



Appendix B Radiated Spurious Emission

Test Engineer :	Derreck Chen, Nick Yu and Ken Wu	Temperature :	23~25°C
		Relative Humidity :	46~49%

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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2387.31	62.42	-11.58	74	56.76	32.18	7.75	34.27	134	29	P	H
		2375.61	47.96	-6.04	54	42.39	32.16	7.68	34.27	134	29	A	H
	*	2412	112.03	-	-	106.38	32.2	7.75	34.3	134	29	P	H
	*	2412	107.08	-	-	101.43	32.2	7.75	34.3	134	29	A	H
													H
													H
		2389.65	59.06	-14.94	74	53.4	32.18	7.75	34.27	100	107	P	V
		2386.41	45.47	-8.53	54	39.81	32.18	7.75	34.27	100	107	A	V
	*	2413.36	105.2	-	-	99.55	32.2	7.75	34.3	100	107	P	V
	*	2412	100.31	-	-	94.66	32.2	7.75	34.3	100	107	A	V
													V
													V
802.11b CH 06 2437MHz		2386.68	62.83	-11.17	74	57.17	32.18	7.75	34.27	304	59	P	H
		2390	47.46	-6.54	54	41.83	32.18	7.75	34.3	304	59	A	H
	*	2435.655	115.06	-	-	109.36	32.22	7.83	34.35	304	59	P	H
	*	2436.239	110.08	-	-	104.38	32.22	7.83	34.35	304	59	A	H
		2485.8	62.12	-11.88	74	56.36	32.28	7.91	34.43	304	59	P	H
		2483.52	46.5	-7.5	54	40.74	32.28	7.91	34.43	304	59	A	H
		2332.05	59.25	-14.75	74	53.78	32.09	7.6	34.22	100	125	P	V
		2387.76	45.31	-8.69	54	39.65	32.18	7.75	34.27	100	125	A	V
	*	2438.41	108.94	-	-	103.22	32.24	7.83	34.35	100	125	P	V
	*	2437.658	104.29	-	-	98.57	32.24	7.83	34.35	100	125	A	V
		2484.8	59.33	-14.67	74	53.57	32.28	7.91	34.43	100	125	P	V
		2488.28	45.08	-8.92	54	39.3	32.3	7.91	34.43	100	125	A	V



802.11b CH 11 2462MHz	*	2460.621	114.12	-	-	108.34	32.26	7.91	34.39	298	41	P	H
	*	2461.206	109.14	-	-	103.36	32.26	7.91	34.39	298	41	A	H
		2487	62.89	-11.11	74	57.13	32.28	7.91	34.43	298	41	P	H
		2483.52	50.69	-3.31	54	44.93	32.28	7.91	34.43	298	41	A	H
													H
													H
	*	2460.705	106.83	-	-	101.05	32.26	7.91	34.39	100	112	P	V
	*	2461.289	101.87	-	-	96.09	32.26	7.91	34.39	100	112	A	V
		2483.68	60.16	-13.84	74	54.4	32.28	7.91	34.43	100	112	P	V
		2483.52	46.15	-7.85	54	40.39	32.28	7.91	34.43	100	112	A	V
													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 802.11b (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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		4824	50.11	-23.89	74	63.62	34.26	11.16	58.93	100	0	P	H
													H
													H
													H
		4824	46.38	-27.62	74	59.89	34.26	11.16	58.93	100	0	P	V
												P	V
													V
													V
802.11b CH 06 2437MHz		4875	51.85	-22.15	74	65.17	34.3	11.21	58.83	100	0	P	H
		7311	51.58	-22.42	74	58.63	35.6	15.08	57.73	100	0	P	H
													H
													H
		4875	47.23	-26.77	74	60.55	34.3	11.21	58.83	100	0	P	V
		7308	48.41	-25.59	74	55.46	35.6	15.08	57.73	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4926	53.8	-20.2	74	66.92	34.34	11.27	58.73	100	0	P	H
		7386	51.74	-22.26	74	58.8	35.6	15.14	57.8	100	0	P	H
													H
													H
		4926	47.81	-26.19	74	60.93	34.34	11.27	58.73	100	0	P	V
		7386	47.53	-26.47	74	54.59	35.6	15.14	57.8	100	0	P	V
													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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 01 2412MHz		2388.75	71.09	-2.91	74	65.43	32.18	7.75	34.27	102	27	P	H
		2390	51.31	-2.69	54	45.68	32.18	7.75	34.3	102	27	A	H
	*	2412	112.56	-	-	106.91	32.2	7.75	34.3	102	27	P	H
	*	2412	95.17	-	-	89.52	32.2	7.75	34.3	102	27	A	H
													H
													H
		2388.12	65.24	-8.76	74	59.58	32.18	7.75	34.27	100	107	P	V
		2390	46.98	-7.02	54	41.35	32.18	7.75	34.3	100	107	A	V
	*	2412	105.2	-	-	99.55	32.2	7.75	34.3	100	107	P	V
	*	2412	89.02	-	-	83.37	32.2	7.75	34.3	100	107	A	V
													V
													V
802.11g CH 06 2437MHz		2388.3	63.35	-10.65	74	57.69	32.18	7.75	34.27	100	31	P	H
		2390	47.56	-6.44	54	41.93	32.18	7.75	34.3	100	31	A	H
	*	2437	112.1	-	-	106.38	32.24	7.83	34.35	100	31	P	H
	*	2437	95.61	-	-	89.89	32.24	7.83	34.35	100	31	A	H
		2483.68	62.18	-11.82	74	56.42	32.28	7.91	34.43	100	31	P	H
		2484.44	46.89	-7.11	54	41.13	32.28	7.91	34.43	100	31	A	H
		2359.86	59.44	-14.56	74	53.88	32.13	7.68	34.25	100	108	P	V
		2356.8	45.37	-8.63	54	39.81	32.13	7.68	34.25	100	108	A	V
	*	2437	108.07	-	-	102.35	32.24	7.83	34.35	100	108	P	V
	*	2437	91.76	-	-	86.04	32.24	7.83	34.35	100	108	A	V
		2493.68	59.97	-14.03	74	54.24	32.3	7.91	34.48	100	108	P	V
		2483.8	45.12	-8.88	54	39.36	32.28	7.91	34.43	100	108	A	V



