



Appendix B. Radiated Spurious Emission

Test Engineer :	Tsung Lee and Stan Hsieh	Temperature :	21~23 °C
		Relative Humidity :	46~49%

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		2389.29	53.11	-20.89	74	53.73	27.23	5.39	33.24	136	27	P	H
		2390.01	44.33	-9.67	54	44.93	27.23	5.39	33.22	136	27	A	H
	*	2413.444	106.28	-	-	106.8	27.28	5.42	33.22	136	27	P	H
	*	2413.611	103.77	-	-	104.29	27.28	5.42	33.22	136	27	A	H
													H
													H
		2386.68	53.45	-20.55	74	54.07	27.23	5.39	33.24	141	139	P	V
		2390.01	44.5	-9.5	54	45.1	27.23	5.39	33.22	141	139	A	V
	*	2413.527	106.71	-	-	107.23	27.28	5.42	33.22	141	139	P	V
	*	2413.444	104.19	-	-	104.71	27.28	5.42	33.22	141	139	A	V
													V
													V
802.11b CH 06 2437MHz		2348.25	52.92	-21.08	74	53.74	27.1	5.33	33.25	248	299	P	H
		2389.65	42.75	-11.25	54	43.37	27.23	5.39	33.24	248	299	A	H
	*	2438.41	105.29	-	-	105.71	27.37	5.42	33.21	248	299	P	H
	*	2438.577	102.73	-	-	103.15	27.37	5.42	33.21	248	299	A	H
		2496.56	52.7	-21.3	74	52.91	27.5	5.46	33.17	248	299	P	H
		2483.56	42.7	-11.3	54	42.96	27.46	5.46	33.18	248	299	A	H
		2389.56	54.39	-19.61	74	55.01	27.23	5.39	33.24	298	93	P	V
		2389.56	42.89	-11.11	54	43.51	27.23	5.39	33.24	298	93	A	V
	*	2438.41	107.4	-	-	107.82	27.37	5.42	33.21	298	93	P	V
	*	2438.577	104.85	-	-	105.27	27.37	5.42	33.21	298	93	A	V
		2496.12	52.64	-21.36	74	52.85	27.5	5.46	33.17	298	93	P	V
		2484.44	42.74	-11.26	54	43	27.46	5.46	33.18	298	93	A	V



802.11b CH 11 2462MHz	*	2460.621	104.28	-	-	104.63	27.41	5.44	33.2	259	62	P	H
	*	2460.538	101.71	-	-	102.06	27.41	5.44	33.2	259	62	A	H
		2483.92	53.98	-20.02	74	54.24	27.46	5.46	33.18	259	62	P	H
		2483.52	44.23	-9.77	54	44.49	27.46	5.46	33.18	259	62	A	H
													H
													H
	*	2460.538	105.35	-	-	105.7	27.41	5.44	33.2	256	96	P	V
	*	2460.621	102.74	-	-	103.09	27.41	5.44	33.2	256	96	A	V
		2485.24	53.66	-20.34	74	53.92	27.46	5.46	33.18	256	96	P	V
		2483.76	44.09	-9.91	54	44.35	27.46	5.46	33.18	256	96	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	49.88	-24.12	74	71.45	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	46.49	-27.51	74	68.06	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4872	48.1	-25.9	74	69.36	31.56	7.7	60.52	100	0	P	H
		7308	43.55	-30.45	74	58.81	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	47.15	-26.85	74	68.41	31.56	7.7	60.52	100	0	P	V
		7313	45.56	-28.44	74	60.82	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4926	57.32	-16.68	74	78.15	31.66	7.93	60.42	100	105	P	H
		4926	50.02	-3.98	54	70.85	31.66	7.93	60.42	100	105	A	H
		7386	43.92	-30.08	74	59.21	36.37	9.53	61.19	100	0	P	H
													H
		4926	48.24	-25.76	74	69.07	31.66	7.93	60.42	100	0	P	V
		7386	44.5	-29.5	74	59.79	36.37	9.53	61.19	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		2389.92	61.99	-12.01	74	62.59	27.23	5.39	33.22	303	55	P	H
		2390	48.56	-5.44	54	49.16	27.23	5.39	33.22	303	55	A	H
	*	2413.611	104.9	-	-	105.42	27.28	5.42	33.22	303	55	P	H
	*	2413.36	97.69	-	-	98.21	27.28	5.42	33.22	303	55	A	H
													H
													H
		2390	61.32	-12.68	74	61.92	27.23	5.39	33.22	156	73	P	V
		2390	48.05	-5.95	54	48.65	27.23	5.39	33.22	156	73	A	V
	*	2413.778	106	-	-	106.52	27.28	5.42	33.22	156	73	P	V
	*	2413.277	98.24	-	-	98.76	27.28	5.42	33.22	156	73	A	V
													V
													V
802.11g CH 06 2437MHz		2380.83	52.76	-21.24	74	53.42	27.19	5.39	33.24	333	10	P	H
		2389.56	43.36	-10.64	54	43.98	27.23	5.39	33.24	333	10	A	H
	*	2438.243	101.95	-	-	102.37	27.37	5.42	33.21	333	10	P	H
	*	2437.992	94.83	-	-	95.25	27.37	5.42	33.21	333	10	A	H
		2498.68	53.02	-20.98	74	53.23	27.5	5.46	33.17	333	10	P	H
		2483.52	43.1	-10.9	54	43.36	27.46	5.46	33.18	333	10	A	H
		2321.97	53.11	-20.89	74	54.05	27.05	5.27	33.26	295	96	P	V
		2389.74	43.29	-10.71	54	43.91	27.23	5.39	33.24	295	96	A	V
	*	2437.992	105.09	-	-	105.51	27.37	5.42	33.21	295	96	P	V
	*	2438.243	97.48	-	-	97.9	27.37	5.42	33.21	295	96	A	V
		2485.68	53.87	-20.13	74	54.13	27.46	5.46	33.18	295	96	P	V
		2483.56	43.66	-10.34	54	43.92	27.46	5.46	33.18	295	96	A	V



