



Appendix B. Radiated Spurious Emission

Test Engineer :	Karl Hou, Rover Lee, Peter Liao, Citta Ke, and Nick Yu	Temperature :	22~25°C
		Relative Humidity :	52~56%

Band 1 - 5150~5250MHz

WIFI 802.11a (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)	
802.11a CH 36 5180MHz		5150	62.57	-11.43	74	50.66	31.65	11.21	30.95	301	179	P	H	
		5150	52.77	-1.23	54	40.86	31.65	11.21	30.95	301	179	A	H	
	*	5180	101.28	-	-	89.34	31.68	11.21	30.95	301	179	A	H	
	*	5180	110.78	-	-	98.84	31.68	11.21	30.95	301	179	P	H	
													H	
														H
			5145.86	61.27	-12.73	74	49.36	31.65	11.21	30.95	115	120	P	V
			5147.68	50.27	-3.73	54	38.36	31.65	11.21	30.95	115	120	A	V
	*		5180	98.82	-	-	86.88	31.68	11.21	30.95	115	120	A	V
	*		5180	107.71	-	-	95.77	31.68	11.21	30.95	115	120	P	V
														V
														V
802.11a CH 44 5220MHz		5148.46	58.76	-15.24	74	46.85	31.65	11.21	30.95	270	181	P	H	
		5054.86	48.39	-5.61	54	36.46	31.57	11.31	30.95	270	181	A	H	
	*	5220	111.86	-	-	99.91	31.72	11.18	30.95	270	181	P	H	
	*	5220	102.6	-	-	90.65	31.72	11.18	30.95	270	181	A	H	
			5419.44	60.22	-13.78	74	47.65	31.92	11.6	30.95	270	181	P	H
			5411.52	49.05	-4.95	54	36.48	31.92	11.6	30.95	270	181	A	H
			5031.46	58.75	-15.25	74	46.86	31.53	11.31	30.95	100	295	P	V
			5106.86	48.19	-5.81	54	36.28	31.62	11.24	30.95	100	295	A	V
	*		5218	106.84	-	-	94.89	31.72	11.18	30.95	100	295	P	V
	*		5218	98.32	-	-	86.37	31.72	11.18	30.95	100	295	A	V
			5417.28	59.46	-14.54	74	46.89	31.92	11.6	30.95	100	295	P	V
			5431.2	48.79	-5.21	54	36.17	31.93	11.64	30.95	100	295	A	V



802.11a CH 48 5240MHz		5009.1	58.99	-15.01	74	47.08	31.52	11.34	30.95	254	195	P	H
		5050.44	48.37	-5.63	54	36.46	31.55	11.31	30.95	254	195	A	H
	*	5240	110.52	-	-	98.48	31.73	11.26	30.95	254	195	P	H
	*	5240	102.55	-	-	90.51	31.73	11.26	30.95	254	195	A	H
		5377.68	59.87	-14.13	74	47.42	31.88	11.52	30.95	254	195	P	H
		5454.72	49.03	-4.97	54	36.39	31.95	11.64	30.95	254	195	A	H
		5004.94	58.66	-15.34	74	46.75	31.52	11.34	30.95	100	302	P	V
		5078	48.09	-5.91	54	36.19	31.58	11.27	30.95	100	302	A	V
	*	5240	106.84	-	-	94.8	31.73	11.26	30.95	100	302	P	V
	*	5240	99.02	-	-	86.98	31.73	11.26	30.95	100	302	A	V
		5412.72	59.49	-14.51	74	46.92	31.92	11.6	30.95	100	302	P	V
		5398.8	48.9	-5.1	54	36.35	31.9	11.6	30.95	100	302	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (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)
802.11a CH 36 5180MHz		10360	60	-8.2	68.2	60.75	39.59	17.13	57.47	100	0	P	H
		15540	46.91	-27.09	74	45.57	38.26	21.61	58.53	100	0	P	H
													H
													H
		10360	62.81	-5.39	68.2	63.56	39.59	17.13	57.47	100	0	P	V
		15540	48.01	-25.99	74	46.67	38.26	21.61	58.53	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	64.16	-4.04	68.2	64.58	39.69	17.22	57.33	100	0	P	H
		15660	44.11	-29.89	74	42.59	38.11	21.7	58.29	100	0	P	H
													H
													H
		10440	67.17	-1.03	68.2	67.59	39.69	17.22	57.33	100	141	P	V
		15660	44.35	-29.65	74	42.83	38.11	21.7	58.29	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	60.24	-7.96	68.2	60.43	39.77	17.27	57.23	100	0	P	H
		15720	45.09	-28.91	74	43.45	38.03	21.76	58.15	100	0	P	H
													H
													H
		10480	67.05	-1.15	68.2	67.24	39.77	17.27	57.23	100	143	P	V
		15720	44.04	-29.96	74	42.4	38.03	21.76	58.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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 36 5180MHz		5150	62.71	-11.29	74	50.8	31.65	11.21	30.95	301	184	P	H	
		5150	52.11	-1.89	54	40.2	31.65	11.21	30.95	301	184	A	H	
	*	5180	99.46	-	-	87.52	31.68	11.21	30.95	301	184	A	H	
	*	5180	108.82	-	-	96.88	31.68	11.21	30.95	301	184	P	H	
													H	
														H
			5148.46	60.63	-13.37	74	48.72	31.65	11.21	30.95	106	120	P	V
			5150	50.74	-3.26	54	38.83	31.65	11.21	30.95	106	120	A	V
		*	5180	98.33	-	-	86.39	31.68	11.21	30.95	106	120	A	V
		*	5180	107.49	-	-	95.55	31.68	11.21	30.95	106	120	P	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5108.68	59.11	-14.89	74	47.2	31.62	11.24	30.95	241	189	P	H	
		5134.94	48.36	-5.64	54	36.44	31.63	11.24	30.95	241	189	A	H	
		* 5220	110.19	-	-	98.24	31.72	11.18	30.95	241	189	P	H	
		* 5220	100.58	-	-	88.63	31.72	11.18	30.95	241	189	A	H	
			5441.28	59.89	-14.11	74	47.27	31.93	11.64	30.95	241	189	P	H
			5422.8	49.32	-4.68	54	36.71	31.92	11.64	30.95	241	189	A	H
			5010.92	59.7	-14.3	74	47.79	31.52	11.34	30.95	100	125	P	V
			5124.28	48.09	-5.91	54	36.17	31.63	11.24	30.95	100	125	A	V
		*	5218	108.58	-	-	96.63	31.72	11.18	30.95	100	125	P	V
		*	5218	98.28	-	-	86.33	31.72	11.18	30.95	100	125	A	V
		5414.4	59.79	-14.21	74	47.22	31.92	11.6	30.95	100	125	P	V	
		5428.08	49.13	-4.87	54	36.52	31.92	11.64	30.95	100	125	A	V	