802.11g CH 11 2462MHz	*	2462	111.05	-	-	105.27	32.26	7.91	34.39	138	31	P	H
	*	2462	94.56	-	-	88.78	32.26	7.91	34.39	138	31	A	H
		2484.64	72.97	-1.03	74	67.21	32.28	7.91	34.43	138	31	P	H
		2483.52	48.78	-5.22	54	43.02	32.28	7.91	34.43	138	31	A	H
													H
													H
	*	2462	106.96	-	-	101.18	32.26	7.91	34.39	100	26	P	V
	*	2462	90.65	-	-	84.87	32.26	7.91	34.39	100	26	A	V
		2487.68	70.08	-3.92	74	64.3	32.3	7.91	34.43	100	26	P	V
		2483.52	47.3	-6.7	54	41.54	32.28	7.91	34.43	100	26	A	V
													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 (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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11g CH 01 2412MHz		4824	48.55	-25.45	74	62.06	34.26	11.16	58.93	100	0	P	H
													H
													H
													H
		4824	42.19	-31.81	74	55.7	34.26	11.16	58.93	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4875	48.62	-25.38	74	61.94	34.3	11.21	58.83	100	0	P	H
		7311	52.86	-21.14	74	59.91	35.6	15.08	57.73	100	0	P	H
													H
													H
		4875	45.07	-28.93	74	58.39	34.3	11.21	58.83	100	0	P	V
		7311	46.76	-27.24	74	53.81	35.6	15.08	57.73	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4923	46.08	-27.92	74	59.2	34.34	11.27	58.73	100	0	P	H
		7386	48.94	-25.06	74	56	35.6	15.14	57.8	100	0	P	H
													H
													H
		4923	42.52	-31.48	74	55.64	34.34	11.27	58.73	100	0	P	V
		7386	43.85	-30.15	74	50.91	35.6	15.14	57.8	100	0	P	V
													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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		2388.93	70.31	-3.69	74	64.65	32.18	7.75	34.27	310	38	P	H
		2389.92	50.93	-3.07	54	45.3	32.18	7.75	34.3	310	38	A	H
	*	2411.022	109.4	-	-	103.75	32.2	7.75	34.3	310	38	P	H
	*	2410.604	98.51	-	-	92.86	32.2	7.75	34.3	310	38	A	H
													H
													H
		2389.56	68.41	-5.59	74	62.75	32.18	7.75	34.27	100	24	P	V
		2390	48.54	-5.46	54	42.91	32.18	7.75	34.3	100	24	A	V
	*	2414.028	106.31	-	-	100.66	32.2	7.75	34.3	100	24	P	V
	*	2412.859	96.05	-	-	90.4	32.2	7.75	34.3	100	24	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.11	61.09	-12.91	74	55.43	32.18	7.75	34.27	141	29	P	H
		2382.09	48.31	-5.69	54	42.67	32.16	7.75	34.27	141	29	A	H
	*	2437	111.89	-	-	106.17	32.24	7.83	34.35	141	29	P	H
	*	2437	101.49	-	-	95.77	32.24	7.83	34.35	141	29	A	H
		2489.08	60.43	-13.57	74	54.65	32.3	7.91	34.43	141	29	P	H
		2485.44	47.09	-6.91	54	41.33	32.28	7.91	34.43	141	29	A	H
		2370.93	59.47	-14.53	74	53.9	32.16	7.68	34.27	125	124	P	V
		2375.34	46.15	-7.85	54	40.58	32.16	7.68	34.27	125	124	A	V
	*	2437	106.33	-	-	100.61	32.24	7.83	34.35	125	124	P	V
	*	2437	95.89	-	-	90.17	32.24	7.83	34.35	125	124	A	V
		2488.32	59.01	-14.99	74	53.23	32.3	7.91	34.43	125	124	P	V
		2483.72	46.02	-7.98	54	40.26	32.28	7.91	34.43	125	124	A	V