802.11g CH 11 2462MHz	*	2455.444	103.27	-	-	103.62	27.41	5.44	33.2	266	69	P	H
	*	2455.194	95.34	-	-	95.69	27.41	5.44	33.2	266	69	A	H
		2483.56	62.44	-11.56	74	62.7	27.46	5.46	33.18	266	69	P	H
		2483.64	48.35	-5.65	54	48.61	27.46	5.46	33.18	266	69	A	H
													H
													H
	*	2460.454	105.72	-	-	106.07	27.41	5.44	33.2	233	116	P	V
	*	2460.955	97.94	-	-	98.29	27.41	5.44	33.2	233	116	A	V
		2483.72	66.14	-7.86	74	66.4	27.46	5.46	33.18	233	116	P	V
		2483.6	49.66	-4.34	54	49.92	27.46	5.46	33.18	233	116	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	40.94	-33.06	74	62.51	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	38.76	-35.24	74	60.33	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4872	38.58	-35.42	74	59.84	31.56	7.7	60.52	100	0	P	H
		7308	43.23	-30.77	74	58.49	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	39.01	-34.99	74	60.27	31.56	7.7	60.52	100	0	P	V
		7308	43.36	-30.64	74	58.62	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4920	48.13	-25.87	74	69.07	31.66	7.82	60.42	100	0	P	H
		7386	43.88	-30.12	74	59.17	36.37	9.53	61.19	100	0	P	H
													H
													H
		4924	47.13	-26.87	74	67.96	31.66	7.93	60.42	100	0	P	V
		7386	45.18	-28.82	74	60.47	36.37	9.53	61.19	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		2389.74	64.95	-9.05	74	65.57	27.23	5.39	33.24	302	56	P	H
		2390	49.74	-4.26	54	50.34	27.23	5.39	33.22	302	56	A	H
	*	2411.773	105.47	-	-	105.99	27.28	5.42	33.22	302	56	P	H
	*	2413.277	97.58	-	-	98.1	27.28	5.42	33.22	302	56	A	H
													H
													H
		2389.74	67.24	-6.76	74	67.86	27.23	5.39	33.24	208	71	P	V
		2390	50.59	-3.41	54	51.19	27.23	5.39	33.22	208	71	A	V
	*	2413.778	105.88	-	-	106.4	27.28	5.42	33.22	208	71	P	V
	*	2413.193	98.06	-	-	98.58	27.28	5.42	33.22	208	71	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.2	53.87	-20.13	74	54.49	27.23	5.39	33.24	229	299	P	H
		2390	43.95	-10.05	54	44.55	27.23	5.39	33.22	229	299	A	H
	*	2438.66	103.44	-	-	103.86	27.37	5.42	33.21	229	299	P	H
	*	2437.909	95.76	-	-	96.18	27.37	5.42	33.21	229	299	A	H
		2492.68	53.6	-20.4	74	53.81	27.5	5.46	33.17	229	299	P	H
		2483.8	43.34	-10.66	54	43.6	27.46	5.46	33.18	229	299	A	H
		2346.18	53.25	-20.75	74	54.07	27.1	5.33	33.25	295	95	P	V
		2389.92	43.66	-10.34	54	44.26	27.23	5.39	33.22	295	95	A	V
	*	2438.326	105.16	-	-	105.58	27.37	5.42	33.21	295	95	P	V
	*	2438.243	98.05	-	-	98.47	27.37	5.42	33.21	295	95	A	V
		2489.2	52.96	-21.04	74	53.18	27.5	5.46	33.18	295	95	P	V
		2483.76	44.1	-9.9	54	44.36	27.46	5.46	33.18	295	95	A	V



