



Appendix B. Radiated Spurious Emission

Test Engineer :	Citta Ke, Kyle Jhuang, Nick Yu, and Karl Hou	Temperature :	21~22°C
		Relative Humidity :	49~50%

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		5714.12	55.19	-18.81	74	43.58	33.21	10.52	32.12	122	305	P	H
		5715.56	52.9	-25.4	78.3	41.29	33.21	10.52	32.12	122	305	P	H
		5712.28	43.37	-10.63	54	31.76	33.21	10.52	32.12	122	305	A	H
	*	5743	91.37	-	-	79.67	33.28	10.53	32.11	122	305	P	H
	*	5743	81.12	-	-	69.42	33.28	10.53	32.11	122	305	A	H
													H
													H
													H
		5693.56	54.72	-19.28	74	43.15	33.18	10.52	32.13	296	226	P	V
		5725	56.89	-21.41	78.3	45.24	33.25	10.52	32.12	296	226	P	V
		5692.68	43.88	-10.12	54	32.31	33.18	10.52	32.13	296	226	A	V
	*	5743	100.02	-	-	88.32	33.28	10.53	32.11	296	226	P	V
	*	5743	89.69	-	-	77.99	33.28	10.53	32.11	296	226	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		5712.04	53.32	-20.68	74	41.71	33.21	10.52	32.12	102	293	P	H
		5724.84	53.65	-24.65	78.3	42	33.25	10.52	32.12	102	293	P	H
		5711.32	43.32	-10.68	54	31.71	33.21	10.52	32.12	102	293	A	H
	*	5787	91.36	-	-	79.52	33.39	10.55	32.1	102	293	P	H
	*	5787	81.13	-	-	69.29	33.39	10.55	32.1	102	293	A	H
		5854.72	54.27	-24.03	78.3	42.13	33.52	10.69	32.07	102	293	P	H
		5878.08	54.11	-19.89	74	41.93	33.56	10.69	32.07	102	293	P	H
		5876	43.95	-10.05	54	31.77	33.56	10.69	32.07	102	293	A	H
		5696.28	53.85	-20.15	74	42.28	33.18	10.52	32.13	302	225	P	V
		5719.16	54.23	-24.07	78.3	42.58	33.25	10.52	32.12	302	225	P	V
		5711.96	43.41	-10.59	54	31.8	33.21	10.52	32.12	302	225	A	V
	*	5787	100.11	-	-	88.27	33.39	10.55	32.1	302	225	P	V
	*	5787	89.58	-	-	77.74	33.39	10.55	32.1	302	225	A	V
		5850.64	53.6	-24.7	78.3	41.5	33.49	10.69	32.08	302	225	P	V
		5888	54.75	-19.25	74	42.47	33.59	10.75	32.06	302	225	P	V
		5884	43.96	-10.04	54	31.78	33.56	10.69	32.07	302	225	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	*	5823	91	-	-	79.01	33.46	10.62	32.09	107	294	P	H
	*	5823	81.05	-	-	69.06	33.46	10.62	32.09	107	294	A	H
		5853.92	53.57	-24.73	78.3	41.43	33.52	10.69	32.07	107	294	P	H
		5875.28	54.62	-19.38	74	42.44	33.56	10.69	32.07	107	294	P	H
		5888	43.94	-10.06	54	31.66	33.59	10.75	32.06	107	294	A	H
													H
													H
													H
	*	5823	100.31	-	-	88.32	33.46	10.62	32.09	224	227	P	V
	*	5823	90.12	-	-	78.13	33.46	10.62	32.09	224	227	A	V
		5851.76	54.64	-23.66	78.3	42.54	33.49	10.69	32.08	224	227	P	V
		5886.64	54.26	-19.74	74	42.02	33.56	10.75	32.07	224	227	P	V
		5877.92	44.18	-9.82	54	32	33.56	10.69	32.07	224	227	A	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	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	43.57	-30.43	74	49.31	36.19	14.98	56.91	100	0	P	H
		17235	48.17	-25.83	74	44.94	41.87	19.07	57.71	100	0	P	H
													H
													H
		11490	43.19	-30.81	74	48.93	36.19	14.98	56.91	100	0	P	V
		17235	48.33	-25.67	74	45.1	41.87	19.07	57.71	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11571	43.87	-30.13	74	49.63	36.12	15.03	56.91	100	0	P	H
		17355	49.02	-24.98	74	45.9	42.06	19.07	58.01	100	0	P	H
													H
													H
		11571	43.2	-30.8	74	48.96	36.12	15.03	56.91	100	0	P	V
		17355	48.31	-25.69	74	45.19	42.06	19.07	58.01	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11649	43.79	-30.21	74	49.6	36.03	15.09	56.93	100	0	P	H
		17475	48.38	-25.62	74	45.38	42.25	19.06	58.31	100	0	P	H
													H
													H
		11649	43.63	-30.37	74	49.44	36.03	15.09	56.93	100	0	P	V
		17475	47.9	-26.1	74	44.9	42.25	19.06	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.												