802.11n HT20 CH 48 5240MHz		5045.24	59.21	-14.79	74	47.3	31.55	11.31	30.95	254	190	P	H
		5000	48.36	-5.64	54	36.47	31.5	11.34	30.95	254	190	A	H
	*	5240	110.56	-	-	98.52	31.73	11.26	30.95	254	190	P	H
	*	5240	100.77	-	-	88.73	31.73	11.26	30.95	254	190	A	H
		5433.6	59.41	-14.59	74	46.79	31.93	11.64	30.95	254	190	P	H
		5440.08	49.1	-4.9	54	36.48	31.93	11.64	30.95	254	190	A	H
		5118.56	59.22	-14.78	74	47.31	31.62	11.24	30.95	100	120	P	V
		5085.54	48.13	-5.87	54	36.23	31.58	11.27	30.95	100	120	A	V
	*	5242	109.5	-	-	97.44	31.75	11.26	30.95	100	120	P	V
	*	5242	99.95	-	-	87.89	31.75	11.26	30.95	100	120	A	V
		5361.6	59.96	-14.04	74	47.52	31.87	11.52	30.95	100	120	P	V
		5406.48	49.04	-4.96	54	36.49	31.9	11.6	30.95	100	120	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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 36 5180MHz		10360	57.73	-10.47	68.2	58.48	39.59	17.13	57.47	100	0	P	H	
		15540	45.2	-28.8	74	43.86	38.26	21.61	58.53	100	0	P	H	
													H	
													H	
			10360	61.26	-6.94	68.2	62.01	39.59	17.13	57.47	100	0	P	V
			15540	45.3	-28.7	74	43.96	38.26	21.61	58.53	100	0	P	V
														V
802.11n HT20 CH 44 5220MHz		10440	64.12	-4.08	68.2	64.54	39.69	17.22	57.33	301	153	P	H	
		15660	44.14	-29.86	74	42.62	38.11	21.7	58.29	100	0	P	H	
													H	
													H	
			10440	66.87	-1.33	68.2	67.29	39.69	17.22	57.33	100	145	P	V
			15660	46.98	-27.02	74	45.46	38.11	21.7	58.29	100	0	P	V
														V
802.11n HT20 CH 48 5240MHz		10480	65.19	-3.01	68.2	65.38	39.77	17.27	57.23	292	152	P	H	
		15720	44.07	-29.93	74	42.43	38.03	21.76	58.15	100	0	P	H	
													H	
													H	
			10480	66.89	-1.31	68.2	67.08	39.77	17.27	57.23	100	144	P	V
			15720	44.02	-29.98	74	42.38	38.03	21.76	58.15	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz

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 38 5190MHz		5150	63.02	-10.98	74	51.11	31.65	11.21	30.95	298	181	P	H
		5149.5	51.95	-2.05	54	40.04	31.65	11.21	30.95	298	181	A	H
	*	5190	93.49	-	-	81.58	31.68	11.18	30.95	298	181	A	H
	*	5190	104.29	-	-	92.38	31.68	11.18	30.95	298	181	P	H
		5363.76	55.79	-18.21	74	43.35	31.87	11.52	30.95	298	181	P	H
		5376.48	45.2	-8.8	54	32.76	31.87	11.52	30.95	298	181	A	H
		5147.94	60.25	-13.75	74	48.34	31.65	11.21	30.95	100	120	P	V
		5150	50.65	-3.35	54	38.74	31.65	11.21	30.95	100	120	A	V
	*	5194	92.3	-	-	80.37	31.7	11.18	30.95	100	120	A	V
	*	5194	101.71	-	-	89.78	31.7	11.18	30.95	100	120	P	V
		5425.92	55.76	-18.24	74	43.15	31.92	11.64	30.95	100	120	P	V
		5405.04	45.22	-8.78	54	32.67	31.9	11.6	30.95	100	120	A	V
802.11n HT40 CH 46 5230MHz		5148.98	63.41	-10.59	74	51.5	31.65	11.21	30.95	100	193	P	H
		5150	52.43	-1.57	54	40.52	31.65	11.21	30.95	100	193	A	H
	*	5228	111.39	-	-	99.35	31.73	11.26	30.95	100	193	P	H
	*	5228	98.76	-	-	86.72	31.73	11.26	30.95	100	193	A	H
		5357.28	58.48	-15.52	74	46.06	31.85	11.52	30.95	100	193	P	H
		5350.8	47.65	-6.35	54	35.23	31.85	11.52	30.95	100	193	A	H
		5148.46	61.69	-12.31	74	49.78	31.65	11.21	30.95	103	119	P	V
		5149.76	51.59	-2.41	54	39.68	31.65	11.21	30.95	103	119	A	V
	*	5228	109.78	-	-	97.74	31.73	11.26	30.95	103	119	P	V
	*	5228	98.27	-	-	86.23	31.73	11.26	30.95	103	119	A	V
	5382.96	57.4	-16.6	74	44.87	31.88	11.6	30.95	103	119	P	V	
	5350.32	47.11	-6.89	54	34.69	31.85	11.52	30.95	103	119	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

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 38 5190MHz		10380	51.31	-16.89	68.2	52	39.61	17.13	57.43	100	0	P	H
		15570	45.66	-28.34	74	44.26	38.22	21.64	58.46	100	0	P	H
													H
													H
		10380	56.64	-11.56	68.2	57.33	39.61	17.13	57.43	100	0	P	V
		15570	44.48	-29.52	74	43.08	38.22	21.64	58.46	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	62.06	-6.14	68.2	62.42	39.72	17.22	57.3	100	0	P	H
		15690	43.36	-30.64	74	41.78	38.07	21.73	58.22	100	0	P	H
													H
													H
		10460	63.56	-4.64	68.2	63.92	39.72	17.22	57.3	100	0	P	V
		15690	43.67	-30.33	74	42.09	38.07	21.73	58.22	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (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)
802.11ac VHT80 CH 42 5210MHz		5140.4	63.57	-10.43	74	51.66	31.65	11.21	30.95	106	178	P	H
		5145.08	52.08	-1.92	54	40.17	31.65	11.21	30.95	106	178	A	H
	*	5212	101.55	-	-	89.6	31.72	11.18	30.95	106	178	P	H
	*	5212	89.37	-	-	77.42	31.72	11.18	30.95	106	178	A	H
		5422.08	59.62	-14.38	74	47.01	31.92	11.64	30.95	106	178	P	H
		5354.4	50.1	-3.9	54	37.68	31.85	11.52	30.95	106	178	P	H
		5145.6	60.85	-13.15	74	48.94	31.65	11.21	30.95	100	121	P	V
		5145.6	50.42	-3.58	54	38.51	31.65	11.21	30.95	100	121	A	V
	*	5208	99.64	-	-	87.69	31.72	11.18	30.95	100	121	P	V
	*	5208	88.37	-	-	76.42	31.72	11.18	30.95	100	121	A	V
		5382.72	59.27	-14.73	74	46.74	31.88	11.6	30.95	100	121	P	V
		5432.16	50.25	-3.75	54	37.63	31.93	11.64	30.95	100	121	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 42 5210MHz		10420	45.72	-28.28	74	46.24	39.67	17.18	57.37	100	0	P	H	
		15630	42.64	-31.36	74	41.13	38.13	21.7	58.32	100	0	P	H	
													H	
													H	
			10420	45.99	-28.01	74	46.51	39.67	17.18	57.37	100	0	P	V
			15630	44.29	-29.71	74	42.78	38.13	21.7	58.32	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

