



Appendix B. Radiated Spurious Emission

Test Engineer :	Luke Chang, Ricky Su, and Nick Yu	Temperature :	20~24°C
		Relative Humidity :	50~54%

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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2384.43	55.76	-18.24	74	55.35	27.01	7.38	33.98	128	133	P	H
		2390	43.53	-10.47	54	43.1	27.05	7.38	34	128	133	A	H
	*	2412	106.66	-	-	106.14	27.09	7.44	34.01	128	133	P	H
	*	2412	102.21	-	-	101.69	27.09	7.44	34.01	128	133	A	H
													H
													H
		2354.28	55.89	-18.11	74	55.57	26.97	7.31	33.96	100	337	P	V
		2382	43.37	-10.63	54	42.96	27.01	7.38	33.98	100	337	A	V
	*	2412	100	-	-	99.48	27.09	7.44	34.01	100	337	P	V
	*	2412	95.59	-	-	95.07	27.09	7.44	34.01	100	337	A	V
													V
													V
802.11b CH 06 2437MHz		2347.89	56.92	-17.08	74	56.62	26.93	7.31	33.94	142	132	P	H
		2390	43.45	-10.55	54	43.02	27.05	7.38	34	142	132	A	H
	*	2437	108.35	-	-	107.78	27.18	7.44	34.05	142	132	P	H
	*	2437	103.83	-	-	103.26	27.18	7.44	34.05	142	132	A	H
		2484.28	56.58	-17.42	74	55.9	27.26	7.5	34.08	142	132	P	H
		2483.6	44.37	-9.63	54	43.69	27.26	7.5	34.08	142	132	A	H
		2383.26	55.85	-18.15	74	55.44	27.01	7.38	33.98	100	326	P	V
		2381.01	43.33	-10.67	54	42.92	27.01	7.38	33.98	100	326	A	V
	*	2437	102.59	-	-	102.02	27.18	7.44	34.05	100	326	P	V
	*	2437	98.2	-	-	97.63	27.18	7.44	34.05	100	326	A	V
		2497.48	56.67	-17.33	74	55.91	27.3	7.56	34.1	100	326	P	V
		2483.52	43.75	-10.25	54	43.07	27.26	7.5	34.08	100	326	A	V



802.11b CH 11 2462MHz	*	2462	107.36	-	-	106.71	27.22	7.5	34.07	136	128	P	H
	*	2462	102.71	-	-	102.06	27.22	7.5	34.07	136	128	A	H
		2483.64	56.91	-17.09	74	56.23	27.26	7.5	34.08	136	128	P	H
		2483.52	46.86	-7.14	54	46.18	27.26	7.5	34.08	136	128	A	H
													H
													H
	*	2462	100.61	-	-	99.96	27.22	7.5	34.07	369	358	P	V
	*	2462	95.96	-	-	95.31	27.22	7.5	34.07	369	358	A	V
		2497	56.42	-17.58	74	55.66	27.3	7.56	34.1	369	358	P	V
		2483.52	44.02	-9.98	54	43.34	27.26	7.5	34.08	369	358	A	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 802.11b (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	45.54	-28.46	74	59.12	31.26	10.65	55.49	100	0	P	H
													H
													H
													H
		4824	44.73	-29.27	74	58.31	31.26	10.65	55.49	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	44.75	-29.25	74	58.26	31.33	10.68	55.52	100	0	P	H
		7311	49.34	-24.66	74	56.04	36.07	13.28	56.05	100	0	P	H
													H
													H
		4874	44.53	-29.47	74	58.04	31.33	10.68	55.52	100	0	P	V
		7311	50	-24	74	56.7	36.07	13.28	56.05	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	46.61	-27.39	74	60.07	31.4	10.7	55.56	100	0	P	H
		7386	50.12	-23.88	74	56.49	36.31	13.32	56	100	0	P	H
													H
													H
		4924	46.01	-27.99	74	59.47	31.4	10.7	55.56	100	0	P	V
		7386	50.9	-23.1	74	57.27	36.31	13.32	56	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		2389.47	61.84	-12.16	74	61.41	27.05	7.38	34	135	124	P	H
		2390	45.82	-8.18	54	45.39	27.05	7.38	34	135	124	A	H
	*	2410	105.59	-	-	105.07	27.09	7.44	34.01	135	124	P	H
	*	2410	93.35	-	-	92.83	27.09	7.44	34.01	135	124	A	H
													H
													H
		2388.93	59.48	-14.52	74	59.05	27.05	7.38	34	381	78	P	V
		2389.83	44.59	-9.41	54	44.16	27.05	7.38	34	381	78	A	V
	*	2411	100.62	-	-	100.1	27.09	7.44	34.01	381	78	P	V
	*	2411	88.4	-	-	87.88	27.09	7.44	34.01	381	78	A	V
													V
													V
802.11g CH 06 2437MHz		2389.83	57.58	-16.42	74	57.15	27.05	7.38	34	140	122	P	H
		2389.92	44.38	-9.62	54	43.95	27.05	7.38	34	140	122	A	H
	*	2436	106.57	-	-	106.03	27.13	7.44	34.03	140	122	P	H
	*	2436	94.24	-	-	93.7	27.13	7.44	34.03	140	122	A	H
		2483.52	63.64	-10.36	74	62.96	27.26	7.5	34.08	140	122	P	H
		2483.56	45.93	-8.07	54	45.25	27.26	7.5	34.08	140	122	A	H
		2347.35	55.89	-18.11	74	55.59	26.93	7.31	33.94	371	93	P	V
		2321.7	43.97	-10.03	54	43.77	26.89	7.24	33.93	371	93	A	V
	*	2435	101.4	-	-	100.86	27.13	7.44	34.03	371	93	P	V
	*	2435	88.94	-	-	88.4	27.13	7.44	34.03	371	93	A	V
		2485.76	58.62	-15.38	74	57.94	27.26	7.5	34.08	371	93	P	V
		2484.12	44.3	-9.7	54	43.62	27.26	7.5	34.08	371	93	A	V



