



## Appendix B. Radiated Spurious Emission

15C 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b CH 01 2412MHz		2385.6	61.17	-12.83	74	55.58	32.18	7.75	34.34	285	264	P	H
		2389.29	49.17	-4.83	54	43.57	32.18	7.75	34.33	285	264	A	H
	*	2412	114.83	-	-	109.18	32.2	7.75	34.3	285	264	P	H
	*	2412	110.7	-	-	105.05	32.2	7.75	34.3	285	264	A	H
													H
													H
		2388.57	59.95	-14.05	74	54.35	32.18	7.75	34.33	359	4	P	V
		2389	49.08	-4.92	54	43.48	32.18	7.75	34.33	359	4	A	V
	*	2412	115.23	-	-	109.58	32.2	7.75	34.3	359	4	P	V
	*	2412	111.52	-	-	105.87	32.2	7.75	34.3	359	4	A	V
													V
													V
802.11b CH 06 2437MHz		2366.79	58.93	-15.07	74	53.49	32.13	7.68	34.37	356	258	P	H
		2388.66	45.7	-8.3	54	40.1	32.18	7.75	34.33	356	258	A	H
	*	2437	117.82	-	-	112	32.24	7.83	34.25	356	258	P	H
	*	2437	114.25	-	-	108.43	32.24	7.83	34.25	356	258	A	H
		2484.44	63.23	-10.77	74	57.22	32.28	7.91	34.18	356	258	P	H
		2484.92	50	-4	54	43.99	32.28	7.91	34.18	356	258	A	H
		2325.21	59.37	-14.63	74	54.12	32.09	7.6	34.44	376	234	P	V
		2388.57	45.17	-8.83	54	39.57	32.18	7.75	34.33	376	234	A	V
	*	2437	115.64	-	-	109.82	32.24	7.83	34.25	376	234	P	V
	*	2437	111.83	-	-	106.01	32.24	7.83	34.25	376	234	A	V
		2488.44	63.17	-10.83	74	57.13	32.3	7.91	34.17	376	234	P	V
		2485	48.29	-5.71	54	42.27	32.28	7.91	34.17	376	234	A	V



<b>802.11b CH 11 2462MHz</b>	*	2462	116.62	-	-	110.66	32.26	7.91	34.21	346	250	P	H
	*	2462	112.96	-	-	107	32.26	7.91	34.21	346	250	A	H
		2484.48	64.53	-9.47	74	58.52	32.28	7.91	34.18	346	250	P	H
		2484.6	53.87	-0.13	54	47.86	32.28	7.91	34.18	346	250	P	H
													H
													H
	*	2462	114.54	-	-	108.58	32.26	7.91	34.21	395	353	P	V
	*	2462	110.75	-	-	104.79	32.26	7.91	34.21	395	353	A	V
		2483.88	62.39	-11.61	74	56.38	32.28	7.91	34.18	395	353	P	V
		2484.8	51.76	-2.24	54	45.75	32.28	7.91	34.18	395	353	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



