



Appendix B. Radiated Spurious Emission

Test Engineer :	Nick Yu, J.C. Liang, and Ricky Su	Temperature :	23~25°C
		Relative Humidity :	55~60%

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 36 5180MHz		5147.3	64.78	-9.22	74	56.19	31.65	11.21	34.27	215	243	P	H
		5147.75	53.8	-0.2	54	45.21	31.65	11.21	34.27	215	243	A	H
	*	5180	117.99	-	-	109.36	31.68	11.21	34.26	215	243	P	H
	*	5180	108.55	-	-	99.92	31.68	11.21	34.26	215	243	A	H
													H
													H
		5149.1	60.44	-13.56	74	51.85	31.65	11.21	34.27	255	231	P	V
		5149.55	49.4	-4.6	54	40.81	31.65	11.21	34.27	255	231	A	V
	*	5180	112.45	-	-	103.82	31.68	11.21	34.26	255	231	P	V
	*	5180	102.93	-	-	94.3	31.68	11.21	34.26	255	231	A	V
													V
													V
802.11a CH 40 5200MHz		5147.6	68.47	-5.53	74	59.88	31.65	11.21	34.27	220	244	P	H
		5148.35	53.1	-0.9	54	44.51	31.65	11.21	34.27	220	244	A	H
	*	5200	122.77	-	-	114.14	31.7	11.18	34.25	220	244	P	H
	*	5200	113.33	-	-	104.7	31.7	11.18	34.25	220	244	A	H
		5429.75	62.57	-11.43	74	53.17	31.93	11.64	34.17	220	244	P	H
		5407.09	50.96	-3.04	54	41.64	31.9	11.6	34.18	220	244	A	H
		5149.1	62.47	-11.53	74	53.88	31.65	11.21	34.27	257	226	P	V
		5149.7	50.19	-3.81	54	41.6	31.65	11.21	34.27	257	226	A	V
	*	5200	117.43	-	-	108.8	31.7	11.18	34.25	257	226	P	V
	*	5200	108.18	-	-	99.55	31.7	11.18	34.25	257	226	A	V
		5408.96	57.74	-16.26	74	48.42	31.9	11.6	34.18	257	226	P	V
		5421.5	46.38	-7.62	54	36.99	31.92	11.64	34.17	257	226	A	V



802.11a CH 48 5240MHz		5147.15	60.99	-13.01	74	52.4	31.65	11.21	34.27	204	243	P	H
		5150	50.42	-3.58	54	41.83	31.65	11.21	34.27	204	243	A	H
	*	5240	123.24	-	-	114.49	31.73	11.26	34.24	204	243	P	H
	*	5240	114.01	-	-	105.26	31.73	11.26	34.24	204	243	A	H
		5351.87	63.71	-10.29	74	54.54	31.85	11.52	34.2	204	243	P	H
		5425.79	51.46	-2.54	54	42.07	31.92	11.64	34.17	204	243	A	H
		5137.1	58.12	-15.88	74	49.53	31.63	11.24	34.28	246	223	P	V
		5149.55	46.9	-7.1	54	38.31	31.65	11.21	34.27	246	223	A	V
	*	5240	118.68	-	-	109.93	31.73	11.26	34.24	246	223	P	V
	*	5240	109.14	-	-	100.39	31.73	11.26	34.24	246	223	A	V
		5394.99	57.9	-16.1	74	48.58	31.9	11.6	34.18	246	223	P	V
		5372.99	46.65	-7.35	54	37.45	31.87	11.52	34.19	246	223	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	52.45	-21.55	74	53.2	39.59	17.13	57.47	190	120	P	H
		10360	43.09	-10.91	54	43.84	39.59	17.13	57.47	190	120	A	H
		15540	48.26	-25.74	74	46.92	38.26	21.61	58.53	100	0	P	H
													H
		10360	49.14	-24.86	74	49.89	39.59	17.13	57.47	100	0	P	V
		15540	45.78	-28.22	74	44.44	38.26	21.61	58.53	100	0	P	V
													V
													V
802.11a CH 40 5200MHz		10400	56.78	-17.22	74	57.36	39.64	17.18	57.4	257	80	P	H
		10400	44.92	-9.08	54	45.5	39.64	17.18	57.4	257	80	A	H
		15606	58.54	-15.46	74	57.08	38.18	21.67	58.39	173	298	P	H
		15606	48.79	-5.21	54	47.33	38.18	21.67	58.39	173	298	A	H
		10400	51.07	-22.93	74	51.65	39.64	17.18	57.4	125	325	P	V
		10400	41.22	-12.78	54	41.8	39.64	17.18	57.4	125	325	A	V
		15600	53.28	-20.72	74	51.82	38.18	21.67	58.39	100	350	P	V
		15600	40	-14	54	38.54	38.18	21.67	58.39	100	350	A	V
802.11a CH 48 5240MHz		10485	55.86	-18.14	74	56.05	39.77	17.27	57.23	259	79	P	H