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		5687.96	53.75	-20.25	74	42.18	33.18	10.52	32.13	100	294	P	H
		5719.4	54.25	-24.05	78.3	42.6	33.25	10.52	32.12	100	294	P	H
		5693.16	43.4	-10.6	54	31.83	33.18	10.52	32.13	100	294	A	H
	*	5743	91.17	-	-	79.47	33.28	10.53	32.11	100	294	P	H
	*	5743	80.98	-	-	69.28	33.28	10.53	32.11	100	294	A	H
													H
													H
													H
		5696.76	53.74	-20.26	74	42.17	33.18	10.52	32.13	296	255	P	V
		5724.68	58.57	-19.73	78.3	46.92	33.25	10.52	32.12	296	255	P	V
		5692.6	43.63	-10.37	54	32.06	33.18	10.52	32.13	296	255	A	V
	*	5743	96.15	-	-	84.45	33.28	10.53	32.11	296	255	P	V
	*	5743	86.41	-	-	74.71	33.28	10.53	32.11	296	255	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)	(dB μ V/m)	(dB)	(dB μ V/m)	(dB μ V)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 157 5785MHz		5695.48	53.63	-20.37	74	42.06	33.18	10.52	32.13	100	295	P	H
		5717.64	52.99	-25.31	78.3	41.34	33.25	10.52	32.12	100	295	P	H
		5714.92	43.36	-10.64	54	31.75	33.21	10.52	32.12	100	295	A	H
	*	5787	91.18	-	-	79.34	33.39	10.55	32.1	100	295	P	H
	*	5787	81.71	-	-	69.87	33.39	10.55	32.1	100	295	A	H
		5856.24	53.57	-24.73	78.3	41.43	33.52	10.69	32.07	100	295	P	H
		5889.04	54.17	-19.83	74	41.89	33.59	10.75	32.06	100	295	P	H
		5888.32	43.97	-10.03	54	31.69	33.59	10.75	32.06	100	295	A	H
		5702.52	53.48	-20.52	74	41.87	33.21	10.52	32.12	226	212	P	V
		5722.52	53.81	-24.49	78.3	42.16	33.25	10.52	32.12	226	212	P	V
		5713.24	43.38	-10.62	54	31.77	33.21	10.52	32.12	226	212	A	V
	*	5787	96.28	-	-	84.44	33.39	10.55	32.1	226	212	P	V
	*	5787	85.95	-	-	74.11	33.39	10.55	32.1	226	212	A	V
		5859.92	53.51	-24.79	78.3	41.37	33.52	10.69	32.07	226	212	P	V
		5881.84	53.96	-20.04	74	41.78	33.56	10.69	32.07	226	212	P	V
		5888.56	43.97	-10.03	54	31.69	33.59	10.75	32.06	226	212	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	*	5823	90.92	-	-	78.93	33.46	10.62	32.09	100	294	P	H
	*	5823	80.93	-	-	68.94	33.46	10.62	32.09	100	294	A	H
		5850.64	54.34	-23.96	78.3	42.24	33.49	10.69	32.08	100	294	P	H
		5862.16	53.83	-20.17	74	41.69	33.52	10.69	32.07	100	294	P	H
		5888.96	44	-10	54	31.72	33.59	10.75	32.06	100	294	A	H
													H
													H
													H
	*	5823	97.04	-	-	85.05	33.46	10.62	32.09	224	213	P	V
	*	5823	86.71	-	-	74.72	33.46	10.62	32.09	224	213	A	V
		5851.28	54.18	-24.12	78.3	42.08	33.49	10.69	32.08	224	213	P	V
		5867.12	54.32	-19.68	74	42.18	33.52	10.69	32.07	224	213	P	V
		5877.04	44.14	-9.86	54	31.96	33.56	10.69	32.07	224	213	A	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 802.11n 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	42.96	-31.04	74	48.7	36.19	14.98	56.91	100	0	P	H
		17235	49.05	-24.95	74	45.82	41.87	19.07	57.71	100	0	P	H
													H
													H
		11490	43.71	-30.29	74	49.45	36.19	14.98	56.91	100	0	P	V
		17235	47.95	-26.05	74	44.72	41.87	19.07	57.71	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11571	43.6	-30.4	74	49.36	36.12	15.03	56.91	100	0	P	H
		17355	48.19	-25.81	74	45.07	42.06	19.07	58.01	100	0	P	H
													H
													H
		11571	43.47	-30.53	74	49.23	36.12	15.03	56.91	100	0	P	V
		17355	49.32	-24.68	74	46.2	42.06	19.07	58.01	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11649	43.88	-30.12	74	49.69	36.03	15.09	56.93	100	0	P	H
		17475	48.41	-25.59	74	45.41	42.25	19.06	58.31	100	0	P	H
													H
													H
		11649	44.41	-29.59	74	50.22	36.03	15.09	56.93	100	0	P	V
		17475	48.13	-25.87	74	45.13	42.25	19.06	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.												



