



Appendix B. Radiated Spurious Emission

Test Engineer :	James Chiu and Jesse Wang	Temperature :	21~23°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		2340.42	58.68	-15.32	74	53.14	32.11	7.68	34.25	100	330	P	H
		2389.38	44.49	-9.51	54	38.83	32.18	7.75	34.27	100	330	A	H
	*	2412	103.73	-	-	98.08	32.2	7.75	34.3	100	330	P	H
	*	2412	99.03	-	-	93.38	32.2	7.75	34.3	100	330	A	H
													H
													H
		2386.32	58.8	-15.2	74	53.14	32.18	7.75	34.27	102	62	P	V
		2389.38	45.97	-8.03	54	40.31	32.18	7.75	34.27	102	62	A	V
	*	2412	105.8	-	-	100.15	32.2	7.75	34.3	102	62	P	V
	*	2412	100.9	-	-	95.25	32.2	7.75	34.3	102	62	A	V
													V
													V
802.11b CH 06 2437MHz		2327.46	59	-15	74	53.53	32.09	7.6	34.22	156	49	P	H
		2388.66	44.13	-9.87	54	38.47	32.18	7.75	34.27	156	49	A	H
	*	2437	106.78	-	-	101.06	32.24	7.83	34.35	156	49	P	H
	*	2437	101.9	-	-	96.18	32.24	7.83	34.35	156	49	A	H
		2489.24	59.61	-14.39	74	53.83	32.3	7.91	34.43	156	49	P	H
		2489.84	44.52	-9.48	54	38.74	32.3	7.91	34.43	156	49	A	H
		2332.68	58.51	-15.49	74	53.04	32.09	7.6	34.22	312	84	P	V
		2388.75	44.18	-9.82	54	38.52	32.18	7.75	34.27	312	84	A	V
	*	2437	108.52	-	-	102.8	32.24	7.83	34.35	312	84	P	V
	*	2437	103.49	-	-	97.77	32.24	7.83	34.35	312	84	A	V
		2484.68	59.34	-14.66	74	53.58	32.28	7.91	34.43	312	84	P	V
		2484.28	44.66	-9.34	54	38.9	32.28	7.91	34.43	312	84	A	V



802.11b CH 11 2462MHz	*	2462	106.72	-	-	100.94	32.26	7.91	34.39	108	36	P	H
	*	2462	101.7	-	-	95.92	32.26	7.91	34.39	108	36	A	H
		2484.16	60.71	-13.29	74	54.95	32.28	7.91	34.43	108	36	P	H
		2483.52	50.28	-3.72	54	44.52	32.28	7.91	34.43	108	36	A	H
													H
													H
	*	2462	105.71	-	-	99.93	32.26	7.91	34.39	100	61	P	V
	*	2462	100.68	-	-	94.9	32.26	7.91	34.39	100	61	A	V
		2483.8	60.44	-13.56	74	54.68	32.28	7.91	34.43	100	61	P	V
		2483.52	49.85	-4.15	54	44.09	32.28	7.91	34.43	100	61	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	40.51	-33.49	74	54.73	34.26	11.16	59.64	100	0	P	H
													H
													H
													H
		4824	41.06	-32.94	74	55.28	34.26	11.16	59.64	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4872	40.48	-33.52	74	54.54	34.3	11.21	59.57	100	0	P	H
		7311	45.45	-28.55	74	53.24	35.6	15.08	58.47	100	0	P	H
													H
													H
		4872	39.61	-34.39	74	53.67	34.3	11.21	59.57	100	0	P	V
		7308	47.52	-26.48	74	55.31	35.6	15.08	58.47	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4926	41.19	-32.81	74	55.08	34.34	11.27	59.5	100	0	P	H
		7386	45.65	-28.35	74	53.49	35.6	15.14	58.58	100	0	P	H
													H
													H
		4926	40.73	-33.27	74	54.62	34.34	11.27	59.5	100	0	P	V
		7386	47.75	-26.25	74	55.59	35.6	15.14	58.58	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		2385.42	63.73	-10.27	74	58.09	32.16	7.75	34.27	101	323	P	H
		2389.92	46.85	-7.15	54	41.22	32.18	7.75	34.3	101	323	A	H
	*	2412	104.45	-	-	98.8	32.2	7.75	34.3	101	323	P	H
	*	2412	94.3	-	-	88.65	32.2	7.75	34.3	101	323	A	H
