



Appendix B. Radiated Spurious Emission

Test Engineer :	Donny Tang	Temperature :	22~24°C
		Relative Humidity :	47~50%

15E 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		5711.08	57.61	-16.39	74	47.32	35.12	9.16	33.99	177	296	P	H
		5725	66.96	-11.34	78.3	56.66	35.13	9.16	33.99	177	296	P	H
		5698.6	44.65	-9.35	54	34.42	35.11	9.11	33.99	177	296	A	H
	*	5745	104.92	-	-	94.55	35.14	9.22	33.99	177	296	P	H
	*	5745	94.49	-	-	84.12	35.14	9.22	33.99	177	296	A	H
													H
													H
													H
		5688.2	56.96	-17.04	74	46.73	35.11	9.11	33.99	168	246	P	V
		5724.68	64.22	-14.08	78.3	53.92	35.13	9.16	33.99	168	246	P	V
		5699.4	43.37	-10.63	54	33.14	35.11	9.11	33.99	168	246	A	V
	*	5745	102.22	-	-	91.85	35.14	9.22	33.99	168	246	P	V
	*	5745	92.73	-	-	82.36	35.14	9.22	33.99	168	246	A	V
													V
													V
													V



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 157 5785MHz		5705.56	57.3	-16.7	74	47.01	35.12	9.16	33.99	168	302	P	H
		5723.16	56.69	-21.61	78.3	46.39	35.13	9.16	33.99	168	302	P	H
		5708.2	44.8	-9.2	54	34.51	35.12	9.16	33.99	168	302	A	H
	*	5785	105.38	-	-	94.89	35.17	9.32	34	168	302	P	H
	*	5785	95.32	-	-	84.83	35.17	9.32	34	168	302	A	H
		5857.52	57.67	-20.63	78.3	47.1	35.22	9.35	34	168	302	P	H
		5872.24	57.56	-16.44	74	46.97	35.23	9.36	34	168	302	P	H
		5861.92	45.16	-8.84	54	34.58	35.22	9.36	34	168	302	A	H
		5703.32	56.05	-17.95	74	45.81	35.12	9.11	33.99	168	250	P	V
		5721.56	55.62	-22.68	78.3	45.32	35.13	9.16	33.99	168	250	P	V
		5706.04	43.64	-10.36	54	33.35	35.12	9.16	33.99	168	250	A	V
	*	5785	103.21	-	-	92.72	35.17	9.32	34	168	250	P	V
	*	5785	92.8	-	-	82.31	35.17	9.32	34	168	250	A	V
		5859.92	55.8	-22.5	78.3	45.22	35.22	9.36	34	168	250	P	V
		5862.72	56.14	-17.86	74	45.56	35.22	9.36	34	168	250	P	V
		5862.24	43.88	-10.12	54	33.3	35.22	9.36	34	168	250	A	V



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 165 5825MHz	*	5825	105.42	-	-	94.88	35.2	9.34	34	100	301	P	H
	*	5825	94.52	-	-	83.98	35.2	9.34	34	100	301	A	H
		5851.36	64.33	-13.97	78.3	53.77	35.21	9.35	34	100	301	P	H
		5871.44	57.81	-16.19	74	47.22	35.23	9.36	34	100	301	P	H
		5860	44.3	-9.7	54	33.72	35.22	9.36	34	100	301	A	H
													H
													H
													H
	*	5825	103.5	-	-	92.96	35.2	9.34	34	164	258	P	V
	*	5825	92.42	-	-	81.88	35.2	9.34	34	164	258	A	V
		5851.36	62.34	-15.96	78.3	51.78	35.21	9.35	34	164	258	P	V
		5882.8	55.95	-18.05	74	45.36	35.23	9.36	34	164	258	P	V
		5881.68	43.44	-10.56	54	32.85	35.23	9.36	34	164	258	A	V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

