



Appendix B. Radiated Spurious Emission

Test Engineer :	Lewis He and Stan Hsieh	Temperature :	24~25°C
		Relative Humidity :	52~53%

Band 4 - 5725~5850MHz

WIFI 802.11a (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)
802.11a CH 149 5745MHz		5713.56	66.85	-1.45	68.3	58.69	32.52	32.66	8.3	100	181	P	H
		5724.92	75.48	-2.82	78.3	67.28	32.53	32.66	8.33	100	181	P	H
	*	5747	109.2	-	-	101	32.54	32.67	8.33	100	181	P	H
	*	5747	102.67	-	-	94.47	32.54	32.67	8.33	100	181	A	H
													H
													H
													H
													H
		5714.99	64.64	-3.66	68.3	56.48	32.52	32.66	8.3	100	239	P	V
		5724.92	77.21	-1.09	78.3	69.01	32.53	32.66	8.33	100	239	P	V
	*	5745	111.1	-	-	102.9	32.54	32.67	8.33	100	239	P	V
	*	5745	104.17	-	-	95.97	32.54	32.67	8.33	100	239	A	V
													V
													V
													V
													V



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)
802.11a CH 157 5785MHz		5685.56	52.3	-16	68.3	44.14	32.51	32.65	8.3	100	177	P	H
		5724.28	52.73	-25.57	78.3	44.53	32.53	32.66	8.33	100	177	P	H
	*	5783	111.04	-	-	102.8	32.57	32.68	8.35	100	177	P	H
	*	5783	103.51	-	-	95.27	32.57	32.68	8.35	100	177	A	H
		5850.4	51.74	-26.56	78.3	43.4	32.61	32.7	8.43	100	177	P	H
		5875.04	51.51	-16.79	68.3	43.16	32.63	32.71	8.43	100	177	P	H
													H
													H
		5713.48	52.41	-15.89	68.3	44.25	32.52	32.66	8.3	100	239	P	V
		5719.08	53.38	-24.92	78.3	45.21	32.53	32.66	8.3	100	239	P	V
	*	5787	110.82	-	-	102.57	32.58	32.68	8.35	100	239	P	V
	*	5787	104.17	-	-	95.92	32.58	32.68	8.35	100	239	A	V
		5857.44	52.48	-25.82	78.3	44.13	32.62	32.7	8.43	100	239	P	V
		5880.8	51.36	-16.94	68.3	43.01	32.63	32.71	8.43	100	239	P	V
													V
													V



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)
802.11a CH 165 5825MHz	*	5826	112.56	-	-	104.26	32.6	32.69	8.39	100	180	P	H
	*	5826	106.57	-	-	98.27	32.6	32.69	8.39	100	180	A	H
		5854.32	71.89	-6.41	78.3	63.54	32.62	32.7	8.43	100	180	P	H
		5861.84	64.32	-3.98	68.3	55.98	32.62	32.71	8.43	100	180	P	H
													H
													H
													H
													H
	*	5829	111.92	-	-	103.62	32.6	32.69	8.39	100	243	P	V
	*	5829	107.16	-	-	98.86	32.6	32.69	8.39	100	243	A	V
		5850.48	72.4	-5.9	78.3	64.06	32.61	32.7	8.43	100	243	P	V
		5863.12	64.62	-3.68	68.3	56.28	32.62	32.71	8.43	100	243	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11a (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)
802.11a CH 149 5745MHz		11490	43.69	-30.31	74	53.9	40.01	62.8	12.58	100	0	P	H
		17238	48.36	-19.94	68.3	51.79	41.05	60.14	15.66	100	0	P	H
													H
													H
		11490	43.86	-30.14	74	54.07	40.01	62.8	12.58	100	0	P	V
		17244	52.1	-16.2	68.3	55.49	41.1	60.15	15.66	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	51.77	-22.23	74	61.97	39.88	62.74	12.66	100	180	P	H
		11570	45.86	-8.14	54	56.06	39.88	62.74	12.66	100	180	A	H
		17340	48.75	-19.55	68.3	51.87	41.33	60.2	15.75	100	0	P	H
													H
		11575	54.1	-19.9	74	64.3	39.88	62.74	12.66	100	240	P	V
		11575	49.53	-4.47	54	59.73	39.88	62.74	12.66	100	240	A	V
		17358	53.58	-14.72	68.3	56.62	41.38	60.21	15.79	100	0	P	V
													V
802.11a CH 165 5825MHz		11655	52.49	-21.51	74	62.72	39.72	62.68	12.73	100	180	P	H
		11655	47.71	-6.29	54	57.94	39.72	62.68	12.73	100	180	A	H
		17478	54.3	-14	68.3	56.94	41.71	60.28	15.93	100	0	P	H
													H
		11660	54.98	-19.02	74	65.21	39.72	62.68	12.73	100	243	P	V
		11660	50.41	-3.59	54	60.64	39.72	62.68	12.73	100	243	A	V
		17472	55.49	-12.81	68.3	58.18	41.71	60.28	15.88	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 4 5725~5850MHz****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 149 5745MHz		5714.28	66.87	-1.43	68.3	58.71	32.52	32.66	8.3	100	178	P	H
		5724.12	76.24	-2.06	78.3	68.04	32.53	32.66	8.33	100	178	P	H
	*	5743	110.35	-	-	102.15	32.54	32.67	8.33	100	178	P	H
	*	5743	103.63	-	-	95.43	32.54	32.67	8.33	100	178	A	H
													H
													H
													H
													H
		5709.32	65.12	-3.18	68.3	56.96	32.52	32.66	8.3	100	241	P	V
		5724.68	76.4	-1.9	78.3	68.2	32.53	32.66	8.33	100	241	P	V
	*	5747	111.5	-	-	103.3	32.54	32.67	8.33	100	241	P	V
	*	5747	104.78	-	-	96.58	32.54	32.67	8.33	100	241	A	V
													V
													V
													V
													V



