2437MHz		2386.59	53.33	-20.67	74	53.95	27.23	5.39	33.24	115	227	P	H
		2387.85	43.83	-10.17	54	44.45	27.23	5.39	33.24	115	227	A	H
	*	2434.98	73.78	-	-	74.25	27.32	5.42	33.21	115	227	P	H
	*	2434.57	66.42	-	-	66.89	27.32	5.42	33.21	115	227	A	H
		2496.96	53.51	-20.49	74	53.72	27.5	5.46	33.17	115	227	P	H
		2498.32	44.28	-9.72	54	44.49	27.5	5.46	33.17	115	227	A	H
		2317.47	53.26	-20.74	74	54.24	27.01	5.27	33.26	100	156	P	V
		2389.38	43.61	-10.39	54	44.23	27.23	5.39	33.24	100	156	A	V
	*	2434.15	68.94	-	-	69.41	27.32	5.42	33.21	100	156	P	V
	*	2434.4	61.78	-	-	62.25	27.32	5.42	33.21	100	156	A	V
		2499.96	53.64	-20.36	74	53.85	27.5	5.46	33.17	100	156	P	V
		2483.76	44.01	-9.99	54	44.27	27.46	5.46	33.18	100	156	A	V



<b>802.11n</b> <b>HT40</b> <b>CH 09</b> <b>2452MHz</b>		2325.12	52.68	-21.32	74	53.56	27.05	5.33	33.26	108	210	P	H
		2371.11	43.76	-10.24	54	44.42	27.19	5.39	33.24	108	210	A	H
	*	2450.02	72.69	-	-	73.08	27.37	5.44	33.2	108	210	P	H
	*	2453.94	65.74	-	-	66.09	27.41	5.44	33.2	108	210	A	H
		2494	52.93	-21.07	74	53.14	27.5	5.46	33.17	108	210	P	H
		2484.32	44.14	-9.86	54	44.4	27.46	5.46	33.18	108	210	A	H
		2334.39	53.01	-20.99	74	53.89	27.05	5.33	33.26	170	190	P	V
		2382.36	43.92	-10.08	54	44.58	27.19	5.39	33.24	170	190	A	V
	*	2449.85	67.54	-	-	67.93	27.37	5.44	33.2	170	190	P	V
	*	2449.01	60.12	-	-	60.51	27.37	5.44	33.2	170	190	A	V
		2498	53.23	-20.77	74	53.44	27.5	5.46	33.17	170	190	P	V
		2491.56	44.08	-9.92	54	44.3	27.5	5.46	33.18	170	190	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	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		4824	37.88	-36.12	74	59.45	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	38.23	-35.77	74	59.8	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	37.96	-36.04	74	59.22	31.56	7.7	60.52	100	0	P	H
		7311	41.87	-32.13	74	57.13	36.18	9.49	60.93	100	0	P	H
													H
													H
		4874	38.51	-35.49	74	59.77	31.56	7.7	60.52	100	0	P	V
		7311	41.6	-32.4	74	56.86	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	39.12	-34.88	74	60.13	31.63	7.82	60.46	100	0	P	H
		7356	41.75	-32.25	74	57.03	36.3	9.51	61.09	100	0	P	H
													H
													H
		4904	38.98	-35.02	74	59.99	31.63	7.82	60.46	100	0	P	V
		7356	41.15	-32.85	74	56.43	36.3	9.51	61.09	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	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 802.11b LF		108.03	28.53	-14.97	43.5	48.83	11.2	1.14	32.64			P	H
		192.81	37.83	-5.67	43.5	59.46	9.61	1.48	32.72	100	326	P	H
		241.14	32.4	-13.6	46	51.45	12.06	1.62	32.73			P	H
		385.4	31.48	-14.52	46	46.05	16.12	2.13	32.82			P	H
		602.4	34.91	-11.09	46	45.75	19.62	2.57	33.03			P	H
		825	29.88	-16.12	46	37.25	22.3	3.07	32.74			P	H
													H
													H
													H
													H
													H
													H
													H
		51.06	31.71	-8.29	40	54.67	8.89	0.93	32.78	114	2	P	V
		99.66	23.2	-20.3	43.5	44.29	10.4	1.14	32.63			P	V
		192.81	30.39	-13.11	43.5	52.02	9.61	1.48	32.72			P	V
		400.1	25.7	-20.3	46	39.89	16.52	2.13	32.84			P	V
		506.5	28.9	-17.1	46	41.24	18.26	2.33	32.93			P	V
		699	28.53	-17.47	46	38.11	20.59	2.82	32.99			P	V
													V
													V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



&lt;For MIMO Ant. 1 + 2&gt;