WIFI 802.11a (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)
802.11a CH 149 5745MHz		11490	43.76	-30.24	74	49.4	38.09	14.45	58.18	100	0	P	H
		17235	47.37	-26.63	74	45.94	41.11	18.01	57.69	100	0	P	H
													H
													H
		11490	43.59	-30.41	74	49.23	38.09	14.45	58.18	100	0	P	V
		17235	47.83	-26.17	74	46.4	41.11	18.01	57.69	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11571	44.25	-29.75	74	49.68	38.2	14.58	58.21	100	0	P	H
		17355	49.46	-24.54	74	48.44	41.02	18.09	58.09	100	0	P	H
													H
													H
		11571	44.23	-29.77	74	49.66	38.2	14.58	58.21	100	0	P	V
		17355	48.01	-25.99	74	46.99	41.02	18.09	58.09	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11649	44.43	-29.57	74	49.68	38.29	14.69	58.23	100	0	P	H
		17475	47.7	-26.3	74	47.07	40.93	18.19	58.49	100	0	P	H
													H
													H
		11649	44.37	-29.63	74	49.62	38.29	14.69	58.23	100	0	P	V
		17475	47.26	-26.74	74	46.63	40.93	18.19	58.49	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**15E Band 4 5725~5850MHz****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 149 5745MHz		5689.16	56.19	-17.81	74	45.96	35.11	9.11	33.99	177	296	P	H
		5723.96	67.13	-11.17	78.3	56.83	35.13	9.16	33.99	177	296	P	H
		5699	43.83	-10.17	54	33.6	35.11	9.11	33.99	177	296	A	H
	*	5745	102.73	-	-	92.36	35.14	9.22	33.99	177	296	P	H
	*	5745	92.8	-	-	82.43	35.14	9.22	33.99	177	296	A	H
													H
													H
													H
		5686.92	54.92	-19.08	74	44.69	35.11	9.11	33.99	160	244	P	V
		5723.08	62.8	-15.5	78.3	52.5	35.13	9.16	33.99	160	244	P	V
		5698.04	42.37	-11.63	54	32.14	35.11	9.11	33.99	160	244	A	V
	*	5745	99.63	-	-	89.26	35.14	9.22	33.99	160	244	P	V
	*	5745	89.48	-	-	79.11	35.14	9.22	33.99	160	244	A	V
													V
													V
													V



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 157 5785MHz		5711	55.91	-18.09	74	45.62	35.12	9.16	33.99	169	301	P	H
		5719.16	55.25	-23.05	78.3	44.95	35.13	9.16	33.99	169	301	P	H
		5704.44	43.4	-10.6	54	33.16	35.12	9.11	33.99	169	301	A	H
	*	5785	102.51	-	-	92.02	35.17	9.32	34	169	301	P	H
	*	5785	91.98	-	-	81.49	35.17	9.32	34	169	301	A	H
		5853.68	56.76	-21.54	78.3	46.19	35.22	9.35	34	169	301	P	H
		5860.4	56.49	-17.51	74	45.91	35.22	9.36	34	169	301	P	H
		5862.24	43.65	-10.35	54	33.07	35.22	9.36	34	169	301	A	H
		5707.48	55.68	-18.32	74	45.39	35.12	9.16	33.99	161	257	P	V
		5724.12	55.29	-23.01	78.3	44.99	35.13	9.16	33.99	161	257	P	V
		5709	42.72	-11.28	54	32.43	35.12	9.16	33.99	161	257	A	V
	*	5785	101.79	-	-	91.3	35.17	9.32	34	161	257	P	V
	*	5785	90.62	-	-	80.13	35.17	9.32	34	161	257	A	V
		5854.64	55.19	-23.11	78.3	44.62	35.22	9.35	34	161	257	P	V
		5862.64	55.53	-18.47	74	44.95	35.22	9.36	34	161	257	P	V
		5862.8	42.74	-11.26	54	32.16	35.22	9.36	34	161	257	A	V



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 165 5825MHz	*	5825	102.65	-	-	92.11	35.2	9.34	34	100	299	P	H
	*	5825	92.32	-	-	81.78	35.2	9.34	34	100	299	A	H
		5850.4	57.17	-21.13	78.3	46.61	35.21	9.35	34	100	299	P	H
		5866.24	55.45	-18.55	74	44.87	35.22	9.36	34	100	299	P	H
		5881.84	43.11	-10.89	54	32.52	35.23	9.36	34	100	299	A	H
													H
													H
													H
	*	5825	101.06	-	-	90.52	35.2	9.34	34	166	259	P	V
	*	5825	90.62	-	-	80.08	35.2	9.34	34	166	259	A	V
		5850.08	55.35	-22.95	78.3	44.79	35.21	9.35	34	166	259	P	V
		5871.44	55.09	-18.91	74	44.5	35.23	9.36	34	166	259	P	V
		5880.4	42.71	-11.29	54	32.12	35.23	9.36	34	166	259	A	V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