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 157 5785MHz		5702.2	51.99	-16.31	68.3	43.82	32.52	32.65	8.3	100	177	P	H
		5723.88	52.48	-25.82	78.3	44.28	32.53	32.66	8.33	100	177	P	H
	*	5783	110.98	-	-	102.74	32.57	32.68	8.35	100	177	P	H
	*	5783	103.67	-	-	95.43	32.57	32.68	8.35	100	177	A	H
		5855.28	53.85	-24.45	78.3	45.5	32.62	32.7	8.43	100	177	P	H
		5863.12	54.57	-13.73	68.3	46.23	32.62	32.71	8.43	100	177	P	H
													H
													H
		5700.52	52.66	-15.64	68.3	44.49	32.52	32.65	8.3	100	244	P	V
		5715.24	52.51	-25.79	78.3	44.35	32.52	32.66	8.3	100	244	P	V
	*	5786	111.55	-	-	103.3	32.58	32.68	8.35	100	244	P	V
	*	5786	104.42	-	-	96.17	32.58	32.68	8.35	100	244	A	V
		5858.96	53.15	-25.15	78.3	44.81	32.62	32.71	8.43	100	244	P	V
		5889.28	51.27	-17.03	68.3	42.88	32.64	32.72	8.47	100	244	P	V
													V
													V



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 165 5825MHz	*	5828	110.84	-	-	102.54	32.6	32.69	8.39	100	179	P	H
	*	5828	105.92	-	-	97.62	32.6	32.69	8.39	100	179	A	H
		5852.48	71.74	-6.56	78.3	63.4	32.61	32.7	8.43	100	179	P	H
		5860.24	66.27	-2.03	68.3	57.93	32.62	32.71	8.43	100	179	P	H
													H
													H
													H
													H
	*	5828	113.08	-	-	104.78	32.6	32.69	8.39	100	243	P	V
	*	5828	107.35	-	-	99.05	32.6	32.69	8.39	100	243	A	V
		5851.36	72.29	-6.01	78.3	63.95	32.61	32.7	8.43	100	243	P	V
		5863.12	65.97	-2.33	68.3	57.63	32.62	32.71	8.43	100	243	P	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