													H
													H
		2389.92	67.05	-6.95	74	61.42	32.18	7.75	34.3	130	135	P	V
		2390	49.35	-4.65	54	43.72	32.18	7.75	34.3	130	135	A	V
	*	2412	107.37	-	-	101.72	32.2	7.75	34.3	130	135	P	V
	*	2412	96.92	-	-	91.27	32.2	7.75	34.3	130	135	A	V
													V
													V
802.11g CH 06 2437MHz		2367.69	58.18	-15.82	74	52.64	32.13	7.68	34.27	158	50	P	H
		2380.29	44.9	-9.1	54	39.26	32.16	7.75	34.27	158	50	A	H
	*	2437	105.43	-	-	99.71	32.24	7.83	34.35	158	50	P	H
	*	2437	95.33	-	-	89.61	32.24	7.83	34.35	158	50	A	H
		2483.52	59.7	-14.3	74	53.94	32.28	7.91	34.43	158	50	P	H
		2490.96	45.74	-8.26	54	39.96	32.3	7.91	34.43	158	50	A	H
		2310.54	58.55	-15.45	74	53.07	32.07	7.6	34.19	247	82	P	V
		2389.74	44.98	-9.02	54	39.32	32.18	7.75	34.27	247	82	A	V
	*	2437	106.41	-	-	100.69	32.24	7.83	34.35	247	82	P	V
	*	2437	96.45	-	-	90.73	32.24	7.83	34.35	247	82	A	V
		2496.44	58.8	-15.2	74	53.07	32.3	7.91	34.48	247	82	P	V
		2490.4	46.01	-7.99	54	40.23	32.3	7.91	34.43	247	82	A	V



802.11g CH 11 2462MHz	*	2462	104.14	-	-	98.36	32.26	7.91	34.39	107	28	P	H
	*	2462	94.4	-	-	88.62	32.26	7.91	34.39	107	28	A	H
		2483.52	66.79	-7.21	74	61.03	32.28	7.91	34.43	107	28	P	H
		2483.52	48.17	-5.83	54	42.41	32.28	7.91	34.43	107	28	A	H
													H
													H
	*	2462	106.53	-	-	100.75	32.26	7.91	34.39	130	136	P	V
	*	2462	96.7	-	-	90.92	32.26	7.91	34.39	130	136	A	V
		2483.84	69.89	-4.11	74	64.13	32.28	7.91	34.43	130	136	P	V
		2483.68	50.71	-3.29	54	44.95	32.28	7.91	34.43	130	136	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	41.79	-32.21	74	56.01	34.26	11.16	59.64	100	0	P	H
													H
													H
													H
		4824	40.38	-33.62	74	54.6	34.26	11.16	59.64	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4872	38.91	-35.09	74	52.97	34.3	11.21	59.57	100	0	P	H
		7311	42.34	-31.66	74	50.13	35.6	15.08	58.47	100	0	P	H
													H
													H
		4872	39.11	-34.89	74	53.17	34.3	11.21	59.57	100	0	P	V
		7311	43.54	-30.46	74	51.33	35.6	15.08	58.47	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	40.7	-33.3	74	54.59	34.34	11.27	59.5	100	0	P	H
		7386	43.02	-30.98	74	50.86	35.6	15.14	58.58	100	0	P	H
													H
													H
		4924	40	-34	74	53.89	34.34	11.27	59.5	100	0	P	V
		7386	43.92	-30.08	74	51.76	35.6	15.14	58.58	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		2389.65	68.52	-5.48	74	62.86	32.18	7.75	34.27	110	49	P	H
		2390	49.95	-4.05	54	44.32	32.18	7.75	34.3	110	49	A	H
	*	2412	104.89	-	-	99.24	32.2	7.75	34.3	110	49	P	H
	*	2412	94.94	-	-	89.29	32.2	7.75	34.3	110	49	A	H
													H
													H
		2389.74	69.71	-4.29	74	64.05	32.18	7.75	34.27	102	65	P	V
		2389.92	49.64	-4.36	54	44.01	32.18	7.75	34.3	102	65	A	V
	*	2412	105.73	-	-	100.08	32.2	7.75	34.3	102	65	P	V
	*	2412	95.15	-	-	89.5	32.2	7.75	34.3	102	65	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2374.44	58.28	-15.72	74	52.71	32.16	7.68	34.27	100	51	P	H
		2390	44.94	-9.06	54	39.31	32.18	7.75	34.3	100	51	A	H