## 15C 2.4GHz 2400~2483.5MHz

## WIFI 802.11b (Harmonic @ 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b CH 01 2412MHz		4824	54.02	-19.98	74	68.24	34.26	11.16	59.64	317	342	P	H
		4824	52.49	-1.51	54	66.71	34.26	11.16	59.64	317	342	A	H
													H
													H
		4824	55.04	-18.96	74	69.26	34.26	11.16	59.64	349	264	P	V
		4824	52.27	-1.73	54	66.49	34.26	11.16	59.64	349	264	A	V
													V
													V
802.11b CH 06 2437MHz		4872	44.39	-29.61	74	58.45	34.3	11.21	59.57	100	0	P	H
		7308	58.23	-15.77	74	66.02	35.6	15.08	58.47	200	249	P	H
		7308	52.77	-1.23	54	60.56	35.6	15.08	58.47	200	249	A	H
													H
		4872	54.49	-19.51	74	68.55	34.3	11.21	59.57	395	272	P	V
		4872	52.37	-1.63	54	66.43	34.3	11.21	59.57	395	272	A	V
		7308	53.25	-20.75	74	61.04	35.6	15.08	58.47	395	262	P	V
		7308	47.12	-6.88	54	54.91	35.6	15.08	58.47	395	262	A	V
802.11b CH 11 2462MHz		4926	52.37	-21.63	74	66.26	34.34	11.27	59.5	300	0	P	H
		4926	49.9	-4.1	54	63.79	34.34	11.27	59.5	300	0	A	H
		7386	54.8	-19.2	74	62.64	35.6	15.14	58.58	200	252	P	H
		7386	48.33	-5.67	54	56.17	35.6	15.14	58.58	200	252	A	H
		4926	54.41	-19.59	74	68.3	34.34	11.27	59.5	395	273	P	V
		4926	52.75	-1.25	54	66.64	34.34	11.27	59.5	395	273	A	V
		7386	43.77	-30.23	74	51.61	35.6	15.14	58.58	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**15C 2.4GHz 2400~2483.5MHz**  
**WIFI 802.11g (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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11g CH 01 2412MHz		2388.93	68.98	-5.02	74	63.38	32.18	7.75	34.33	290	261	P	H
		2389.74	53	-1	54	47.4	32.18	7.75	34.33	290	261	A	H
	*	2412	115.54	-	-	109.89	32.2	7.75	34.3	290	261	P	H
	*	2412	104.04	-	-	98.39	32.2	7.75	34.3	290	261	A	H
													H
													H
		2389.92	67.16	-6.84	74	61.56	32.18	7.75	34.33	371	234	P	V
		2390	52.61	-1.39	54	47.01	32.18	7.75	34.33	371	234	A	V
	*	2412	116.44	-	-	110.79	32.2	7.75	34.3	371	234	P	V
	*	2412	104.17	-	-	98.52	32.2	7.75	34.3	371	234	A	V
													V
													V
802.11g CH 06 2437MHz		2387.31	61.89	-12.11	74	56.3	32.18	7.75	34.34	309	264	P	H
		2389.11	48.34	-5.66	54	42.74	32.18	7.75	34.33	309	264	A	H
	*	2437	117.35	-	-	111.53	32.24	7.83	34.25	309	264	P	H
	*	2437	105.7	-	-	99.88	32.24	7.83	34.25	309	264	A	H
		2483.96	65.91	-8.09	74	59.9	32.28	7.91	34.18	309	264	P	H
		2486	51.92	-2.08	54	45.9	32.28	7.91	34.17	309	264	A	H
		2382.27	58.55	-15.45	74	52.99	32.16	7.75	34.35	377	228	P	V
		2386.5	44.76	-9.24	54	39.17	32.18	7.75	34.34	377	228	A	V
	*	2437	114.6	-	-	108.78	32.24	7.83	34.25	377	228	P	V
	*	2437	102.75	-	-	96.93	32.24	7.83	34.25	377	228	A	V
		2484.84	64.08	-9.92	74	58.07	32.28	7.91	34.18	377	228	P	V
		2484.52	50.18	-3.82	54	44.17	32.28	7.91	34.18	377	228	A	V



<b>802.11g</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	117.14	-	-	111.18	32.26	7.91	34.21	353	255	P	H
	*	2462	104.79	-	-	98.83	32.26	7.91	34.21	353	255	A	H
		2487.56	68.56	-5.44	74	62.52	32.3	7.91	34.17	353	255	P	H
		2486.44	50.57	-3.43	54	44.55	32.28	7.91	34.17	353	255	A	H
													H
													H
	*	2462	116.16	-	-	110.2	32.26	7.91	34.21	355	233	P	V
	*	2462	104.63	-	-	98.67	32.26	7.91	34.21	355	233	A	V
		2484.56	67.24	-6.76	74	61.23	32.28	7.91	34.18	355	233	P	V
		2483.52	49.81	-4.19	54	43.8	32.28	7.91	34.18	355	233	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