802.11n HT20 CH 11 2462MHz	*	2460.371	103.52	-	-	103.87	27.41	5.44	33.2	291	52	P	H
	*	2460.705	96.31	-	-	96.66	27.41	5.44	33.2	291	52	A	H
		2483.6	66.16	-7.84	74	66.42	27.46	5.46	33.18	291	52	P	H
		2483.52	50.21	-3.79	54	50.47	27.46	5.46	33.18	291	52	A	H
													H
													H
	*	2460.953	103.8	-	-	104.15	27.41	5.44	33.2	100	99	P	V
	*	2460.872	96.27	-	-	96.62	27.41	5.44	33.2	100	99	A	V
		2483.6	63.73	-10.27	74	63.99	27.46	5.46	33.18	100	99	P	V
		2483.52	49.31	-4.69	54	49.57	27.46	5.46	33.18	100	99	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	39.86	-34.14	74	61.43	31.46	7.58	60.61	100	0	P	H
													H
													H
													H
		4824	38.5	-35.5	74	60.07	31.46	7.58	60.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4872	38.39	-35.61	74	59.65	31.56	7.7	60.52	100	0	P	H
		7308	42.72	-31.28	74	57.98	36.18	9.49	60.93	100	0	P	H
													H
													H
		4872	39.49	-34.51	74	60.75	31.56	7.7	60.52	100	0	P	V
		7308	43.17	-30.83	74	58.43	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4926	45.71	-28.29	74	66.54	31.66	7.93	60.42	100	0	P	H
		7386	43.21	-30.79	74	58.5	36.37	9.53	61.19	100	0	P	H
													H
													H
		4924	45.89	-28.11	74	66.72	31.66	7.93	60.42	100	0	P	V
		7386	43.47	-30.53	74	58.76	36.37	9.53	61.19	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		2389.74	66.1	-7.9	74	66.72	27.23	5.39	33.24	305	54	P	H
		2390	50.25	-3.75	54	50.85	27.23	5.39	33.22	305	54	A	H
	*	2420.955	101.53	-	-	102	27.32	5.42	33.21	305	54	P	H
	*	2420.205	93.57	-	-	94.04	27.32	5.42	33.21	305	54	A	H
		2484.56	52.14	-21.86	74	52.4	27.46	5.46	33.18	305	54	P	H
		2483.72	43.15	-10.85	54	43.41	27.46	5.46	33.18	305	54	A	H
		2389.74	65.2	-8.8	74	65.82	27.23	5.39	33.24	197	86	P	V
		2389.56	49.49	-4.51	54	50.11	27.23	5.39	33.24	197	86	A	V
	*	2420.207	100.9	-	-	101.37	27.32	5.42	33.21	197	86	P	V
	*	2420.957	93.79	-	-	94.26	27.32	5.42	33.21	197	86	A	V
		2492.6	53.51	-20.49	74	53.72	27.5	5.46	33.17	197	86	P	V
		2483.68	43.31	-10.69	54	43.57	27.46	5.46	33.18	197	86	A	V
802.11n HT40 CH 06 2437MHz		2389.74	62.92	-11.08	74	63.54	27.23	5.39	33.24	249	299	P	H
		2389.83	47.68	-6.32	54	48.28	27.23	5.39	33.22	249	299	A	H
	*	2439	101.41	-	-	101.83	27.37	5.42	33.21	249	299	P	H
	*	2439	93.99	-	-	94.41	27.37	5.42	33.21	249	299	A	H
		2483.52	57.84	-16.16	74	58.1	27.46	5.46	33.18	249	299	P	H
		2483.52	46.6	-7.4	54	46.86	27.46	5.46	33.18	249	299	A	H
		2389.65	59.23	-14.77	74	59.85	27.23	5.39	33.24	326	95	P	V
		2389.83	47.61	-6.39	54	48.21	27.23	5.39	33.22	326	95	A	V
	*	2439	104.26	-	-	104.68	27.37	5.42	33.21	326	95	P	V
	*	2439	96.85	-	-	97.27	27.37	5.42	33.21	326	95	A	V
		2483.64	61.28	-12.72	74	61.54	27.46	5.46	33.18	326	95	P	V
		2483.52	48.64	-5.36	54	48.9	27.46	5.46	33.18	326	95	A	V



