



## Appendix B. Radiated Spurious Emission

Test Engineer :	Nick Yu and Ken Wu and James Chiu	Temperature :	21~23°C
		Relative Humidity :	60~63%

15C Band 4 5750~5850MHz

WIFI 802.11ac VHT10 (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.	
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11ac CH 147 5735MHz		5735	132.07	-	-	118.74	35.24	12.26	34.17	101	182	P	H
		5735	122.27	-	-	108.94	35.24	12.26	34.17	101	182	A	H
		11470	63.89	-10.11	74	66.22	38.18	17.38	57.89	155	337	P	H
		11470	51.13	-2.87	54	53.46	38.18	17.38	57.89	155	337	A	H
		5735	131.95	-	-	118.62	35.24	12.26	34.17	182	182	P	V
		5735	122.24	-	-	108.91	35.24	12.26	34.17	182	182	A	V
		11470	65.79	-8.21	74	68.12	38.18	17.38	57.89	340	360	P	V
		11470	52.87	-1.13	54	55.2	38.18	17.38	57.89	340	360	A	V
802.11ac CH 158 5790MHz		5792	130.96	-	-	117.51	35.28	12.4	34.23	110	182	P	H
		5792	120.89	-	-	107.44	35.28	12.4	34.23	110	182	A	H
		11585	63.35	-10.65	74	65.19	38.32	17.5	57.66	142	342	P	H
		11585	50.92	-3.08	54	52.76	38.32	17.5	57.66	142	342	A	H
		5790	131.75	-	-	118.3	35.28	12.4	34.23	182	182	P	V
		5790	122.1	-	-	108.65	35.28	12.4	34.23	182	182	A	V
		11585	66.44	-7.56	74	68.28	38.32	17.5	57.66	205	13	P	V
		11585	52.15	-1.85	54	53.99	38.32	17.5	57.66	205	12	A	V



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)	
802.11ac CH 168 5840MHz		5840	128.81	-	-	115.36	35.31	12.45	34.31	102	182	P	H	
		5840	119.06	-	-	105.61	35.31	12.45	34.31	102	182	A	H	
		11680	64.4	-9.6	74	65.91	38.44	17.57	57.52	146	338	P	H	
		11680	50.01	-3.99	54	51.52	38.44	17.57	57.52	146	338	A	H	
													H	
			5838	130.68	-	-	117.23	35.31	12.45	34.31	182	182	P	V
			5838	121.72	-	-	108.27	35.31	12.45	34.31	182	182	A	V
			11680	61.48	-12.52	74	62.99	38.44	17.57	57.52	343	354	P	V
			11680	48.42	-5.58	54	49.93	38.44	17.57	57.52	343	354	A	V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT20 (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.	
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11ac CH 148 5740MHz		5740	128.91	-	-	115.58	35.24	12.26	34.17	102	182	P	H
		5740	118.56	-	-	105.23	35.24	12.26	34.17	102	182	A	H
		11480	63.37	-10.63	74	65.7	38.18	17.38	57.89	156	340	P	H
		11480	49.35	-4.65	54	51.68	38.18	17.38	57.89	156	340	A	H
													H
	802.11ac CH 158 5790MHz		5790	127.52	-	-	114.07	35.28	12.4	34.23	102	182	P
		5790	117.7	-	-	104.25	35.28	12.4	34.23	102	182	A	H
		11580	62.43	-11.57	74	64.36	38.3	17.46	57.69	156	337	P	H
		11580	47.14	-6.86	54	49.07	38.3	17.46	57.69	156	337	A	H
													H