		10485	45.11	-8.89	54	45.3	39.77	17.27	57.23	259	79	A	H
		15714	64.51	-9.49	74	62.87	38.03	21.76	58.15	347	297	P	H
		15714	52.82	-1.18	54	51.18	38.03	21.76	58.15	347	297	A	H
		10480	52.88	-21.12	74	53.07	39.77	17.27	57.23	306	360	P	V
		10480	41.56	-12.44	54	41.75	39.77	17.27	57.23	306	360	A	V
		15714	58.2	-15.8	74	56.56	38.03	21.76	58.15	155	315	P	V
		15714	45.38	-8.62	54	43.74	38.03	21.76	58.15	155	315	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 VHT20 (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 VHT20 CH 36 5180MHz		5149.25	65.89	-8.11	74	57.3	31.65	11.21	34.27	271	239	P	H
		5148.65	53.78	-0.22	54	45.19	31.65	11.21	34.27	271	239	A	H
	*	5180	117.26	-	-	108.63	31.68	11.21	34.26	271	239	P	H
	*	5180	107.8	-	-	99.17	31.68	11.21	34.26	271	239	A	H
													H
													H
		5145.05	62.21	-11.79	74	53.62	31.65	11.21	34.27	258	227	P	V
		5150	50.4	-3.6	54	41.81	31.65	11.21	34.27	258	227	A	V
	*	5180	112.4	-	-	103.77	31.68	11.21	34.26	258	227	P	V
	*	5180	102.51	-	-	93.88	31.68	11.21	34.26	258	227	A	V
													V
													V
802.11ac VHT20 CH 40 5200MHz		5144.6	66.08	-7.92	74	57.49	31.65	11.21	34.27	219	244	P	H
		5146.1	53.19	-0.81	54	44.6	31.65	11.21	34.27	219	244	A	H
	*	5200	122.65	-	-	114.02	31.7	11.18	34.25	219	244	P	H
	*	5200	111.89	-	-	103.26	31.7	11.18	34.25	219	244	A	H
		5414.79	62.82	-11.18	74	53.47	31.92	11.6	34.17	219	244	P	H
		5415.56	50.98	-3.02	54	41.63	31.92	11.6	34.17	219	244	A	H
		5149.7	62.43	-11.57	74	53.84	31.65	11.21	34.27	239	228	P	V
		5150	50.31	-3.69	54	41.72	31.65	11.21	34.27	239	228	A	V
	*	5200	117.58	-	-	108.95	31.7	11.18	34.25	239	228	P	V
	*	5200	108.04	-	-	99.41	31.7	11.18	34.25	239	228	A	V
		5370.9	58.99	-15.01	74	49.79	31.87	11.52	34.19	239	228	P	V
		5415.01	46.54	-7.46	54	37.19	31.92	11.6	34.17	239	228	A	V



802.11ac VHT20 CH 48 5240MHz		5123.45	61.03	-12.97	74	52.44	31.63	11.24	34.28	277	236	P	H
		5119.25	50.01	-3.99	54	41.44	31.62	11.24	34.29	277	236	A	H
	*	5240	122.25	-	-	113.5	31.73	11.26	34.24	277	236	P	H
	*	5240	112	-	-	103.25	31.73	11.26	34.24	277	236	A	H
		5407.31	62.33	-11.67	74	53.01	31.9	11.6	34.18	277	236	P	H
		5453.95	51.06	-2.94	54	41.63	31.95	11.64	34.16	277	236	A	H
		5146.7	58.38	-15.62	74	49.79	31.65	11.21	34.27	240	231	P	V
		5149.55	47.04	-6.96	54	38.45	31.65	11.21	34.27	240	231	A	V
	*	5240	118.62	-	-	109.87	31.73	11.26	34.24	240	231	P	V
	*	5240	108.51	-	-	99.76	31.73	11.26	34.24	240	231	A	V
		5409.07	58.71	-15.29	74	49.39	31.9	11.6	34.18	240	231	P	V
		5428.87	46.89	-7.11	54	37.49	31.93	11.64	34.17	240	231	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 VHT20 (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 VHT20 CH 36 5180MHz		10360	53.08	-20.92	74	53.83	39.59	17.13	57.47	212	214	P	H
		10360	42.48	-11.52	54	43.23	39.59	17.13	57.47	212	214	A	H
		15540	46.49	-27.51	74	45.15	38.26	21.61	58.53	100	0	P	H
													H
		10360	48.21	-25.79	74	48.96	39.59	17.13	57.47	100	0	P	V
		15540	46.01	-27.99	74	44.67	38.26	21.61	58.53	100	0	P	V
													V
													V
802.11ac VHT20 CH 40 5200MHz		10395	57.49	-16.51	74	58.07	39.64	17.18	57.4	100	321	P	H
