



Appendix A. Radiated Spurious Emission

Test Engineer :	Kyle Jhuang, Karl Hou and Citta Ke	Temperature :	25~26°C
		Relative Humidity :	50~51%

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		2366.7	55.04	-18.96	74	51.42	32.7	4.6	33.68	100	174	P	H
		2390	42.48	-11.52	54	38.74	32.77	4.62	33.65	100	174	A	H
	*	2412	104.1	-	-	100.27	32.81	4.65	33.63	100	174	P	H
	*	2412	100.57	-	-	96.74	32.81	4.65	33.63	100	174	A	H
													H
													H
		2387.85	54.88	-19.12	74	51.14	32.77	4.62	33.65	101	100	P	V
		2390	42.49	-11.51	54	38.75	32.77	4.62	33.65	101	100	A	V
	*	2412	105.31	-	-	101.48	32.81	4.65	33.63	101	100	P	V
	*	2412	100.48	-	-	96.65	32.81	4.65	33.63	101	100	A	V
													V
													V
802.11b CH 06 2437MHz		2389.74	55.38	-18.62	74	51.64	32.77	4.62	33.65	100	151	P	H
		2389.65	41.75	-12.25	54	38.01	32.77	4.62	33.65	100	151	A	H
	*	2437	102.45	-	-	98.48	32.89	4.68	33.6	100	151	P	H
	*	2437	97.61	-	-	93.64	32.89	4.68	33.6	100	151	A	H
		2491.72	54.97	-19.03	74	50.8	33	4.73	33.56	100	151	P	H
		2485.56	42.18	-11.82	54	38.06	32.96	4.73	33.57	100	151	A	H
		2348.16	56.32	-17.68	74	52.78	32.66	4.57	33.69	100	85	P	V
		2389.56	41.66	-12.34	54	37.92	32.77	4.62	33.65	100	85	A	V
	*	2437	104.11	-	-	100.14	32.89	4.68	33.6	100	85	P	V
	*	2437	99.34	-	-	95.37	32.89	4.68	33.6	100	85	A	V
		2491.72	55.17	-18.83	74	51	33	4.73	33.56	100	85	P	V
		2487.8	42.19	-11.81	54	38.02	33	4.73	33.56	100	85	A	V



802.11b CH 11 2462MHz	*	2462	105.11	-	-	101.08	32.92	4.7	33.59	119	177	P	H
	*	2462	100.41	-	-	96.38	32.92	4.7	33.59	119	177	A	H
		2484.52	55.65	-18.35	74	51.53	32.96	4.73	33.57	119	177	P	H
		2483.52	43.2	-10.8	54	39.08	32.96	4.73	33.57	119	177	A	H
													H
													H
	*	2462	103.02	-	-	98.99	32.92	4.7	33.59	100	109	P	V
	*	2462	99.11	-	-	95.08	32.92	4.7	33.59	100	109	A	V
		2484.76	55.8	-18.2	74	51.68	32.96	4.73	33.57	100	109	P	V
		2483.68	43.03	-10.97	54	38.91	32.96	4.73	33.57	100	109	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	49.92	-24.08	74	43.38	0	6.54	0	100	0	P	H
													H
													H
													H
		4824	51.61	-22.39	74	45.07	0	6.54	0	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4875	45.38	-28.62	74	62.32	35.02	6.56	58.52	100	0	P	H
		7311	40.76	-33.24	74	54.29	36.39	8.24	58.16	100	0	P	H
													H
													H
		4874	43.19	-30.81	74	60.13	35.02	6.56	58.52	100	0	P	V
		7311	41.55	-32.45	74	55.08	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4923	42.67	-31.33	74	59.49	35.01	6.59	58.42	100	0	P	H
		7386	41.18	-32.82	74	54.74	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	42.07	-31.93	74	58.89	35.01	6.59	58.42	100	0	P	V
		7386	41.58	-32.42	74	55.14	36.44	8.31	58.31	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		2390	59.08	-14.92	74	55.34	32.77	4.62	33.65	100	181	P	H
		2390	44.09	-9.91	54	40.35	32.77	4.62	33.65	100	181	A	H
	*	2410	102.44	-	-	98.61	32.81	4.65	33.63	100	181	P	H
	*	2412	91.26	-	-	87.43	32.81	4.65	33.63	100	181	A	H
													H
													H
		2390	61.97	-12.03	74	58.23	32.77	4.62	33.65	100	119	P	V
		2390	44.74	-9.26	54	41	32.77	4.62	33.65	100	119	A	V
	*	2412	103.92	-	-	100.09	32.81	4.65	33.63	100	119	P	V
	*	2412	93.3	-	-	89.47	32.81	4.65	33.63	100	119	A	V
													V
													V
802.11g CH 06 2437MHz		2388.3	56.48	-17.52	74	52.74	32.77	4.62	33.65	100	199	P	H
		2390	42.93	-11.07	54	39.19	32.77	4.62	33.65	100	199	A	H
	*	2439	110.39	-	-	106.42	32.89	4.68	33.6	100	199	P	H
	*	2439	99.73	-	-	95.76	32.89	4.68	33.6	100	199	A	H
		2483.96	62.59	-11.41	74	58.47	32.96	4.73	33.57	100	199	P	H
		2483.6	44.56	-9.44	54	40.44	32.96	4.73	33.57	100	199	A	H
		2389.65	62.58	-11.42	74	58.84	32.77	4.62	33.65	100	116	P	V
		2390	43.57	-10.43	54	39.83	32.77	4.62	33.65	100	116	A	V
	*	2435	112.87	-	-	108.96	32.85	4.68	33.62	100	116	P	V
	*	2435	102.38	-	-	98.47	32.85	4.68	33.62	100	116	A	V
		2484.24	66.76	-7.24	74	62.64	32.96	4.73	33.57	100	116	P	V
		2489.2	47.43	-6.57	54	43.26	33	4.73	33.56	100	116	A	V