	*	2437	105.71	-	-	99.99	32.24	7.83	34.35	100	51	P	H
	*	2437	95.97	-	-	90.25	32.24	7.83	34.35	100	51	A	H
		2484.32	59.44	-14.56	74	53.68	32.28	7.91	34.43	100	51	P	H
		2493.24	45.9	-8.1	54	40.17	32.3	7.91	34.48	100	51	A	H
		2346.99	58.32	-15.68	74	52.78	32.11	7.68	34.25	100	96	P	V
		2389.2	44.92	-9.08	54	39.26	32.18	7.75	34.27	100	96	A	V
	*	2437	105.52	-	-	99.8	32.24	7.83	34.35	100	96	P	V
	*	2437	95.48	-	-	89.76	32.24	7.83	34.35	100	96	A	V
		2499.44	59.23	-14.77	74	53.5	32.3	7.91	34.48	100	96	P	V
		2494.16	45.71	-8.29	54	39.98	32.3	7.91	34.48	100	96	A	V



802.11n HT20 CH 11 2462MHz	*	2462	105.23	-	-	99.45	32.26	7.91	34.39	126	24	P	H
	*	2462	94.91	-	-	89.13	32.26	7.91	34.39	126	24	A	H
		2484.04	68.38	-5.62	74	62.62	32.28	7.91	34.43	126	24	P	H
		2483.56	49.61	-4.39	54	43.85	32.28	7.91	34.43	126	24	A	H
													H
													H
	*	2462	105.4	-	-	99.62	32.26	7.91	34.39	118	43	P	V
	*	2462	95.47	-	-	89.69	32.26	7.91	34.39	118	43	A	V
		2484.72	70.77	-3.23	74	65.01	32.28	7.91	34.43	118	43	P	V
		2483.56	50.18	-3.82	54	44.42	32.28	7.91	34.43	118	43	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	40.72	-33.28	74	54.94	34.26	11.16	59.64	100	0	P	H
													H
													H
													H
		4824	40.88	-33.12	74	55.1	34.26	11.16	59.64	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4872	38.47	-35.53	74	52.53	34.3	11.21	59.57	100	0	P	H
		7311	42.13	-31.87	74	49.92	35.6	15.08	58.47	100	0	P	H
													H
													H
		4872	39.57	-34.43	74	53.63	34.3	11.21	59.57	100	0	P	V
		7311	42.95	-31.05	74	50.74	35.6	15.08	58.47	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	40.85	-33.15	74	54.74	34.34	11.27	59.5	100	0	P	H
		7386	43.34	-30.66	74	51.18	35.6	15.14	58.58	100	0	P	H
													H
													H
		4924	40.65	-33.35	74	54.54	34.34	11.27	59.5	100	0	P	V
		7386	43.6	-30.4	74	51.44	35.6	15.14	58.58	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		2389.65	70.45	-3.55	74	64.79	32.18	7.75	34.27	100	48	P	H
		2389.92	49.72	-4.28	54	44.09	32.18	7.75	34.3	100	48	A	H
	*	2422	101.18	-	-	95.48	32.22	7.83	34.35	100	48	P	H
	*	2422	90.16	-	-	84.46	32.22	7.83	34.35	100	48	A	H
		2497.16	58.48	-15.52	74	52.75	32.3	7.91	34.48	100	48	P	H
		2484.36	45.43	-8.57	54	39.67	32.28	7.91	34.43	100	48	A	H
		2389.29	70.59	-3.41	74	64.93	32.18	7.75	34.27	108	65	P	V
		2389.92	49.2	-4.8	54	43.57	32.18	7.75	34.3	108	65	A	V
	*	2422	101.63	-	-	95.93	32.22	7.83	34.35	108	65	P	V
	*	2422	91.15	-	-	85.45	32.22	7.83	34.35	108	65	A	V
		2488.48	58.87	-15.13	74	53.09	32.3	7.91	34.43	108	65	P	V
		2488	45.63	-8.37	54	39.85	32.3	7.91	34.43	108	65	A	V
802.11n HT40 CH 06 2437MHz		2387.04	62.59	-11.41	74	56.93	32.18	7.75	34.27	100	54	P	H
		2389.47	46.56	-7.44	54	40.9	32.18	7.75	34.27	100	54	A	H
	*	2437	103.85	-	-	98.13	32.24	7.83	34.35	100	54	P	H
	*	2437	93.77	-	-	88.05	32.24	7.83	34.35	100	54	A	H
		2483.88	66.04	-7.96	74	60.28	32.28	7.91	34.43	100	54	P	H
		2483.8	48.81	-5.19	54	43.05	32.28	7.91	34.43	100	54	A	H