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 149 5745MHz		11490	44.25	-29.75	74	49.89	38.09	14.45	58.18	100	0	P	H
		17235	47.1	-26.9	74	45.67	41.11	18.01	57.69	100	0	P	H
													H
													H
		11490	43.6	-30.4	74	49.24	38.09	14.45	58.18	100	0	P	V
		17235	47.01	-26.99	74	45.58	41.11	18.01	57.69	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11571	44.63	-29.37	74	50.06	38.2	14.58	58.21	100	0	P	H
		17355	46.48	-27.52	74	45.46	41.02	18.09	58.09	100	0	P	H
													H
													H
		11571	44.07	-29.93	74	49.5	38.2	14.58	58.21	100	0	P	V
		17355	47.32	-26.68	74	46.3	41.02	18.09	58.09	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11649	44.12	-29.88	74	49.37	38.29	14.69	58.23	100	0	P	H
		17475	46.64	-27.36	74	46.01	40.93	18.19	58.49	100	0	P	H
													H
													H
		11649	44.03	-29.97	74	49.28	38.29	14.69	58.23	100	0	P	V
		17475	47.17	-26.83	74	46.54	40.93	18.19	58.49	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

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 151 5755MHz		5713.56	64.69	-9.31	74	54.4	35.12	9.16	33.99	236	301	P	H
		5718.68	64.86	-13.44	78.3	54.56	35.13	9.16	33.99	236	301	P	H
		5714.6	50.58	-3.42	54	40.29	35.12	9.16	33.99	236	301	A	H
	*	5755	99.4	-	-	89.01	35.16	9.22	33.99	236	301	P	H
	*	5755	89.79	-	-	79.4	35.16	9.22	33.99	236	301	A	H
		5853.6	55.04	-23.26	78.3	44.47	35.22	9.35	34	236	301	P	H
		5868.4	53.91	-20.09	74	43.33	35.22	9.36	34	236	301	P	H
		5860.24	41.81	-12.19	54	31.23	35.22	9.36	34	236	301	A	H
		5714.92	65.38	-8.62	74	55.09	35.12	9.16	33.99	163	259	P	V
		5722.44	65.25	-13.05	78.3	54.95	35.13	9.16	33.99	163	259	P	V
		5714.52	50.63	-3.37	54	40.34	35.12	9.16	33.99	163	259	A	V
	*	5755	98.75	-	-	88.36	35.16	9.22	33.99	163	259	P	V
	*	5755	88.77	-	-	78.38	35.16	9.22	33.99	163	259	A	V
		5853.52	55.88	-22.42	78.3	45.31	35.22	9.35	34	163	259	P	V
		5860.88	53.75	-20.25	74	43.17	35.22	9.36	34	163	259	P	V
		5863.76	42.04	-11.96	54	31.46	35.22	9.36	34	163	259	A	V



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 159 5795MHz		5704.36	56.35	-17.65	74	46.11	35.12	9.11	33.99	171	295	P	H
		5724.68	58.95	-19.35	78.3	48.65	35.13	9.16	33.99	171	295	P	H
		5713.88	44.29	-9.71	54	34	35.12	9.16	33.99	171	295	A	H
	*	5795	100.65	-	-	90.15	35.18	9.32	34	171	295	P	H
	*	5795	90.58	-	-	80.08	35.18	9.32	34	171	295	A	H
		5851.36	57.85	-20.45	78.3	47.29	35.21	9.35	34	171	295	P	H
		5864	58.35	-15.65	74	47.77	35.22	9.36	34	171	295	P	H
		5862.16	45.59	-8.41	54	35.01	35.22	9.36	34	171	295	A	H
		5712.68	55.7	-18.3	74	45.41	35.12	9.16	33.99	166	264	P	V
		5722.12	57.33	-20.97	78.3	47.03	35.13	9.16	33.99	166	264	P	V
		5708.12	43.46	-10.54	54	33.17	35.12	9.16	33.99	166	264	A	V
	*	5795	98.47	-	-	87.97	35.18	9.32	34	166	264	P	V
	*	5795	88.52	-	-	78.02	35.18	9.32	34	166	264	A	V
		5850.96	57.34	-20.96	78.3	46.78	35.21	9.35	34	166	264	P	V
		5871.2	56.84	-17.16	74	46.25	35.23	9.36	34	166	264	P	V
		5861.76	44.65	-9.35	54	34.07	35.22	9.36	34	166	264	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