802.11g CH 11 2462MHz	*	2463	105.64	-	-	104.99	27.22	7.5	34.07	137	127	P	H
	*	2463	93.14	-	-	92.49	27.22	7.5	34.07	137	127	A	H
		2484.2	65.79	-8.21	74	65.11	27.26	7.5	34.08	137	127	P	H
		2483.52	51.07	-2.93	54	50.39	27.26	7.5	34.08	137	127	A	H
													H
													H
	*	2464	99.51	-	-	98.86	27.22	7.5	34.07	358	93	P	V
	*	2464	87	-	-	86.35	27.22	7.5	34.07	358	93	A	V
		2483.52	60.14	-13.86	74	59.46	27.26	7.5	34.08	358	93	P	V
		2483.52	46.55	-7.45	54	45.87	27.26	7.5	34.08	358	93	A	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 (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	45.04	-28.96	74	58.62	31.26	10.65	55.49	100	0	P	H
													H
													H
													H
		4824	46.84	-27.16	74	60.42	31.26	10.65	55.49	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	46.07	-27.93	74	59.58	31.33	10.68	55.52	100	0	P	H
		7311	50.31	-23.69	74	57.01	36.07	13.28	56.05	100	0	P	H
													H
													H
		4874	45.77	-28.23	74	59.28	31.33	10.68	55.52	100	0	P	V
		7311	49.62	-24.38	74	56.32	36.07	13.28	56.05	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	46.24	-27.76	74	59.7	31.4	10.7	55.56	100	0	P	H
		7386	50.66	-23.34	74	57.03	36.31	13.32	56	100	0	P	H
													H
													H
		4924	46.65	-27.35	74	60.11	31.4	10.7	55.56	100	0	P	V
		7386	50.49	-23.51	74	56.86	36.31	13.32	56	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)
802.11n HT20 CH 01 2412MHz		2362.29	55.14	-18.86	74	54.82	26.97	7.31	33.96	100	118	P	H
		2389.74	44.18	-9.82	54	43.75	27.05	7.38	34	100	118	A	H
	*	2412	102.81	-	-	102.29	27.09	7.44	34.01	100	118	P	H
	*	2412	91.36	-	-	90.84	27.09	7.44	34.01	100	118	A	H
													H
													H
		2384.43	55.6	-18.4	74	55.19	27.01	7.38	33.98	382	349	P	V
		2389.65	44.18	-9.82	54	43.75	27.05	7.38	34	382	349	A	V
	*	2412	97.2	-	-	96.68	27.09	7.44	34.01	382	349	P	V
	*	2412	85.87	-	-	85.35	27.09	7.44	34.01	382	349	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2381.28	55.45	-18.55	74	55.04	27.01	7.38	33.98	140	121	P	H
		2383.5	44.09	-9.91	54	43.68	27.01	7.38	33.98	140	121	A	H
	*	2437	103.15	-	-	102.58	27.18	7.44	34.05	140	121	P	H
	*	2437	91.61	-	-	91.04	27.18	7.44	34.05	140	121	A	H
		2484.16	56.09	-17.91	74	55.41	27.26	7.5	34.08	140	121	P	H
		2484.32	44.61	-9.39	54	43.93	27.26	7.5	34.08	140	121	A	H
		2363.19	55.86	-18.14	74	55.54	26.97	7.31	33.96	373	353	P	V
		2387.4	44.06	-9.94	54	43.63	27.05	7.38	34	373	353	A	V
	*	2437	98.28	-	-	97.71	27.18	7.44	34.05	373	353	P	V
	*	2437	86.42	-	-	85.85	27.18	7.44	34.05	373	353	A	V
		2493.24	55.12	-18.88	74	54.36	27.3	7.56	34.1	373	353	P	V
		2487.52	44.13	-9.87	54	43.43	27.3	7.5	34.1	373	353	A	V