		2385.6	61.13	-12.87	74	55.47	32.18	7.75	34.27	100	95	P	V
		2390	46.61	-7.39	54	40.98	32.18	7.75	34.3	100	95	A	V
	*	2437	102.86	-	-	97.14	32.24	7.83	34.35	100	95	P	V
	*	2437	92.75	-	-	87.03	32.24	7.83	34.35	100	95	A	V
		2483.72	64.4	-9.6	74	58.64	32.28	7.91	34.43	100	95	P	V
		2483.8	48.29	-5.71	54	42.53	32.28	7.91	34.43	100	95	A	V



802.11n HT40 CH 09 2452MHz		2389.56	57.36	-16.64	74	51.7	32.18	7.75	34.27	107	50	P	H
		2331.24	44.89	-9.11	54	39.42	32.09	7.6	34.22	107	50	A	H
	*	2452	102.26	-	-	96.58	32.24	7.83	34.39	107	50	P	H
	*	2452	91.51	-	-	85.83	32.24	7.83	34.39	107	50	A	H
		2484.96	70.35	-3.65	74	64.59	32.28	7.91	34.43	107	50	P	H
		2484.48	50.35	-3.65	54	44.59	32.28	7.91	34.43	107	50	A	H
		2387.94	58.07	-15.93	74	52.41	32.18	7.75	34.27	100	66	P	V
		2318.37	44.78	-9.22	54	39.31	32.09	7.6	34.22	100	66	A	V
	*	2452	100.31	-	-	94.63	32.24	7.83	34.39	100	66	P	V
	*	2452	89.9	-	-	84.22	32.24	7.83	34.39	100	66	A	V
		2483.56	69.87	-4.13	74	64.11	32.28	7.91	34.43	100	66	P	V
		2484.24	49.29	-4.71	54	43.53	32.28	7.91	34.43	100	66	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		4844	40.66	-33.34	74	54.84	34.28	11.16	59.62	100	0	P	H
		7266	42.62	-31.38	74	50.39	35.6	15.06	58.43	100	0	P	H
													H
													H
		4844	41.28	-32.72	74	55.46	34.28	11.16	59.62	100	0	P	V
		7266	42.72	-31.28	74	50.49	35.6	15.06	58.43	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4872	38.31	-35.69	74	52.37	34.3	11.21	59.57	100	0	P	H
		7308	42.15	-31.85	74	49.94	35.6	15.08	58.47	100	0	P	H
													H
													H
		4872	39.53	-34.47	74	53.59	34.3	11.21	59.57	100	0	P	V
		7308	41.58	-32.42	74	49.37	35.6	15.08	58.47	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4902	39.29	-34.71	74	53.21	34.33	11.27	59.52	100	0	P	H
		7356	42.28	-31.72	74	50.1	35.6	15.11	58.53	100	0	P	H
													H
													H
		4902	39.23	-34.77	74	53.15	34.33	11.27	59.52	100	0	P	V
		7356	41.34	-32.66	74	49.16	35.6	15.11	58.53	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 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		44.04	17.84	-22.16	40	36.07	11.2	1.77	31.2			P	H
		200.37	15.92	-27.58	43.5	35.22	9.11	2.69	31.1	100	0	P	H
		240.06	17.81	-28.19	46	34.45	11.4	2.96	31			P	H
		528.9	19.82	-26.18	46	28.37	18.28	3.89	30.72			P	H
		802.6	25.66	-20.34	46	29.31	22.04	4.62	30.31			P	H
		951	28.74	-17.26	46	29.77	24.43	4.94	30.4			P	H
													H
													H
													H
													H
													H
													H
		37.83	32.53	-7.47	40	47.12	14.88	1.77	31.24	100	0	P	V
		128.55	12.98	-30.52	43.5	29.78	11.92	2.38	31.1			P	V
		218.73	12.63	-33.37	46	31.66	9.29	2.69	31.01			P	V
		440	24.97	-21.03	46	35.04	17	3.63	30.7			P	V
		634.6	23.13	-22.87	46	29.04	20.4	4.22	30.53			P	V
		841.8	26.49	-19.51	46	28.95	23.22	4.7	30.38			P	V
													V
													V
													V
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													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”.