802.11g CH 11 2462MHz	*	2460	98.7	-	-	94.67	32.92	4.7	33.59	100	174	P	H
	*	2460	89.12	-	-	85.09	32.92	4.7	33.59	100	174	A	H
		2484.28	61.93	-12.07	74	57.81	32.96	4.73	33.57	100	174	P	H
		2483.56	45.49	-8.51	54	41.37	32.96	4.73	33.57	100	174	A	H
													H
													H
	*	2464	101.31	-	-	97.28	32.92	4.7	33.59	100	113	P	V
	*	2464	90.66	-	-	86.63	32.92	4.7	33.59	100	113	A	V
		2483.88	62.54	-11.46	74	58.42	32.96	4.73	33.57	100	113	P	V
		2483.64	45.78	-8.22	54	41.66	32.96	4.73	33.57	100	113	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	40.5	-33.5	74	57.54	35.03	6.54	58.61	100	0	P	H
													H
													H
													H
		4824	41.53	-32.47	74	58.57	35.03	6.54	58.61	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4875	39.62	-34.38	74	56.56	35.02	6.56	58.52	100	0	P	H
		7311	41.14	-32.86	74	54.67	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	41.65	-32.35	74	58.59	35.02	6.56	58.52	100	0	P	V
		7311	42.25	-31.75	74	55.78	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4923	40.24	-33.76	74	57.06	35.01	6.59	58.42	100	0	P	H
		7386	42.02	-31.98	74	55.58	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	39.61	-34.39	74	56.43	35.01	6.59	58.42	100	0	P	V
		7386	41.52	-32.48	74	55.08	36.44	8.31	58.31	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		2389.83	57.07	-16.93	74	53.33	32.77	4.62	33.65	145	175	P	H
		2390	42.8	-11.2	54	39.06	32.77	4.62	33.65	145	175	A	H
	*	2412	100.49	-	-	96.66	32.81	4.65	33.63	145	175	P	H
	*	2412	90.22	-	-	86.39	32.81	4.65	33.63	145	175	A	H
													H
													H
		2389.83	58.6	-15.4	74	54.86	32.77	4.62	33.65	100	82	P	V
		2390	43.54	-10.46	54	39.8	32.77	4.62	33.65	100	82	A	V
	*	2410	100.39	-	-	96.56	32.81	4.65	33.63	100	82	P	V
	*	2410	90.3	-	-	86.47	32.81	4.65	33.63	100	82	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2351.49	54.47	-19.53	74	50.93	32.66	4.57	33.69	122	179	P	H
		2388.48	42.05	-11.95	54	38.31	32.77	4.62	33.65	122	179	A	H
	*	2437	100.74	-	-	96.77	32.89	4.68	33.6	122	179	P	H
	*	2437	90.11	-	-	86.14	32.89	4.68	33.6	122	179	A	H
		2486.64	54.91	-19.09	74	50.79	32.96	4.73	33.57	122	179	P	H
		2489.48	42.61	-11.39	54	38.44	33	4.73	33.56	122	179	A	H
		2388.3	54.48	-19.52	74	50.74	32.77	4.62	33.65	100	102	P	V
		2389.11	41.99	-12.01	54	38.25	32.77	4.62	33.65	100	102	A	V
	*	2437	98.43	-	-	94.46	32.89	4.68	33.6	100	102	P	V
	*	2437	88.37	-	-	84.4	32.89	4.68	33.6	100	102	A	V
		2488.52	55.04	-18.96	74	50.87	33	4.73	33.56	100	102	P	V
		2489.4	42.68	-11.32	54	38.51	33	4.73	33.56	100	102	A	V