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)	
802.11ac CH 167 5835MHz		5835	125.84	-	-	112.4	35.3	12.45	34.31	102	182	P	H	
		5835	116.62	-	-	103.18	35.3	12.45	34.31	102	182	A	H	
		11675	61.09	-12.91	74	62.6	38.44	17.57	57.52	156	338	P	H	
		11675	46.26	-7.74	54	47.77	38.44	17.57	57.52	156	338	A	H	
													H	
			5835	128	-	-	114.56	35.3	12.45	34.31	182	182	P	V
			5835	118.66	-	-	105.22	35.3	12.45	34.31	182	182	A	V
			11670	60.95	-13.05	74	62.46	38.44	17.57	57.52	158	343	P	V
			11670	47.12	-6.88	54	48.63	38.44	17.57	57.52	158	343	A	V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT30 (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.		
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11ac CH 149 5745MHz		5745	126.03	-	-	112.63	35.24	12.33	34.17	102	182	P	H	
		5745	116.48	-	-	103.08	35.24	12.33	34.17	102	182	A	H	
		11490	59.35	-14.65	74	61.62	38.19	17.38	57.84	148	336	P	H	
		11490	46.29	-7.71	54	48.56	38.19	17.38	57.84	148	336	A	H	
													H	
802.11ac CH 158 5790MHz		5790	125.68	-	-	112.23	35.28	12.4	34.23	102	182	P	H	
		5790	116.73	-	-	103.28	35.28	12.4	34.23	102	182	A	H	
		11580	57.85	-16.15	74	59.78	38.3	17.46	57.69	156	337	P	H	
		11580	45.13	-8.87	54	47.06	38.3	17.46	57.69	156	337	A	H	
													H	



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)	
802.11ac CH 166 5830MHz		5830	123.95	-	-	110.47	35.3	12.45	34.27	102	182	P	H	
		5830	114.69	-	-	101.21	35.3	12.45	34.27	102	182	A	H	
		11660	57.79	-16.21	74	59.39	38.42	17.53	57.55	152	338	P	H	
		11660	44.29	-9.71	54	45.89	38.42	17.53	57.55	152	338	A	H	
													H	
			5830	126.11	-	-	112.63	35.3	12.45	34.27	182	182	P	V
			5830	116.81	-	-	103.33	35.3	12.45	34.27	182	182	A	V
			11660	58.66	-15.34	74	60.26	38.42	17.53	57.55	210	12	P	V
			11660	44.73	-9.27	54	46.33	38.42	17.53	57.55	210	12	A	V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT40 (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.		
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11ac CH 150 5750MHz		5750	125.54	-	-	112.14	35.24	12.33	34.17	138	180	P	H	
		5750	115.85	-	-	102.45	35.24	12.33	34.17	138	180	A	H	
		11500	59.15	-14.85	74	61.37	38.2	17.38	57.8	166	339	P	H	
		11500	45.09	-8.91	54	47.31	38.2	17.38	57.8	166	339	A	H	
													H	
			5750	126.11	-	-	112.71	35.24	12.33	34.17	178	182	P	V
			5750	116.08	-	-	102.68	35.24	12.33	34.17	178	182	A	V
			11505	58.71	-15.29	74	60.89	38.2	17.42	57.8	227	14	P	V
			11505	47.06	-6.94	54	49.24	38.2	17.42	57.8	227	14	A	V
														V
802.11ac CH 158 5790MHz		5790	125.42	-	-	111.97	35.28	12.4	34.23	138	182	P	H	
		5790	115.74	-	-	102.29	35.28	12.4	34.23	138	182	A	H	
		11580	56.32	-17.68	74	58.25	38.3	17.46	57.69	157	338	P	H	
		11580	43.54	-10.46	54	45.47	38.3	17.46	57.69	157	338	A	H	
													H	
			5790	125.73	-	-	112.28	35.28	12.4	34.23	178	182	P	V
			5790	115.93	-	-	102.48	35.28	12.4	34.23	178	182	A	V
			11580	58.07	-15.93	74	60	38.3	17.46	57.69	218	14	P	V
			11580	44.52	-9.48	54	46.45	38.3	17.46	57.69	218	14	A	V
														V



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)	
802.11ac CH 165 5825MHz		5825	123.04	-	-	109.56	35.3	12.45	34.27	138	182	P	H	
		5825	113.78	-	-	100.3	35.3	12.45	34.27	138	182	A	H	
		11655	56.09	-17.91	74	57.69	38.42	17.53	57.55	158	339	P	H	
		11655	42.72	-11.28	54	44.32	38.42	17.53	57.55	158	339	A	H	
													H	
			5825	125.18	-	-	111.7	35.3	12.45	34.27	182	182	P	V
			5825	115.93	-	-	102.45	35.3	12.45	34.27	182	182	A	V
			11655	58.43	-15.57	74	60.03	38.42	17.53	57.55	211	12	P	V
			11655	43.16	-10.84	54	44.76	38.42	17.53	57.55	211	12	A	V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