WIFI 802.11a (LF @ 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.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a LF		30.54	24.12	-15.88	40	30.54	25.26	0.78	32.46	-	-	P	H	
		81.03	24.19	-15.81	40	41.76	13.81	1.06	32.44	-	-	P	H	
		139.08	31.77	-11.73	43.5	44.94	17.82	1.43	32.42	-	-	P	H	
		141.24	31.97	-11.53	43.5	44.89	17.75	1.75	32.42	170	272	P	H	
		250.05	24.42	-21.58	46	36.41	18.5	1.83	32.32	-	-	P	H	
		957.3	33.48	-12.52	46	29.59	30.21	4.75	31.07	-	-	P	H	
														H
														H
														H
														H
														H
														H
			45.12	35.31	-4.69	40	49.92	17.07	0.78	32.46	-	-	P	V
			47.82	35.46	-4.54	40	50.94	16.2	0.78	32.46	100	187	P	V
			81.03	30.57	-9.43	40	48.14	13.81	1.06	32.44	-	-	P	V
			172.02	31.55	-11.95	43.5	46.43	15.79	1.75	32.42	-	-	P	V
			890.1	32.07	-13.93	46	30.41	28.84	4.45	31.63	-	-	P	V
			944.7	32.92	-13.08	46	29.18	30.16	4.75	31.17	-	-	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.													



<EUT with RJ-45>

Band 1 - 5150~5250MHz

WIFI 802.11a (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)
802.11a CH 44 5220MHz		5053.56	59.06	-14.94	74	47.15	31.55	11.31	30.95	100	235	P	H
		5102.18	47.75	-6.25	54	35.86	31.6	11.24	30.95	100	235	A	H
	*	5218	111.83	-	-	99.88	31.72	11.18	30.95	100	235	P	H
	*	5218	101.11	-	-	89.16	31.72	11.18	30.95	100	235	A	H
		5440.08	60.37	-13.63	74	47.75	31.93	11.64	30.95	100	235	P	H
		5448.24	48.46	-5.54	54	35.82	31.95	11.64	30.95	100	235	A	H
		5022.62	59.29	-14.71	74	47.4	31.53	11.31	30.95	119	182	P	V
		5028.86	47.74	-6.26	54	35.85	31.53	11.31	30.95	119	182	A	V
	*	5222	111.65	-	-	99.62	31.72	11.26	30.95	119	182	P	V
	*	5222	101.03	-	-	89	31.72	11.26	30.95	119	182	A	V
		5357.28	59.65	-14.35	74	47.23	31.85	11.52	30.95	119	182	P	V
		5453.52	48.18	-5.82	54	35.54	31.95	11.64	30.95	119	182	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												
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Band 1 5150~5250MHz

WIFI 802.11a (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)	
802.11a CH 44 5220MHz		10440	56.74	-11.46	68.2	57.16	39.69	17.22	57.33	100	0	P	H	
		15660	47.13	-26.87	74	45.61	38.11	21.7	58.29	100	0	P	H	
													H	
													H	
			10440	60.08	-8.12	68.2	60.5	39.69	17.22	57.33	100	0	P	V
			15660	45.17	-28.83	74	43.65	38.11	21.7	58.29	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

WIFI 802.11a (LF @ 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.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a LF		45.66	21.69	-18.31	40	36.3	17.07	0.78	32.46	-	-	P	H	
		140.16	29.98	-13.52	43.5	42.88	17.77	1.75	32.42	100	0	P	H	
		157.17	29.79	-13.71	43.5	43.31	17.15	1.75	32.42	-	-	P	H	
		419	23.1	-22.9	46	30.25	22.55	2.68	32.38	-	-	P	H	
		618.5	26.2	-19.8	46	29.48	25.62	3.5	32.4	-	-	P	H	
		787.9	29.42	-16.58	46	29.76	27.75	4.14	32.23	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			46.47	36.9	-3.1	40	51.95	16.63	0.78	32.46	100	0	P	V
			59.97	35.48	-4.52	40	55.35	11.8	0.78	32.45	-	-	P	V
			161.76	28.57	-14.93	43.5	42.46	16.78	1.75	32.42	-	-	P	V
			363	22.9	-23.1	46	31.47	21.31	2.44	32.32	-	-	P	V
			489	24.46	-21.54	46	29.99	23.79	3.08	32.4	-	-	P	V
			671.7	27.47	-18.53	46	29.88	26.18	3.82	32.41	-	-	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+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”.