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 151 5755MHz		11511	43.46	-30.54	74	49.08	38.1	14.48	58.2	100	0	P	H
		17265	47.74	-26.26	74	46.43	41.09	18.03	57.81	100	0	P	H
													H
													H
		11511	43.01	-30.99	74	48.63	38.1	14.48	58.2	100	0	P	V
		17265	47.32	-26.68	74	46.01	41.09	18.03	57.81	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11589	43.35	-30.65	74	48.77	38.22	14.58	58.22	100	0	P	H
		17385	46.58	-27.42	74	45.66	40.99	18.13	58.2	100	0	P	H
													H
													H
		17385	46.96	-27.04	74	46.04	40.99	18.13	58.2	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (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)
802.11ac VHT80 CH 155 5775MHz		5711.8	64.33	-9.67	74	54.04	35.12	9.16	33.99	174	298	P	H
		5724.04	64.2	-14.1	78.3	53.9	35.13	9.16	33.99	174	298	P	H
		5711.4	47.83	-6.17	54	37.54	35.12	9.16	33.99	174	298	A	H
	*	5775	97.79	-	-	87.35	35.17	9.27	34	174	298	P	H
	*	5775	88.63	-	-	78.19	35.17	9.27	34	174	298	A	H
		5859.04	56.64	-21.66	78.3	46.06	35.22	9.36	34	174	298	P	H
		5877.76	57.35	-16.65	74	46.76	35.23	9.36	34	174	298	P	H
		5862.56	42.81	-11.19	54	32.23	35.22	9.36	34	174	298	A	H
		5690.04	62.56	-11.44	74	52.33	35.11	9.11	33.99	232	242	P	V
		5721.16	62.13	-16.17	78.3	51.83	35.13	9.16	33.99	232	242	P	V
		5711.56	45.7	-8.3	54	35.41	35.12	9.16	33.99	232	242	A	V
	*	5775	95.09	-	-	84.65	35.17	9.27	34	232	242	P	V
	*	5775	85.74	-	-	75.3	35.17	9.27	34	232	242	A	V
		5857.04	55.9	-22.4	78.3	45.33	35.22	9.35	34	232	242	P	V
		5874.96	56.43	-17.57	74	45.84	35.23	9.36	34	232	242	P	V
		5861.92	41.62	-12.38	54	31.04	35.22	9.36	34	232	242	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


15E Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (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)
802.11ac VHT80 CH 155 5775MHz		11550	43.47	-30.53	74	48.96	38.17	14.55	58.21	100	0	P	H
		17325	47.16	-26.84	74	46.02	41.05	18.07	57.98	100	0	P	H
													H
													H
		11550	43.52	-30.48	74	49.01	38.17	14.55	58.21	100	0	P	V
		17325	49.36	-24.64	74	48.22	41.05	18.07	57.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Emission below 1GHz

5GHz WIFI 802.11n HT40 (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 HT40 LF		30	16.82	-23.18	40	29.58	18.4	0.64	31.8			P	H
		105.6	21.33	-22.17	43.5	40.41	11.54	1.13	31.75			P	H
		115.86	21.07	-22.43	43.5	39.75	11.88	1.19	31.75			P	H
		765.5	22.16	-23.84	46	31.33	19.75	3.05	31.97			P	H
		865.6	23.48	-22.52	46	31.53	20.35	3.27	31.67			P	H
		949.6	24.48	-21.52	46	31.4	20.8	3.35	31.07	100	107	P	H
													H
													H
													H
													H
													H
													H
		35.4	33.84	-6.16	40	49.03	15.9	0.7	31.79	100	197	P	V
		42.96	23.17	-16.83	40	42.81	11.4	0.75	31.79			P	V
		105.06	23.17	-20.33	43.5	42.4	11.4	1.12	31.75			P	V
		827.8	22.59	-23.41	46	31.32	19.95	3.15	31.83			P	V
		884.5	23.94	-22.06	46	31.67	20.54	3.33	31.6			P	V
		935.6	23.78	-22.22	46	30.96	20.66	3.36	31.2			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	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”.