802.11n HT20 CH 11 2462MHz	*	2462	102.88	-	-	102.23	27.22	7.5	34.07	136	127	P	H
	*	2462	91.21	-	-	90.56	27.22	7.5	34.07	136	127	A	H
		2483.64	63.35	-10.65	74	62.67	27.26	7.5	34.08	136	127	P	H
		2483.56	48.5	-5.5	54	47.82	27.26	7.5	34.08	136	127	A	H
													H
													H
	*	2462	97.68	-	-	97.03	27.22	7.5	34.07	100	338	P	V
	*	2462	86.14	-	-	85.49	27.22	7.5	34.07	100	338	A	V
		2483.68	58.26	-15.74	74	57.58	27.26	7.5	34.08	100	338	P	V
		2483.6	46.11	-7.89	54	45.43	27.26	7.5	34.08	100	338	A	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 (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 01 2412MHz		4824	45.58	-28.42	74	59.16	31.26	10.65	55.49	100	0	P	H
													H
													H
													H
		4824	45.67	-28.33	74	59.25	31.26	10.65	55.49	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	46.77	-27.23	74	60.28	31.33	10.68	55.52	100	0	P	H
		7311	50.92	-23.08	74	57.62	36.07	13.28	56.05	100	0	P	H
													H
													H
		4874	46.19	-27.81	74	59.7	31.33	10.68	55.52	100	0	P	V
		7311	50.74	-23.26	74	57.44	36.07	13.28	56.05	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	46.69	-27.31	74	60.15	31.4	10.7	55.56	100	0	P	H
		7386	50.49	-23.51	74	56.86	36.31	13.32	56	100	0	P	H
													H
													H
		4924	46.09	-27.91	74	59.55	31.4	10.7	55.56	100	0	P	V
		7311	50.8	-23.2	74	57.5	36.07	13.28	56.05	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		2389.92	65.42	-8.58	74	64.99	27.05	7.38	34	142	130	P	H
		2390	50.13	-3.87	54	49.7	27.05	7.38	34	142	130	A	H
	*	2422	104.4	-	-	103.86	27.13	7.44	34.03	142	130	P	H
	*	2422	93.99	-	-	93.45	27.13	7.44	34.03	142	130	A	H
		2483.84	67.43	-6.57	74	66.75	27.26	7.5	34.08	142	130	P	H
		2484.08	49.83	-4.17	54	49.15	27.26	7.5	34.08	142	130	A	H
		2389.83	60.81	-13.19	74	60.38	27.05	7.38	34	100	319	P	V
		2390	47.45	-6.55	54	47.02	27.05	7.38	34	100	319	A	V
	*	2422	98.16	-	-	97.62	27.13	7.44	34.03	100	319	P	V
	*	2422	87.79	-	-	87.25	27.13	7.44	34.03	100	319	A	V
		2483.96	59.77	-14.23	74	59.09	27.26	7.5	34.08	100	319	P	V
		2483.8	46.22	-7.78	54	45.54	27.26	7.5	34.08	100	319	A	V
802.11n HT40 CH 06 2437MHz		2354.46	55.75	-18.25	74	55.43	26.97	7.31	33.96	142	128	P	H
		2390	45.52	-8.48	54	45.09	27.05	7.38	34	142	128	A	H
	*	2437	102.44	-	-	101.87	27.18	7.44	34.05	142	128	P	H
	*	2437	91.64	-	-	91.07	27.18	7.44	34.05	142	128	A	H
		2483.52	63.75	-10.25	74	63.07	27.26	7.5	34.08	142	128	P	H
		2483.72	50.83	-3.17	54	50.15	27.26	7.5	34.08	142	128	A	H
		2337.18	55.09	-18.91	74	54.79	26.93	7.31	33.94	100	54	P	V
		2388.66	44.94	-9.06	54	44.51	27.05	7.38	34	100	54	A	V
	*	2437	95.31	-	-	94.74	27.18	7.44	34.05	100	54	P	V
	*	2437	84.31	-	-	83.74	27.18	7.44	34.05	100	54	A	V
		2483.84	57.93	-16.07	74	57.25	27.26	7.5	34.08	100	54	P	V
		2484	46.69	-7.31	54	46.01	27.26	7.5	34.08	100	54	A	V