		10395	42.13	-11.87	54	42.71	39.64	17.18	57.4	100	321	A	H
		15606	62.14	-11.86	74	60.68	38.18	21.67	58.39	171	292	P	H
		15606	46.38	-7.62	54	44.92	38.18	21.67	58.39	171	292	A	H
		10395	53.39	-20.61	74	53.97	39.64	17.18	57.4	270	3	P	V
		10395	41.73	-12.27	54	42.31	39.64	17.18	57.4	270	3	A	V
		15588	55.4	-18.6	74	53.96	38.2	21.67	58.43	371	338	P	V
		15588	42.06	-11.94	54	40.62	38.2	21.67	58.43	371	338	A	V
802.11ac VHT20 CH 48 5240MHz		10475	55.2	-18.8	74	55.45	39.75	17.27	57.27	255	76	P	H
		10475	43.05	-10.95	54	43.3	39.75	17.27	57.27	255	76	A	H
		15726	64.97	-9.03	74	63.33	38.03	21.76	58.15	384	293	P	H
		15726	52.65	-1.35	54	51.01	38.03	21.76	58.15	384	293	A	H
		10490	52.11	-21.89	74	52.3	39.77	17.27	57.23	314	360	P	V
		10490	39.05	-14.95	54	39.24	39.77	17.27	57.23	314	360	A	V
		15720	59.7	-14.3	74	58.06	38.03	21.76	58.15	218	14	P	V
		15720	46.85	-7.15	54	45.21	38.03	21.76	58.15	218	14	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 VHT40 (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 VHT40 CH 38 5190MHz		5144.15	65.43	-8.57	74	56.84	31.65	11.21	34.27	211	238	P	H
		5144.75	52.86	-1.14	54	44.27	31.65	11.21	34.27	211	238	A	H
	*	5190	110.86	-	-	102.26	31.68	11.18	34.26	211	238	P	H
	*	5190	101.49	-	-	92.89	31.68	11.18	34.26	211	238	A	H
		5415.45	58.14	-15.86	74	48.79	31.92	11.6	34.17	211	238	P	H
		5430.74	47.25	-6.75	54	37.85	31.93	11.64	34.17	211	238	A	H
		5149.85	60.39	-13.61	74	51.8	31.65	11.21	34.27	259	227	P	V
		5149.7	50.44	-3.56	54	41.85	31.65	11.21	34.27	259	227	A	V
	*	5190	105.1	-	-	96.5	31.68	11.18	34.26	259	227	P	V
	*	5190	95.82	-	-	87.22	31.68	11.18	34.26	259	227	A	V
		5433.27	57.13	-16.87	74	47.73	31.93	11.64	34.17	259	227	P	V
		5382.12	46.33	-7.67	54	37.03	31.88	11.6	34.18	259	227	A	V
802.11ac VHT40 CH 46 5230MHz		5142.05	63.34	-10.66	74	54.75	31.65	11.21	34.27	217	243	P	H
		5147	51.67	-2.33	54	43.08	31.65	11.21	34.27	217	243	A	H
	*	5230	118.42	-	-	109.67	31.73	11.26	34.24	217	243	P	H
	*	5230	108.55	-	-	99.8	31.73	11.26	34.24	217	243	A	H
		5366.83	61.07	-12.93	74	51.87	31.87	11.52	34.19	217	243	P	H
		5446.36	50.25	-3.75	54	40.82	31.95	11.64	34.16	217	243	A	H
		5130.95	58.66	-15.34	74	50.07	31.63	11.24	34.28	253	227	P	V
		5148.5	48.3	-5.7	54	39.71	31.65	11.21	34.27	253	227	A	V
	*	5230	113.09	-	-	104.34	31.73	11.26	34.24	253	227	P	V
	*	5230	103.18	-	-	94.43	31.73	11.26	34.24	253	227	A	V
		5403.79	57.48	-16.52	74	48.16	31.9	11.6	34.18	253	227	P	V
		5433.27	46.84	-7.16	54	37.44	31.93	11.64	34.17	253	227	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 VHT40 (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 VHT40 CH 38 5190MHz		10380	47.11	-26.89	74	47.8	39.61	17.13	57.43	100	0	P	H
		15570	45.34	-28.66	74	43.94	38.22	21.64	58.46	100	0	P	H
													H
													H
		10380	46.86	-27.14	74	47.55	39.61	17.13	57.43	100	0	P	V
		15570	45.69	-28.31	74	44.29	38.22	21.64	58.46	100	0	P	V
													V
													V
802.11ac VHT40 CH 46 5230MHz		10465	52.79	-21.21	74	53.04	39.75	17.27	57.27	100	78	P	H
		10465	38.42	-15.58	54	38.67	39.75	17.27	57.27	100	78	A	H