802.11n HT40 CH 09 2452MHz		2387.13	52.53	-21.47	74	53.15	27.23	5.39	33.24	102	52	P	H
		2389.2	42.98	-11.02	54	43.6	27.23	5.39	33.24	102	52	A	H
	*	2450.933	102.53	-	-	102.92	27.37	5.44	33.2	102	52	P	H
	*	2450.017	95.44	-	-	95.83	27.37	5.44	33.2	102	52	A	H
		2483.56	68.19	-5.81	74	68.45	27.46	5.46	33.18	102	52	P	H
		2483.6	50.64	-3.36	54	50.9	27.46	5.46	33.18	102	52	A	H
		2360.67	52.09	-21.91	74	52.87	27.14	5.33	33.25	102	53	P	V
		2388.48	42.89	-11.11	54	43.51	27.23	5.39	33.24	102	53	A	V
	*	2450.184	101.82	-	-	102.21	27.37	5.44	33.2	102	53	P	V
	*	2450.85	94.05	-	-	94.44	27.37	5.44	33.2	102	53	A	V
		2483.52	66.99	-7.01	74	67.25	27.46	5.46	33.18	102	53	P	V
		2483.52	49.45	-4.55	54	49.71	27.46	5.46	33.18	102	53	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	37.98	-36.02	74	59.37	31.49	7.7	60.58	100	0	P	H
		7266	43.15	-30.85	74	58.41	36.11	9.46	60.83	100	0	P	H
													H
													H
		4844	37.95	-36.05	74	59.34	31.49	7.7	60.58	100	0	P	V
		7266	42.64	-31.36	74	57.9	36.11	9.46	60.83	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	32.34	-41.66	74	53.6	31.56	7.7	60.52	100	0	P	H
		7311	39.88	-34.12	74	55.14	36.18	9.49	60.93	100	0	P	H
													H
													H
		4874	38.38	-35.62	74	59.64	31.56	7.7	60.52	100	0	P	V
		7311	41.8	-32.2	74	57.06	36.18	9.49	60.93	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	42.9	-31.1	74	63.91	31.63	7.82	60.46	100	0	P	H
		7356	42.79	-31.21	74	58.07	36.3	9.51	61.09	100	0	P	H
													H
													H
		4904	40.26	-33.74	74	61.27	31.63	7.82	60.46	100	0	P	V
		7356	42.9	-31.1	74	58.18	36.3	9.51	61.09	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 802.11b (LF)

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)
2.4GHz 802.11b LF		56.73	21.93	-18.07	40	46.73	7.03	0.93	32.76	-	-	P	H
		106.41	27.95	-15.55	43.5	48.35	11.1	1.14	32.64	-	-	P	H
		178.5	30.32	-13.18	43.5	52.02	9.53	1.48	32.71	-	-	P	H
		756.4	31.95	-14.05	46	40.3	21.67	2.91	32.93	-	-	P	H
		825	39.54	-6.46	46	46.91	22.3	3.07	32.74	100	5	P	H
		848.1	27.58	-18.42	46	34.55	22.48	3.16	32.61	-	-	P	H
													H
													H
													H
													H
													H
													H
		31.62	28.53	-11.47	40	41.78	18.92	0.65	32.82	-	-	P	V
		40.8	29.37	-10.63	40	47.58	13.94	0.65	32.8	-	-	P	V
		179.31	26.94	-16.56	43.5	48.71	9.46	1.48	32.71	-	-	P	V
		412.7	23.41	-22.59	46	37.38	16.72	2.16	32.85	-	-	P	V
		756.4	25.36	-20.64	46	33.71	21.67	2.91	32.93	-	-	P	V
		825	35.71	-10.29	46	43.08	22.3	3.07	32.74	102	89	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	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

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		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”.