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 149 5745MHz		11490	43.68	-30.32	74	53.89	40.01	62.8	12.58	100	0	P	H
		17238	48.1	-20.2	68.3	51.53	41.05	60.14	15.66	100	0	P	H
													H
													H
		11490	46	-28	74	56.21	40.01	62.8	12.58	100	0	P	V
		17232	53.08	-15.22	68.3	56.56	41.05	60.14	15.61	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	51.03	-22.97	74	61.23	39.88	62.74	12.66	100	205	P	H
		11570	44.84	-9.16	54	55.04	39.88	62.74	12.66	100	205	A	H
		17352	49.44	-18.86	68.3	52.52	41.38	60.21	15.75	100	0	P	H
													H
		11570	54.57	-19.43	74	64.77	39.88	62.74	12.66	100	243	P	V
		11570	49.65	-4.35	54	59.85	39.88	62.74	12.66	100	243	A	V
		17358	54.1	-14.2	68.3	57.14	41.38	60.21	15.79	100	0	P	V
													V
802.11n HT20 CH 165 5825MHz		11650	53.56	-20.44	74	63.77	39.75	62.69	12.73	100	178	P	H
		11650	48.65	-5.35	54	58.86	39.75	62.69	12.73	100	178	A	H
		17484	52.08	-16.22	68.3	54.69	41.75	60.29	15.93	100	0	P	H
													H
		11660	57.53	-16.47	74	67.76	39.72	62.68	12.73	100	241	P	V
		11660	50.8	-3.2	54	61.03	39.72	62.68	12.73	100	241	A	V
		17478	55.11	-13.19	68.3	57.75	41.71	60.28	15.93	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

5GHz WIFI 802.11a (LF @ 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)
5GHz 802.11a CH 149 5745MHz LF		36.48	27.95	-12.05	40	43.93	16.18	32.81	0.65			P	H
		74.28	31.18	-8.82	40	55.67	7.29	32.71	0.93	104	244	P	H
		111	31.14	-12.36	43.5	51.15	11.49	32.64	1.14			P	H
		315.4	19.28	-26.72	46	35.92	14.23	32.75	1.88			P	H
		572.3	19.36	-26.64	46	30.69	19.1	33	2.57			P	H
		874	25.09	-20.91	46	31.55	22.84	32.46	3.16			P	H
													H
													H
													H
													H
													H
													H
		35.94	35.53	-4.47	40	50.95	16.74	32.81	0.65	155	68	P	V
		74.01	35.03	-4.97	40	59.64	7.17	32.71	0.93			P	V
		93.72	30.05	-13.45	43.5	51.88	9.68	32.65	1.14			P	V
		431.6	19.28	-26.72	46	32.98	17.01	32.87	2.16			P	V
		461	19.46	-26.54	46	32.56	17.49	32.89	2.3			P	V
		834.1	28.14	-17.86	46	35.39	22.37	32.69	3.07			P	V
													V
													V
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													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

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)
5GHz 802.11a CH 157 5785MHz LF		36.21	28.14	-11.86	40	43.56	16.74	32.81	0.65			P	H
		73.74	31.14	-8.86	40	55.75	7.17	32.71	0.93	100	241	P	H
		108.57	30.74	-12.76	43.5	50.94	11.3	32.64	1.14			P	H
		314.7	19.45	-26.55	46	36.09	14.23	32.75	1.88			P	H
		344.8	18.55	-27.45	46	34.32	15.07	32.78	1.94			P	H
		904.8	24.84	-21.16	46	30.59	23.31	32.26	3.2			P	H
													H
													H
													H
													H
													H
													H
		35.94	35.58	-4.42	40	51	16.74	32.81	0.65	117	63	P	V
		80.76	33.89	-6.11	40	57.65	8	32.69	0.93			P	V
		128.01	21.9	-21.6	43.5	41.25	11.98	32.66	1.33			P	V
		315.4	17.5	-28.5	46	34.14	14.23	32.75	1.88			P	V
		599.6	21.02	-24.98	46	31.9	19.58	33.03	2.57			P	V
		843.9	23.59	-22.41	46	30.7	22.45	32.63	3.07			P	V
													V
													V
													V
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