802.11n HT20 CH 11 2462MHz	*	2460.788	109.5	-	-	103.72	32.26	7.91	34.39	100	30	P	H
	*	2460.705	99.34	-	-	93.56	32.26	7.91	34.39	100	30	A	H
		2484.72	73.37	-0.63	74	67.61	32.28	7.91	34.43	100	30	P	H
		2484.2	50.91	-3.09	54	45.15	32.28	7.91	34.43	100	30	A	H
													H
													H
	*	2463.627	106.79	-	-	101.01	32.26	7.91	34.39	100	29	P	V
	*	2460.705	96.04	-	-	90.26	32.26	7.91	34.39	100	29	A	V
		2486.08	71.52	-2.48	74	65.76	32.28	7.91	34.43	100	29	P	V
		2483.68	49.55	-4.45	54	43.79	32.28	7.91	34.43	100	29	A	V
													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 (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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		4824	46.35	-27.65	74	59.86	34.26	11.16	58.93	100	0	P	H
													H
													H
													H
		4824	42.28	-31.72	74	55.79	34.26	11.16	58.93	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4875	48.8	-25.2	74	62.12	34.3	11.21	58.83	100	0	P	H
		7311	53.96	-20.04	74	61.01	35.6	15.08	57.73	100	0	P	H
													H
													H
		4875	43.05	-30.95	74	56.37	34.3	11.21	58.83	100	0	P	V
		7311	47.68	-26.32	74	54.73	35.6	15.08	57.73	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4923	46.45	-27.55	74	59.57	34.34	11.27	58.73	100	0	P	H
		7386	48.46	-25.54	74	55.52	35.6	15.14	57.8	100	0	P	H
													H
													H
		4923	42.62	-31.38	74	55.74	34.34	11.27	58.73	100	0	P	V
		7386	44.61	-29.39	74	51.67	35.6	15.14	57.8	100	0	P	V
													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 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		2387.85	70.22	-3.78	74	64.56	32.18	7.75	34.27	114	38	P	H
		2389.47	50.82	-3.18	54	45.16	32.18	7.75	34.27	114	38	A	H
	*	2419.873	103.53	-	-	97.91	32.22	7.75	34.35	114	38	P	H
	*	2420.124	93.67	-	-	87.97	32.22	7.83	34.35	114	38	A	H
		2492.4	61.13	-12.87	74	55.4	32.3	7.91	34.48	114	38	P	H
		2488.88	46.71	-7.29	54	40.93	32.3	7.91	34.43	114	38	A	H
		2389.02	67.6	-6.4	74	61.94	32.18	7.75	34.27	100	23	P	V
		2388.93	48.95	-5.05	54	43.29	32.18	7.75	34.27	100	23	A	V
	*	2420	102.28	-	-	96.66	32.22	7.75	34.35	100	23	P	V
	*	2420	91.07	-	-	85.45	32.22	7.75	34.35	100	23	A	V
		2484.56	59.61	-14.39	74	53.85	32.28	7.91	34.43	100	23	P	V
		2486.24	46.39	-7.61	54	40.63	32.28	7.91	34.43	100	23	A	V
802.11n HT40 CH 06 2437MHz		2389.83	69.26	-4.74	74	63.63	32.18	7.75	34.3	100	31	P	H
		2389.92	51.55	-2.45	54	45.92	32.18	7.75	34.3	100	31	A	H
	*	2439	106.73	-	-	101.01	32.24	7.83	34.35	100	31	P	H
	*	2439	96.02	-	-	90.3	32.24	7.83	34.35	100	31	A	H
		2486.24	70.39	-3.61	74	64.63	32.28	7.91	34.43	100	31	P	H
		2483.92	50.84	-3.16	54	45.08	32.28	7.91	34.43	100	31	A	H
		2389.2	64.13	-9.87	74	58.47	32.18	7.75	34.27	113	24	P	V
		2388.39	48.75	-5.25	54	43.09	32.18	7.75	34.27	113	24	A	V
	*	2435.895	103.88	-	-	98.18	32.22	7.83	34.35	113	24	P	V
	*	2435	92.99	-	-	87.29	32.22	7.83	34.35	113	24	A	V
		2499.08	66.63	-7.37	74	60.9	32.3	7.91	34.48	113	24	P	V
		2484.72	48.4	-5.6	54	42.64	32.28	7.91	34.43	113	24	A	V