15C Band 4 5750~5850MHz

WIFI 802.11ac VHT50 (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.		
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11ac CH 151 5755MHz		5755	124.64	-	-	111.22	35.26	12.33	34.17	152	182	P	H	
		5755	114.94	-	-	101.52	35.26	12.33	34.17	152	182	A	H	
		11510	59.71	-14.29	74	61.89	38.2	17.42	57.8	164	335	P	H	
		11510	44.51	-9.49	54	46.69	38.2	17.42	57.8	164	335	A	H	
													H	
			5755	124.67	-	-	111.25	35.26	12.33	34.17	182	182	P	V
			5755	115.43	-	-	102.01	35.26	12.33	34.17	182	182	A	V
			11510	58.24	-15.76	74	60.42	38.2	17.42	57.8	237	13	P	V
			11510	45.89	-8.11	54	48.07	38.2	17.42	57.8	237	13	A	V
														V
802.11ac CH 158 5790MHz		5790	122.45	-	-	109	35.28	12.4	34.23	151	182	P	H	
		5790	113.43	-	-	99.98	35.28	12.4	34.23	151	182	A	H	
		11580	56.2	-17.8	74	58.13	38.3	17.46	57.69	158	339	P	H	
		11580	42.78	-11.22	54	44.71	38.3	17.46	57.69	158	339	A	H	
													H	
			5790	124.24	-	-	110.79	35.28	12.4	34.23	177	182	P	V
			5790	114.67	-	-	101.22	35.28	12.4	34.23	177	182	A	V
			11585	56.15	-17.85	74	57.99	38.32	17.5	57.66	239	12	P	V
			11585	43.84	-10.16	54	45.68	38.32	17.5	57.66	239	12	A	V
														V



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)	
802.11ac CH 164 5820MHz		5820	121.59	-	-	108.16	35.3	12.4	34.27	121	182	P	H	
		5820	112.3	-	-	98.87	35.3	12.4	34.27	121	182	A	H	
		11640	55.6	-18.4	74	57.26	38.39	17.53	57.58	160	339	P	H	
		11640	41.81	-12.19	54	43.47	38.39	17.53	57.58	160	339	A	H	
													H	
			5820	124.13	-	-	110.7	35.3	12.4	34.27	177	182	P	V
			5820	114.77	-	-	101.34	35.3	12.4	34.27	177	182	A	V
			11645	55.73	-18.27	74	57.39	38.39	17.53	57.58	204	12	P	V
			11645	42.43	-11.57	54	44.09	38.39	17.53	57.58	204	12	A	V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT60 (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.		
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11ac CH 152 5760MHz		5760	123.56	-	-	110.17	35.26	12.33	34.2	148	182	P	H	
		5760	114.18	-	-	100.79	35.26	12.33	34.2	148	182	A	H	
		11520	55.95	-18.05	74	58.08	38.22	17.42	57.77	159	338	P	H	
		11520	40.17	-13.83	54	42.3	38.22	17.42	57.77	159	338	A	H	
														H
			5762	123.67	-	-	110.28	35.26	12.33	34.2	174	184	P	V
			5762	114.21	-	-	100.82	35.26	12.33	34.2	174	184	A	V
			11520	57.76	-16.24	74	59.89	38.22	17.42	57.77	233	12	P	V
			11520	44.93	-9.07	54	47.06	38.22	17.42	57.77	233	12	A	V
														V
802.11ac CH 158 5790MHz		5790	121.88	-	-	108.43	35.28	12.4	34.23	102	184	P	H	
		5790	112.5	-	-	99.05	35.28	12.4	34.23	102	184	A	H	
		11585	55.65	-18.35	74	57.49	38.32	17.5	57.66	161	339	P	H	
		11585	41.81	-12.19	54	43.65	38.32	17.5	57.66	161	339	A	H	
														H
			5790	123.93	-	-	110.48	35.28	12.4	34.23	174	184	P	V
			5790	113.95	-	-	100.5	35.28	12.4	34.23	174	184	A	V
			11580	55.79	-18.21	74	57.72	38.3	17.46	57.69	235	10	P	V
			11580	42.76	-11.24	54	44.69	38.3	17.46	57.69	235	10	A	V
														V