## 15C 2.4GHz 2400~2483.5MHz

## WIFI 802.11g (Harmonic @ 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11g CH 01 2412MHz		4824	64.33	-9.67	74	78.55	34.26	11.16	59.64	395	341	P	H
		4824	49.06	-4.94	54	63.28	34.26	11.16	59.64	395	341	A	H
													H
													H
		4824	66.87	-7.13	74	81.09	34.26	11.16	59.64	395	272	P	V
		4824	51.36	-2.64	54	65.58	34.26	11.16	59.64	395	272	A	V
													V
													V
802.11g CH 06 2437MHz		4874	60.05	-13.95	74	74.11	34.3	11.21	59.57	395	148	P	H
		4874	44.92	-9.08	54	58.98	34.3	11.21	59.57	395	148	A	H
		7308	57.86	-16.14	74	65.65	35.6	15.08	58.47	300	293	P	H
		7308	39.39	-14.61	54	47.18	35.6	15.08	58.47	300	293	A	H
		4874	65.24	-8.76	74	79.3	34.3	11.21	59.57	395	272	P	V
		4874	49.46	-4.54	54	63.52	34.3	11.21	59.57	395	272	A	V
		7308	50.86	-23.14	74	58.65	35.6	15.08	58.47	100	0	P	V
													V
802.11g CH 11 2462MHz		4924	61.5	-12.5	74	75.39	34.34	11.27	59.5	331	351	P	H
		4924	47.89	-6.11	54	61.78	34.34	11.27	59.5	331	351	A	H
		7386	55.44	-18.56	74	63.28	35.6	15.14	58.58	288	257	P	H
		7386	37.96	-16.04	54	45.8	35.6	15.14	58.58	288	257	A	H
		4924	62.78	-11.22	74	76.67	34.34	11.27	59.5	333	359	P	V
		4924	48.26	-5.74	54	62.15	34.34	11.27	59.5	333	359	A	V
		7386	49.07	-24.93	74	56.91	35.6	15.14	58.58	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



**15C 2.4GHz 2400~2483.5MHz**  
**WIFI 802.11n HT20 (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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		2389.83	66.21	-7.79	74	60.61	32.18	7.75	34.33	395	38	P	H
		2390	52.01	-1.99	54	46.41	32.18	7.75	34.33	395	38	A	H
	*	2412	112.98	-	-	107.33	32.2	7.75	34.3	395	38	P	H
	*	2412	102.04	-	-	96.39	32.2	7.75	34.3	395	38	A	H
													H
													H
		2389.92	69.29	-4.71	74	63.69	32.18	7.75	34.33	391	14	P	V
		2390	53.29	-0.71	54	47.69	32.18	7.75	34.33	391	14	A	V
	*	2412	116.52	-	-	110.87	32.2	7.75	34.3	391	14	P	V
	*	2412	104.93	-	-	99.28	32.2	7.75	34.3	391	14	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2386.68	59.34	-14.66	74	53.75	32.18	7.75	34.34	381	40	P	H
		2387.4	45.06	-8.94	54	39.47	32.18	7.75	34.34	381	40	A	H
	*	2437	109.25	-	-	103.43	32.24	7.83	34.25	381	40	P	H
	*	2437	96.03	-	-	90.21	32.24	7.83	34.25	381	40	A	H
		2485.28	59.99	-14.01	74	53.97	32.28	7.91	34.17	381	40	P	H
		2488.92	45.73	-8.27	54	39.69	32.3	7.91	34.17	381	40	A	H
		2389.29	59.17	-14.83	74	53.57	32.18	7.75	34.33	386	10	P	V
		2386.68	45.58	-8.42	54	39.99	32.18	7.75	34.34	386	10	A	V
	*	2437	112.06	-	-	106.24	32.24	7.83	34.25	386	10	P	V
	*	2437	99.44	-	-	93.62	32.24	7.83	34.25	386	10	A	V
		2485.36	62.12	-11.88	74	56.1	32.28	7.91	34.17	386	10	P	V
		2486.88	46.75	-7.25	54	40.73	32.28	7.91	34.17	386	10	A	V