802.11n HT20 CH 11 2462MHz	*	2462	99.93	-	-	95.9	32.92	4.7	33.59	142	171	P	H
	*	2462	89.88	-	-	85.85	32.92	4.7	33.59	142	171	A	H
		2483.68	61.16	-12.84	74	57.04	32.96	4.73	33.57	142	171	P	H
		2483.8	46.12	-7.88	54	42	32.96	4.73	33.57	142	171	A	H
													H
													H
	*	2462	99.54	-	-	95.51	32.92	4.7	33.59	101	106	P	V
	*	2462	89.11	-	-	85.08	32.92	4.7	33.59	101	106	A	V
		2484.12	61.2	-12.8	74	57.08	32.96	4.73	33.57	101	106	P	V
		2483.52	44.67	-9.33	54	40.55	32.96	4.73	33.57	101	106	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	42.83	-31.17	74	59.87	35.03	6.54	58.61	100	0	P	H
													H
													H
													H
		4824	41.61	-32.39	74	58.65	35.03	6.54	58.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4875	38.75	-35.25	74	55.69	35.02	6.56	58.52	100	0	P	H
		7311	42.19	-31.81	74	55.72	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.33	-33.67	74	57.27	35.02	6.56	58.52	100	0	P	V
		7311	42.28	-31.72	74	55.81	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4923	39.33	-34.67	74	56.15	35.01	6.59	58.42	100	0	P	H
		7386	41.68	-32.32	74	55.24	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	39.12	-34.88	74	55.94	35.01	6.59	58.42	100	0	P	V
		7386	41.34	-32.66	74	54.9	36.44	8.31	58.31	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		2379.75	54.57	-19.43	74	50.9	32.73	4.6	33.66	123	176	P	H
		2389.74	43.05	-10.95	54	39.31	32.77	4.62	33.65	123	176	A	H
	*	2424	99.01	-	-	95.13	32.85	4.65	33.62	123	176	P	H
	*	2424	89.03	-	-	85.15	32.85	4.65	33.62	123	176	A	H
		2485.4	56.3	-17.7	74	52.18	32.96	4.73	33.57	123	176	P	H
		2488.4	43.18	-10.82	54	39.01	33	4.73	33.56	123	176	A	H
		2326.92	55.08	-18.92	74	51.61	32.62	4.55	33.7	100	84	P	V
		2389.74	43.01	-10.99	54	39.27	32.77	4.62	33.65	100	84	A	V
	*	2424	97.03	-	-	93.15	32.85	4.65	33.62	100	84	P	V
	*	2424	87.08	-	-	83.2	32.85	4.65	33.62	100	84	A	V
		2489.36	55.9	-18.1	74	51.73	33	4.73	33.56	100	84	P	V
		2486.48	43.25	-10.75	54	39.13	32.96	4.73	33.57	100	84	A	V
802.11n HT40 CH 06 2437MHz		2374.53	55.15	-18.85	74	51.48	32.73	4.6	33.66	121	177	P	H
		2379.57	42.54	-11.46	54	38.87	32.73	4.6	33.66	121	177	A	H
	*	2435	97.41	-	-	93.5	32.85	4.68	33.62	121	177	P	H
	*	2435	87.39	-	-	83.48	32.85	4.68	33.62	121	177	A	H
		2483.68	55.86	-18.14	74	51.74	32.96	4.73	33.57	121	177	P	H
		2485.08	43.33	-10.67	54	39.21	32.96	4.73	33.57	121	177	A	H
		2388.57	55.44	-18.56	74	51.7	32.77	4.62	33.65	100	86	P	V
		2370.48	42.58	-11.42	54	38.91	32.73	4.6	33.66	100	86	A	V
	*	2435	96.9	-	-	92.99	32.85	4.68	33.62	100	86	P	V
	*	2435	87.37	-	-	83.46	32.85	4.68	33.62	100	86	A	V
		2492.96	55.15	-18.85	74	50.98	33	4.73	33.56	100	86	P	V
		2484.6	43.53	-10.47	54	39.41	32.96	4.73	33.57	100	86	A	V