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)	
802.11ac CH 163 5815MHz		5815	121.89	-	-	108.47	35.29	12.4	34.27	141	183	P	H	
		5815	112.29	-	-	98.87	35.29	12.4	34.27	141	183	A	H	
		11630	54.44	-19.56	74	56.15	38.37	17.53	57.61	162	339	P	H	
		11630	41.02	-12.98	54	42.73	38.37	17.53	57.61	162	339	A	H	
													H	
			5815	123.3	-	-	109.88	35.29	12.4	34.27	171	183	P	V
			5815	113.52	-	-	100.1	35.29	12.4	34.27	171	183	A	V
			11635	54.77	-19.23	74	56.43	38.39	17.53	57.58	206	12	P	V
			11635	41.67	-12.33	54	43.33	38.39	17.53	57.58	206	12	A	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT80 (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.		
1+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11ac CH 154 5770MHz		5770	123.29	-	-	109.89	35.27	12.33	34.2	151	183	P	H	
		5770	113.57	-	-	100.17	35.27	12.33	34.2	151	183	A	H	
		11540	53.53	-20.47	74	55.6	38.25	17.42	57.74	166	337	P	H	
		11540	40.08	-13.92	54	42.15	38.25	17.42	57.74	166	337	A	H	
													H	
			5770	122.42	-	-	109.02	35.27	12.33	34.2	171	183	P	V
			5770	112.52	-	-	99.12	35.27	12.33	34.2	171	183	A	V
			11540	56.7	-17.3	74	58.77	38.25	17.42	57.74	238	13	P	V
			11540	42.08	-11.92	54	44.15	38.25	17.42	57.74	238	13	A	V
														V
4802.11ac CH 158 5790MHz		5790	121.69	-	-	108.24	35.28	12.4	34.23	143	183	P	H	
		5790	111.48	-	-	98.03	35.28	12.4	34.23	143	183	A	H	
		11580	53.31	-20.69	74	55.24	38.3	17.46	57.69	158	338	P	H	
		11580	40.3	-13.7	54	42.23	38.3	17.46	57.69	158	338	A	H	
													H	
			5790	122.54	-	-	109.09	35.28	12.4	34.23	182	183	P	V
			5790	112.25	-	-	98.8	35.28	12.4	34.23	182	183	A	V
			11580	55.61	-18.39	74	57.54	38.3	17.46	57.69	237	11	P	V
			11580	40.86	-13.14	54	42.79	38.3	17.46	57.69	237	11	A	V
														V



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)	
802.11ac CH 162 5810MHz		5810	120.25	-	-	106.83	35.29	12.4	34.27	107	183	P	H	
		5810	110.67	-	-	97.25	35.29	12.4	34.27	107	183	A	H	
		11620	52.69	-21.31	74	54.43	38.37	17.5	57.61	159	340	P	H	
		11620	39.77	-14.23	54	41.51	38.37	17.5	57.61	159	340	A	H	
													H	
			5810	122.43	-	-	109.01	35.29	12.4	34.27	182	183	P	V
			5810	112.47	-	-	99.05	35.29	12.4	34.27	182	183	A	V
			11620	54.27	-19.73	74	56.01	38.37	17.5	57.61	236	12	P	V
			11620	40.29	-13.71	54	42.03	38.37	17.5	57.61	236	12	A	V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15C Emission below 1GHz

5GHz WIFI 802.11ac VHT20 (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)	
5GHz 802.11ac VHT20 LF		113.97	40.01	-3.49	43.5	57.72	11.07	2.38	31.16	170	150	P	H	
		149.88	30.6	-12.9	43.5	48.29	10.8	2.61	31.1			P	H	
		240.06	34.81	-11.19	46	51.45	11.4	2.96	31			P	H	
		331.5	41.63	-4.37	46	55.5	13.85	3.28	31			P	H	
		363.7	40.86	-5.14	46	53.79	14.77	3.39	31.09			P	H	
		800.5	35.44	-10.56	46	39.12	22	4.62	30.3			P	H	
			70.77	31.97	-8.03	40	54.71	6.48	2.06	31.28			P	V
			113.43	40.2	-3.3	43.5	57.96	11.02	2.38	31.16	125	222	P	V
		275.16	30.82	-15.18	46	45.76	12.85	3.16	30.95			P	V	
		330.1	37.54	-8.46	46	51.46	13.8	3.28	31			P	V	
		400.1	27.89	-18.11	46	39.34	15.93	3.52	30.9			P	V	
		875.4	32.53	-13.47	46	35.28	22.94	4.66	30.35			P	V	
<b>Remark</b>	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>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+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”.**