<b>802.11n HT20 CH 11 2462MHz</b>	*	2462	112	-	-	106.04	32.26	7.91	34.21	385	31	P	H
	*	2462	100.53	-	-	94.57	32.26	7.91	34.21	385	31	A	H
		2483.6	70.25	-3.75	74	64.24	32.28	7.91	34.18	385	31	P	H
		2483.52	52.49	-1.51	54	46.48	32.28	7.91	34.18	385	31	A	H
													H
													H
	*	2462	115.56	-	-	109.6	32.26	7.91	34.21	378	17	P	V
	*	2462	103.94	-	-	97.98	32.26	7.91	34.21	378	17	A	V
		2483.6	70.81	-3.19	74	64.8	32.28	7.91	34.18	378	17	P	V
		2483.52	53.27	-0.73	54	47.26	32.28	7.91	34.18	378	17	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





## 15C 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT20 (Harmonic @ 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		4824	65.51	-8.49	74	79.73	34.26	11.16	59.64	336	334	P	H
		4824	50.24	-3.76	54	64.46	34.26	11.16	59.64	336	334	A	H
													H
													H
		4824	65.99	-8.01	74	80.21	34.26	11.16	59.64	352	359	P	V
		4824	51.01	-2.99	54	65.23	34.26	11.16	59.64	352	359	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	64.37	-9.63	74	78.43	34.3	11.21	59.57	334	334	P	H
		4874	49.15	-4.85	54	63.21	34.3	11.21	59.57	334	334	A	H
		7311	55.96	-18.04	74	63.75	35.6	15.08	58.47	353	291	P	H
		7311	37.64	-16.36	54	45.43	35.6	15.08	58.47	353	291	A	H
		4874	66.63	-7.37	74	80.69	34.3	11.21	59.57	366	301	P	V
		4874	50.47	-3.53	54	64.53	34.3	11.21	59.57	366	301	A	V
		7311	55.12	-18.88	74	62.91	35.6	15.08	58.47	332	313	P	V
		7311	38.64	-15.36	54	46.43	35.6	15.08	58.47	332	313	A	V
802.11n HT20 CH 11 2462MHz		4924	62.43	-11.57	74	76.32	34.34	11.27	59.5	291	337	P	H
		4924	46.89	-7.11	54	60.78	34.34	11.27	59.5	291	337	A	H
		7386	48.2	-25.8	74	56.04	35.6	15.14	58.58	100	0	P	H
													H
		4924	66.56	-7.44	74	80.45	34.34	11.27	59.5	356	360	P	V
		4924	50.87	-3.13	54	64.76	34.34	11.27	59.5	356	360	A	V
		7386	52.22	-21.78	74	60.06	35.6	15.14	58.58	244	238	P	V
		7386	35.48	-18.52	54	43.32	35.6	15.14	58.58	244	238	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



## 15C 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		2383.35	68.26	-5.74	74	62.69	32.16	7.75	34.34	353	289	P	H
		2383.17	51.56	-2.44	54	45.99	32.16	7.75	34.34	353	289	A	H
	*	2422	114.23	-	-	108.46	32.22	7.83	34.28	353	289	P	H
	*	2422	102.25	-	-	96.48	32.22	7.83	34.28	353	289	A	H
		2494.84	61.24	-12.76	74	55.19	32.3	7.91	34.16	353	289	P	H
		2483.56	46.76	-7.24	54	40.75	32.28	7.91	34.18	353	289	A	H
		2386.86	68.93	-5.07	74	63.34	32.18	7.75	34.34	345	334	P	V
		2386.86	52.66	-1.34	54	47.07	32.18	7.75	34.34	345	334	A	V
	*	2422	111.75	-	-	105.98	32.22	7.83	34.28	345	334	P	V
	*	2422	100.55	-	-	94.78	32.22	7.83	34.28	345	334	A	V
		2486.2	60.47	-13.53	74	54.45	32.28	7.91	34.17	345	334	P	V
		2484.72	46.24	-7.76	54	40.23	32.28	7.91	34.18	345	334	A	V
802.11n HT40 CH 06 2437MHz		2390	64.92	-9.08	74	59.32	32.18	7.75	34.33	356	290	P	H
		2390	49.84	-4.16	54	44.24	32.18	7.75	34.33	356	290	A	H
	*	2437	112.81	-	-	106.99	32.24	7.83	34.25	356	290	P	H
	*	2437	101.57	-	-	95.75	32.24	7.83	34.25	356	290	A	H
		2486	66.33	-7.67	74	60.31	32.28	7.91	34.17	356	290	P	H
		2483.6	49.82	-4.18	54	43.81	32.28	7.91	34.18	356	290	A	H
		2387.94	59.58	-14.42	74	53.99	32.18	7.75	34.34	386	340	P	V
		2390	46.52	-7.48	54	40.92	32.18	7.75	34.33	386	340	A	V
	*	2437	109.14	-	-	103.32	32.24	7.83	34.25	386	340	P	V
	*	2437	97.46	-	-	91.64	32.24	7.83	34.25	386	340	A	V
		2490.64	62.04	-11.96	74	56	32.3	7.91	34.17	386	340	P	V
		2489.72	46.78	-7.22	54	40.74	32.3	7.91	34.17	386	340	A	V