802.11n HT40 CH 09 2452MHz		2380.11	55.98	-18.02	74	55.57	27.01	7.38	33.98	135	132	P	H
		2385.96	45.16	-8.84	54	44.73	27.05	7.38	34	135	132	A	H
	*	2454	101.99	-	-	101.34	27.22	7.5	34.07	135	132	P	H
	*	2454	91.81	-	-	91.16	27.22	7.5	34.07	135	132	A	H
		2483.92	67.63	-6.37	74	66.95	27.26	7.5	34.08	135	132	P	H
		2483.64	53.19	-0.81	54	52.51	27.26	7.5	34.08	135	132	A	H
		2363.82	56.16	-17.84	74	55.84	26.97	7.31	33.96	118	307	P	V
		2389.83	44.82	-9.18	54	44.39	27.05	7.38	34	118	307	A	V
	*	2454	93.07	-	-	92.42	27.22	7.5	34.07	118	307	P	V
	*	2454	82.79	-	-	82.14	27.22	7.5	34.07	118	307	A	V
		2484.88	59.52	-14.48	74	58.84	27.26	7.5	34.08	118	307	P	V
		2483.56	46.28	-7.72	54	45.6	27.26	7.5	34.08	118	307	A	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 (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		4844	45.83	-28.17	74	59.4	31.28	10.65	55.5	100	0	P	H
		7266	50.11	-23.89	74	56.95	35.97	13.27	56.08	100	0	P	H
													H
													H
		4844	45.47	-28.53	74	59.04	31.28	10.65	55.5	100	0	P	V
		7266	50.26	-23.74	74	57.1	35.97	13.27	56.08	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	45.79	-28.21	74	59.3	31.33	10.68	55.52	100	0	P	H
		7311	50.66	-23.34	74	57.36	36.07	13.28	56.05	100	0	P	H
													H
													H
		4874	46.87	-27.13	74	60.38	31.33	10.68	55.52	100	0	P	V
		7311	50.29	-23.71	74	56.99	36.07	13.28	56.05	390	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	46.44	-27.56	74	59.91	31.38	10.7	55.55	100	0	P	H
		7356	50.84	-23.16	74	57.34	36.21	13.3	56.01	100	0	P	H
													H
													H
		4904	45.86	-28.14	74	59.33	31.38	10.7	55.55	100	0	P	V
		7356	50.64	-23.36	74	57.14	36.21	13.3	56.01	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 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT40 LF		89.94	34.9	-8.6	43.5	55.02	8.91	1.39	30.42			P	H
		104.79	33.56	-9.94	43.5	51.67	10.65	1.64	30.4			P	H
		184.17	35.05	-8.45	43.5	54.3	8.98	2.09	30.32	100	59	P	H
		301.4	24.76	-21.24	46	39.17	13.18	2.56	30.15			P	H
		450.5	25.16	-20.84	46	34.89	17.07	3.12	29.92			P	H
		958	28.71	-17.29	46	28.24	24.96	4.58	29.07			P	H
													H
													H
													H
													H
													H
													H
		80.49	35.27	-4.73	40	56.82	7.49	1.39	30.43	101	139	P	V
		122.34	36.39	-7.11	43.5	53.59	11.55	1.64	30.39			P	V
		231.69	34.19	-11.81	46	51.82	10.41	2.21	30.25			P	V
		303.5	33.17	-12.83	46	47.55	13.21	2.56	30.15			P	V
		520.5	35.68	-10.32	46	44.09	18.06	3.31	29.78			P	V
		748	30.62	-15.38	46	34	22.03	4.05	29.46			P	V
													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		(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”.