802.11n HT40 CH 09 2452MHz		2378.49	62.65	-11.35	74	57.08	32.16	7.68	34.27	100	29	P	H
		2388.93	47.32	-6.68	54	41.66	32.18	7.75	34.27	100	29	A	H
	*	2450.685	105.7	-	-	100.02	32.24	7.83	34.39	100	29	P	H
	*	2450.267	95	-	-	89.32	32.24	7.83	34.39	100	29	A	H
		2486.88	72.38	-1.62	74	66.62	32.28	7.91	34.43	100	29	P	H
		2485.12	49.04	-4.96	54	43.28	32.28	7.91	34.43	100	29	A	H
		2380.83	61.84	-12.16	74	56.2	32.16	7.75	34.27	100	29	P	V
		2388.3	46.53	-7.47	54	40.87	32.18	7.75	34.27	100	29	A	V
	*	2454	100.58	-	-	94.88	32.26	7.83	34.39	100	29	P	V
	*	2454	90.62	-	-	84.92	32.26	7.83	34.39	100	29	A	V
		2484.88	70.61	-3.39	74	64.85	32.28	7.91	34.43	100	29	P	V
		2483.52	47.81	-6.19	54	42.05	32.28	7.91	34.43	100	29	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 (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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		4845	41.96	-32.04	74	55.41	34.28	11.16	58.89	100	0	P	H
													H
													H
													H
		4845	41.78	-32.22	74	55.23	34.28	11.16	58.89	100	0	P	V
													V
													V
													V
802.11n HT40 CH 06 2437MHz		4875	46.68	-27.32	74	60	34.3	11.21	58.83	100	0	P	H
		7332	45.65	-28.35	74	52.71	35.6	15.08	57.74	100	0	P	H
													H
													H
		4875	42.82	-31.18	74	56.14	34.3	11.21	58.83	100	0	P	V
		7332	43.34	-30.66	74	50.4	35.6	15.08	57.74	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4905	42.55	-31.45	74	55.71	34.33	11.27	58.76	100	0	P	H
		7356	43.49	-30.51	74	50.55	35.6	15.11	57.77	100	0	P	H
													H
													H
		4905	42	-32	74	55.16	34.33	11.27	58.76	100	0	P	V
		7356	44.12	-29.88	74	51.18	35.6	15.11	57.77	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		78.06	27	-13	40	49.21	6.93	2.06	31.2	118	174	P	H
		172.29	22.1	-21.4	43.5	41.09	9.46	2.61	31.06			P	H
		277.32	29.15	-16.85	46	44.09	12.83	3.16	30.93			P	H
		399.4	28.69	-17.31	46	40.17	15.9	3.52	30.9			P	H
		765.5	29.14	-16.86	46	32.93	22.1	4.48	30.37			P	H
		960.1	39.57	-14.43	54	40.29	24.7	4.94	30.36			P	H
													H
													H
													H
													H
													H
													H
		41.07	17.24	-22.76	40	33.37	13.3	1.77	31.2			P	V
		157.71	21.74	-21.76	43.5	39.73	10.58	2.61	31.18			P	V
		276.24	26.97	-19.03	46	41.91	12.84	3.16	30.94			P	V
		398	31.97	-14.03	46	43.54	15.82	3.52	30.91	212	107	P	V
		646.5	28.4	-17.6	46	34.29	20.4	4.22	30.51			P	V
		960.1	36.85	-17.15	54	37.57	24.7	4.94	30.36			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 per 15.209(c).
!	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”.