<b>802.11n</b> <b>HT40</b> <b>CH 09</b> <b>2452MHz</b>		2357.88	58.56	-15.44	74	53.14	32.13	7.68	34.39	395	264	P	H
		2389.47	44.65	-9.35	54	39.05	32.18	7.75	34.33	395	264	A	H
	*	2460.371	112	-	-	106.05	32.26	7.91	34.22	395	264	P	H
	*	2459.953	99.83	-	-	93.96	32.26	7.83	34.22	395	264	A	H
		2485.6	68.66	-5.34	74	62.64	32.28	7.91	34.17	395	264	P	H
		2483.52	51.18	-2.82	54	45.17	32.28	7.91	34.18	395	264	A	H
		2378.94	58.8	-15.2	74	53.31	32.16	7.68	34.35	379	10	P	V
		2389.47	44.44	-9.56	54	38.84	32.18	7.75	34.33	379	10	A	V
	*	2454.275	108.31	-	-	102.45	32.26	7.83	34.23	379	10	P	V
	*	2453.44	96.29	-	-	90.45	32.24	7.83	34.23	379	10	A	V
		2488.52	64.08	-9.92	74	58.04	32.3	7.91	34.17	379	10	P	V
		2483.52	48.45	-5.55	54	42.44	32.28	7.91	34.18	379	10	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



## 15C 2.4GHz 2400~2483.5MHz

## WIFI 802.11n HT40 (Harmonic @ 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		4844	55.51	-18.49	74	69.69	34.28	11.16	59.62	346	339	P	H
		4844	40.45	-13.55	54	54.63	34.28	11.16	59.62	346	339	A	H
		7266	49.01	-24.99	74	56.78	35.6	15.06	58.43	100	0	P	H
													H
		4844	58.56	-15.44	74	72.74	34.28	11.16	59.62	332	360	P	V
		4844	42.5	-11.5	54	56.68	34.28	11.16	59.62	332	360	A	V
		7266	46.55	-27.45	74	54.32	35.6	15.06	58.43	100	0	P	V
													V
802.11n HT40 CH 06 2437MHz		4874	60.06	-13.94	74	74.12	34.3	11.21	59.57	253	338	P	H
		4874	43.88	-10.12	54	57.94	34.3	11.21	59.57	253	338	A	H
		7311	46.16	-27.84	74	53.95	35.6	15.08	58.47	100	0	P	H
													H
		4874	62.7	-11.3	74	76.76	34.3	11.21	59.57	341	3	P	V
		4874	47.74	-6.26	54	61.8	34.3	11.21	59.57	341	3	A	V
		7311	44.26	-29.74	74	52.05	35.6	15.08	58.47	100	0	P	V
													V
802.11n HT40 CH 09 2452MHz		4904	56.89	-17.11	74	70.81	34.33	11.27	59.52	280	32	P	H
		4904	41.81	-12.19	54	55.73	34.33	11.27	59.52	280	32	A	H
		7356	43.28	-30.72	74	51.1	35.6	15.11	58.53	100	0	P	H
													H
		4904	60.31	-13.69	74	74.23	34.33	11.27	59.52	369	359	P	V
		4904	42.86	-11.14	54	56.78	34.33	11.27	59.52	369	359	A	V
		7356	44.21	-29.79	74	52.03	35.6	15.11	58.53	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