802.11n HT40 CH 09 2452MHz		2360.04	55.42	-18.58	74	51.8	32.7	4.6	33.68	100	180	P	H
		2389.29	42.65	-11.35	54	38.91	32.77	4.62	33.65	100	180	A	H
	*	2450	97.11	-	-	93.14	32.89	4.68	33.6	100	180	P	H
	*	2450	86.93	-	-	82.96	32.89	4.68	33.6	100	180	A	H
		2486.16	62.32	-11.68	74	58.2	32.96	4.73	33.57	100	180	P	H
		2483.88	48.03	-5.97	54	43.91	32.96	4.73	33.57	100	180	A	H
		2375.61	54.61	-19.39	74	50.94	32.73	4.6	33.66	100	99	P	V
		2387.13	42.62	-11.38	54	38.88	32.77	4.62	33.65	100	99	A	V
	*	2454	97.22	-	-	93.19	32.92	4.7	33.59	100	99	P	V
	*	2454	87.43	-	-	83.4	32.92	4.7	33.59	100	99	A	V
		2483.8	63.03	-10.97	74	58.91	32.96	4.73	33.57	100	99	P	V
		2485.76	47.3	-6.7	54	43.18	32.96	4.73	33.57	100	99	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	39.25	-34.75	74	56.25	35.03	6.55	58.58	100	0	P	H
		7266	40.31	-33.69	74	53.84	36.37	8.2	58.1	100	0	P	H
													H
													H
		4845	40.06	-33.94	74	57.06	35.03	6.55	58.58	100	0	P	V
		7266	40.71	-33.29	74	54.24	36.37	8.2	58.1	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4875	39	-35	74	55.94	35.02	6.56	58.52	100	0	P	H
		7311	40.67	-33.33	74	54.2	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	39.36	-34.64	74	56.3	35.02	6.56	58.52	100	0	P	V
		7311	41.82	-32.18	74	55.35	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4905	38.6	-35.4	74	55.45	35.02	6.59	58.46	100	0	P	H
		7356	41.38	-32.62	74	54.92	36.42	8.29	58.25	100	0	P	H
													H
													H
		4905	39.66	-34.34	74	56.51	35.02	6.59	58.46	100	0	P	V
		7356	41.78	-32.22	74	55.32	36.42	8.29	58.25	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		145.83	27.83	-15.67	43.5	46.85	11.5	1.26	31.78	101	110	P	H
		178.77	20.85	-22.65	43.5	42.2	9.03	1.4	31.78			P	H
		215.76	11.04	-32.46	43.5	32.03	9.26	1.53	31.78			P	H
		487.6	22.26	-23.74	46	34.07	17.86	2.21	31.88			P	H
		615.7	19.75	-26.25	46	29.23	20.08	2.48	32.04			P	H
		751.5	21.6	-24.4	46	28.63	22.2	2.75	31.98			P	H
													H
													H
													H
													H
													H
													H
		62.67	30.93	-9.07	40	55.87	5.96	0.89	31.79	155	1	P	V
		99.12	19.01	-24.49	43.5	39.54	10.16	1.09	31.78			P	V
		145.83	19	-24.5	43.5	38.02	11.5	1.26	31.78			P	V
		500.9	17.76	-28.24	46	29.42	18	2.23	31.89			P	V
		633.9	19.49	-26.51	46	28.53	20.46	2.54	32.04			P	V
		794.2	21.54	-24.46	46	28.65	22	2.82	31.93			P	V
													V
													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	H orizontal or V ertical



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”.