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		2387.04	53.34	-20.66	74	53.96	27.23	5.39	33.24	115	315	P	H
		2365.35	43.66	-10.34	54	44.37	27.14	5.39	33.24	115	315	A	H
	*	2410.1	87.04	-	-	87.56	27.28	5.42	33.22	115	315	P	H
	*	2413.95	80.09	-	-	80.61	27.28	5.42	33.22	115	315	A	H
													H
													H
		2387.31	52.88	-21.12	74	53.5	27.23	5.39	33.24	361	269	P	V
		2389.92	43.91	-10.09	54	44.51	27.23	5.39	33.22	361	269	A	V
	*	2410.35	86.18	-	-	86.7	27.28	5.42	33.22	361	269	P	V
	*	2413.86	79.17	-	-	79.69	27.28	5.42	33.22	361	269	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.47	53.57	-20.43	74	54.19	27.23	5.39	33.24	225	315	P	H
		2379.93	43.65	-10.35	54	44.31	27.19	5.39	33.24	225	315	A	H
	*	2435.15	87.2	-	-	87.67	27.32	5.42	33.21	225	315	P	H
	*	2435.49	79.85	-	-	80.32	27.32	5.42	33.21	225	315	A	H
		2485.56	53.16	-20.84	74	53.42	27.46	5.46	33.18	225	315	P	H
		2489	44	-10	54	44.22	27.5	5.46	33.18	225	315	A	H
		2389.74	52.84	-21.16	74	53.46	27.23	5.39	33.24	370	269	P	V
		2389.56	43.88	-10.12	54	44.5	27.23	5.39	33.24	370	269	A	V
	*	2435.32	87.97	-	-	88.44	27.32	5.42	33.21	370	269	P	V
	*	2435.74	80.65	-	-	81.12	27.32	5.42	33.21	370	269	A	V
		2491.48	53.59	-20.41	74	53.81	27.5	5.46	33.18	370	269	P	V
		2487.32	44.2	-9.8	54	44.46	27.46	5.46	33.18	370	269	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2463.54	88.07	-	-	88.42	27.41	5.44	33.2	136	312	P	H
	*	2463.54	79.73	-	-	80.08	27.41	5.44	33.2	136	312	A	H
		2499.4	53.01	-20.99	74	53.22	27.5	5.46	33.17	136	312	P	H
		2484.44	44.15	-9.85	54	44.41	27.46	5.46	33.18	136	312	A	H
													H
													H
	*	2460.45	87.48	-	-	87.83	27.41	5.44	33.2	351	266	P	V
	*	2460.87	80.32	-	-	80.67	27.41	5.44	33.2	351	266	A	V
		2485.72	53.37	-20.63	74	53.63	27.46	5.46	33.18	351	266	P	V
		2484.8	44.12	-9.88	54	44.38	27.46	5.46	33.18	351	266	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	38.81	-35.19	74	60.38	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	38.42	-35.58	74	59.99	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	38.72	-35.28	74	59.98	31.56	7.7	60.52	100	0	P	H
		7311	43.02	-30.98	74	58.28	36.18	9.49	60.93	100	0	P	H
													H
													H
		4874	38.1	-35.9	74	59.36	31.56	7.7	60.52	100	0	P	V
		7311	42.5	-31.5	74	57.76	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	38.69	-35.31	74	59.52	31.66	7.93	60.42	100	0	P	H
		7386	41.16	-32.84	74	56.45	36.37	9.53	61.19	100	0	P	H
													H
													H
		4924	39.08	-34.92	74	59.91	31.66	7.93	60.42	100	0	P	V
		7386	41.79	-32.21	74	57.08	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 802.11n HT20 (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 HT20 LF		99.66	23.31	-20.19	43.5	44.4	10.4	1.14	32.63			P	H
		192.81	36.15	-7.35	43.5	57.78	9.61	1.48	32.72	163	174	P	H
		216.84	34.25	-11.75	46	55.1	10.26	1.62	32.73			P	H
		433.7	29.15	-16.85	46	42.82	17.04	2.16	32.87			P	H
		626.9	32.14	-13.86	46	42.62	19.92	2.62	33.02			P	H
		795.6	30.92	-15.08	46	38.78	22.05	2.97	32.88			P	H
													H
													H
													H
													H
													H
													H
		51.33	35.98	-4.02	40	58.94	8.89	0.93	32.78	199	221	P	V
		86.43	19.4	-20.6	40	42.21	8.72	1.14	32.67			P	V
		192.81	26.5	-17	43.5	48.13	9.61	1.48	32.72			P	V
		398.7	27.95	-18.05	46	42.19	16.47	2.13	32.84			P	V
		495.3	27.68	-18.32	46	40.16	18.11	2.33	32.92			P	V
		722.8	24.42	-21.58	46	33.51	21.05	2.82	32.96			P	V
													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		( 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

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”.**