## 15C 2.4GHz 2400~2483.5MHz

## 15C 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
2.4GHz 802.11b LF		30	34.29	-5.71	40	44.12	19.9	1.77	31.5	-	-	P	H
		147.99	37.54	-5.96	43.5	54.68	11.35	2.61	31.1	-	-	P	H
		258.42	39.99	-6.01	46	54.13	13.9	2.96	31	-	-	P	H
		324.5	39.59	-6.41	46	52.71	14.6	3.28	31	-	-	P	H
		650	41.63	-4.37	46	48.21	19.7	4.22	30.5	100	23	P	H
		687.8	38.18	-7.82	46	44.55	19.7	4.35	30.42	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	36.89	-3.11	40	46.72	19.9	1.77	31.5	100	44	P	V
		148.8	34.14	-9.36	43.5	51.28	11.35	2.61	31.1	-	-	P	V
		256.53	37.78	-8.22	46	52.02	13.8	2.96	31	-	-	P	V
		324.5	34.04	-11.96	46	47.16	14.6	3.28	31	-	-	P	V
		650	39.71	-6.29	46	46.29	19.7	4.22	30.5	-	-	P	V
		687.8	32.42	-13.58	46	38.79	19.7	4.35	30.42	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

### 15C Emission below 1GHz

## 2.4GHz WIFI 802.11g (LF)

[illegible]

**15C 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		30.27	30.65	-9.35	40	40.48	19.9	1.77	31.5	-	-	P	H
		149.07	38.67	-4.83	43.5	55.89	11.27	2.61	31.1	-	-	P	H
		260.85	38.9	-7.1	46	52.69	14.05	3.16	31	-	-	P	H
		324.5	39.17	-6.83	46	52.29	14.6	3.28	31	-	-	P	H
		650	41.24	-4.76	46	47.82	19.7	4.22	30.5	100	26	P	H
		687.8	37.64	-8.36	46	44.01	19.7	4.35	30.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30	36.59	-3.41	40	46.42	19.9	1.77	31.5	100	77	P	V
		148.8	34.07	-9.43	43.5	51.21	11.35	2.61	31.1	-	-	P	V
		260.58	37.63	-8.37	46	51.42	14.05	3.16	31	-	-	P	V
		324.5	34.43	-11.57	46	47.55	14.6	3.28	31	-	-	P	V
		650	39.92	-6.08	46	46.5	19.7	4.22	30.5	-	-	P	V
		687.8	31.86	-14.14	46	38.23	19.7	4.35	30.42	-	-	P	V
													V
													V
													V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

**15C 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.	
4TX		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
2.4GHz 802.11n HT40 LF		30.54	31.62	-8.38	40	41.97	19.34	1.77	31.46	-	-	P	H
		148.8	38.79	-4.71	43.5	55.93	11.35	2.61	31.1	-	-	P	H
		260.31	38.92	-7.08	46	52.66	14.1	3.16	31	-	-	P	H
		324.5	40.55	-5.45	46	53.67	14.6	3.28	31	-	-	P	H
		650	41.67	-4.33	46	48.25	19.7	4.22	30.5	100	31	P	H
		687.8	37.62	-8.38	46	43.99	19.7	4.35	30.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30	36.34	-3.66	40	46.17	19.9	1.77	31.5	100	84	P	V
		148.53	34.62	-8.88	43.5	51.76	11.35	2.61	31.1	-	-	P	V
		260.31	37.63	-8.37	46	51.37	14.1	3.16	31	-	-	P	V
		324.5	33.24	-12.76	46	46.36	14.6	3.28	31	-	-	P	V
		650	39.57	-6.43	46	46.15	19.7	4.22	30.5	-	-	P	V
		687.8	31.83	-14.17	46	38.2	19.7	4.35	30.42	-	-	P	V
													V
													V
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													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 per 15.209(c).
!	Test result is <b>over limit</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>H</b> orizontal or <b>V</b> ertical



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

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”.