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)
5GHz 802.11a CH 165 5825MHz LF		35.94	28.46	-11.54	40	43.88	16.74	32.81	0.65			P	H
		73.74	30.43	-9.57	40	55.04	7.17	32.71	0.93	133	353	P	H
		120.45	25.78	-17.72	43.5	45.39	11.9	32.65	1.14			P	H
		361.6	17.78	-28.22	46	33.13	15.51	32.8	1.94			P	H
		637.4	20.45	-25.55	46	30.8	20.05	33.02	2.62			P	H
		827.1	23.43	-22.57	46	30.77	22.32	32.73	3.07			P	H
													H
													H
													H
													H
													H
													H
													H
		37.02	34.18	-5.82	40	50.16	16.18	32.81	0.65	205	98	P	V
		109.38	24.7	-18.8	43.5	44.8	11.4	32.64	1.14			P	V
		255.45	15.88	-30.12	46	33.5	13.35	32.73	1.76			P	V
		316.1	17.71	-28.29	46	34.32	14.26	32.75	1.88			P	V
		727.7	21.56	-24.44	46	30.46	21.15	32.96	2.91			P	V
		977.6	26.26	-27.74	54	30.14	24.19	31.45	3.38			P	V
													V
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													V
													V
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF @ 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)
5GHz 802.11n HT20 CH 149 5745MHz LF		61.32	31.19	-8.81	40	56.85	6.16	32.75	0.93	100	163	P	H
		97.5	31.21	-12.29	43.5	52.55	10.16	32.64	1.14			P	H
		269.49	15.99	-30.01	46	33.46	13.5	32.73	1.76			P	H
		493.9	20.45	-25.55	46	32.96	18.08	32.92	2.33			P	H
		682.9	22.27	-23.73	46	32.14	20.46	33	2.67			P	H
		886.6	25.34	-20.66	46	31.51	23.01	32.38	3.2			P	H
													H
													H
													H
													H
													H
													H
		35.13	36.99	-3.01	40	51.85	17.3	32.81	0.65	101	14	P	V
		58.08	36.42	-3.58	40	61.53	6.72	32.76	0.93			P	V
		96.96	30.46	-13.04	43.5	51.92	10.04	32.64	1.14			P	V
		405.7	17.69	-28.31	46	31.79	16.59	32.85	2.16			P	V
		721.4	22.13	-23.87	46	31.25	21.03	32.97	2.82			P	V
		935.6	26.99	-19.01	46	31.61	24	31.91	3.29			P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

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)
5GHz 802.11n HT20 CH 157 5785MHz LF		63.75	31.12	-8.88	40	56.59	6.34	32.74	0.93	101	14	P	H
		78.33	30.69	-9.31	40	54.7	7.76	32.7	0.93			P	H
		128.01	25.48	-18.02	43.5	44.83	11.98	32.66	1.33			P	H
		380.5	16.19	-29.81	46	30.89	15.99	32.82	2.13			P	H
		654.9	20.91	-25.09	46	31.01	20.24	33.01	2.67			P	H
		923	25.46	-20.54	46	30.6	23.72	32.06	3.2			P	H
													H
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													H
													H
													H
													H
		35.94	35.55	-4.45	40	50.97	16.74	32.81	0.65			P	V
		59.97	36.21	-3.79	40	61.93	6.1	32.75	0.93	122	228	P	V
		96.96	29.91	-13.59	43.5	51.37	10.04	32.64	1.14			P	V
		374.2	15.33	-30.67	46	30.17	15.84	32.81	2.13			P	V
		586.3	20.02	-25.98	46	31.1	19.36	33.01	2.57			P	V
		820.8	23.09	-22.91	46	30.52	22.26	32.76	3.07			P	V
													V
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												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

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)
5GHz 802.11n HT20 CH 165 5825MHz LF		61.32	31.25	-8.75	40	56.91	6.16	32.75	0.93	100	87	P	H
		96.96	31.58	-11.92	43.5	53.04	10.04	32.64	1.14			P	H
		126.39	25.12	-18.38	43.5	44.49	11.96	32.66	1.33			P	H
		378.4	15.81	-30.19	46	30.56	15.94	32.82	2.13			P	H
		581.4	19.54	-26.46	46	30.73	19.25	33.01	2.57			P	H
		862.8	23.59	-22.41	46	30.26	22.69	32.52	3.16			P	H
													H
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		35.4	36.43	-3.57	40	51.85	16.74	32.81	0.65	198	41	P	V
		60.51	35.76	-4.24	40	61.48	6.1	32.75	0.93			P	V
		126.39	36.95	-6.55	43.5	56.32	11.96	32.66	1.33			P	V
		442.1	19.19	-26.81	46	32.72	17.18	32.87	2.16			P	V
		726.3	22.38	-23.62	46	31.3	21.13	32.96	2.91			P	V
		930	25.19	-20.81	46	30.01	23.87	31.98	3.29			P	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	P eak or A verage
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		(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”.