		15696	53.68	-20.32	74	52.1	38.07	21.73	58.22	400	290	P	H
		15696	40.6	-13.4	54	39.02	38.07	21.73	58.22	400	290	A	H
		10460	47.57	-26.43	74	47.93	39.72	17.22	57.3	100	0	P	V
		15690	46.5	-27.5	74	44.92	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		5142.5	63.63	-10.37	74	55.04	31.65	11.21	34.27	220	243	P	H
		5142.05	53.54	-0.46	54	44.95	31.65	11.21	34.27	220	243	A	H
	*	5210	105.45	-	-	96.8	31.72	11.18	34.25	220	243	P	H
	*	5210	95.19	-	-	86.54	31.72	11.18	34.25	220	243	A	H
		5360.89	58.38	-15.62	74	49.18	31.87	11.52	34.19	220	243	P	H
		5414.79	47.34	-6.66	54	37.99	31.92	11.6	34.17	220	243	A	H
		5148.05	61.17	-12.83	74	52.58	31.65	11.21	34.27	257	226	P	V
		5149.55	50.13	-3.87	54	41.54	31.65	11.21	34.27	257	226	A	V
	*	5210	100.32	-	-	91.67	31.72	11.18	34.25	257	226	P	V
	*	5210	89.99	-	-	81.34	31.72	11.18	34.25	257	226	A	V
		5435.91	56.59	-17.41	74	47.19	31.93	11.64	34.17	257	226	P	V
		5403.68	46.34	-7.66	54	37.02	31.9	11.6	34.18	257	226	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	46.75	-27.25	74	47.27	39.67	17.18	57.37	100	0	P	H
		15630	44.99	-29.01	74	43.48	38.13	21.7	58.32	100	0	P	H
													H
													H
		10420	46.94	-27.06	74	47.46	39.67	17.18	57.37	100	0	P	V
		15630	44.92	-29.08	74	43.41	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 Adapter mode (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		38.1	36.58	-3.42	40	44.68	21.42	0.78	30.3	105	98	P	H
		93.99	39.15	-4.35	43.5	53.23	15.28	1.06	30.42			P	H
		99.12	38.37	-5.13	43.5	51.84	15.88	1.06	30.41			P	H
		374.9	30.81	-15.19	46	36.82	21.61	2.44	30.06			P	H
		624.8	32.52	-13.48	46	32.84	25.69	3.61	29.62			P	H
		711.6	37.49	-8.51	46	36.42	26.68	3.89	29.5			P	H
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													H
		43.23	33.86	-6.14	40	45.4	18.06	0.78	30.38	100	43	QP	V
		56.73	31.06	-8.94	40	48.01	12.73	0.78	30.46	110	63	QP	V
		153.66	39.32	-4.18	43.5	50.57	17.35	1.75	30.35			P	V
		309.8	33.4	-12.6	46	41.41	19.79	2.34	30.14			P	V
		850.2	31.61	-14.39	46	28.05	28.61	4.28	29.33			P	V
		875.4	32.54	-13.46	46	28.63	28.76	4.45	29.3			P	V
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Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11a POE mode (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		38.37	27.55	-12.45	40	36.22	20.86	0.78	30.31			P	H
		112.08	30.62	-12.88	43.5	42.35	17.24	1.43	30.4			P	H
		241.41	33.97	-12.03	46	44.62	17.76	1.83	30.24	100	0	P	H
		374.9	27.36	-18.64	46	33.37	21.61	2.44	30.06			P	H
		624.8	27.8	-18.2	46	28.12	25.69	3.61	29.62			P	H
		875.4	31.49	-14.51	46	27.58	28.76	4.45	29.3			P	H
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		38.37	36.64	-3.36	40	45.31	20.86	0.78	30.31	100	0	P	V
		55.38	32.96	-7.04	40	49.29	13.35	0.78	30.46			P	V
		73.74	32.23	-7.77	40	48.8	12.81	1.06	30.44			P	V
		374.9	27.18	-18.82	46	33.19	21.61	2.44	30.06			P	V
		500.2	27.12	-18.88	46	29.74	24	3.19	29.81			P	V
		772.5	29.74	-16.26	46	27.51	27.69	3.97	29.43			P	V
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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

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”.