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		5708.84	54.1	-19.9	74	42.49	33.21	10.52	32.12	102	293	P	H
		5722.52	57.63	-20.67	78.3	45.98	33.25	10.52	32.12	102	293	P	H
		5713.72	43.61	-10.39	54	32	33.21	10.52	32.12	102	293	A	H
	*	5757	88.72	-	-	76.98	33.32	10.53	32.11	102	293	P	H
	*	5757	78.89	-	-	67.15	33.32	10.53	32.11	102	293	A	H
		5853.2	53.59	-24.71	78.3	41.49	33.49	10.69	32.08	102	293	P	H
		5864.32	54.75	-19.25	74	42.61	33.52	10.69	32.07	102	293	P	H
		5887.44	44.13	-9.87	54	31.89	33.56	10.75	32.07	102	293	A	H
		5712.6	53.92	-20.08	74	42.31	33.21	10.52	32.12	372	253	P	V
		5723.96	58.6	-19.7	78.3	46.95	33.25	10.52	32.12	372	253	P	V
		5711	43.69	-10.31	54	32.08	33.21	10.52	32.12	372	253	A	V
	*	5757	92.81	-	-	81.07	33.32	10.53	32.11	372	253	P	V
	*	5757	82.28	-	-	70.54	33.32	10.53	32.11	372	253	A	V
		5856.08	53.58	-24.72	78.3	41.44	33.52	10.69	32.07	372	253	P	V
		5882.32	54.03	-19.97	74	41.85	33.56	10.69	32.07	372	253	P	V
		5879.04	44.11	-9.89	54	31.93	33.56	10.69	32.07	372	253	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		5692.12	54.2	-19.8	74	42.63	33.18	10.52	32.13	306	243	P	H
		5723.16	53.48	-24.82	78.3	41.83	33.25	10.52	32.12	306	243	P	H
		5714.04	43.52	-10.48	54	31.91	33.21	10.52	32.12	306	243	A	H
	*	5793	95	-	-	83.16	33.39	10.55	32.1	306	243	P	H
	*	5793	83.99	-	-	72.15	33.39	10.55	32.1	306	243	A	H
		5852.16	54.38	-23.92	78.3	42.28	33.49	10.69	32.08	306	243	P	H
		5868.56	54.08	-19.92	74	41.94	33.52	10.69	32.07	306	243	P	H
		5880	44.22	-9.78	54	32.04	33.56	10.69	32.07	306	243	A	H
		5709.56	54.31	-19.69	74	42.7	33.21	10.52	32.12	305	243	P	V
		5719.88	53.74	-24.56	78.3	42.09	33.25	10.52	32.12	305	243	P	V
		5713.08	43.55	-10.45	54	31.94	33.21	10.52	32.12	305	243	A	V
	*	5793	94.7	-	-	82.86	33.39	10.55	32.1	305	243	P	V
	*	5793	83.86	-	-	72.02	33.39	10.55	32.1	305	243	A	V
		5858	54.86	-23.44	78.3	42.72	33.52	10.69	32.07	305	243	P	V
		5862.56	54.05	-19.95	74	41.91	33.52	10.69	32.07	305	243	P	V
		5887.6	44.17	-9.83	54	31.89	33.59	10.75	32.06	305	243	A	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 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		11510	43.3	-30.7	74	49.02	36.2	14.98	56.9	100	0	P	H
		17268	49.42	-24.58	74	46.21	41.93	19.07	57.79	100	0	P	H
													H
													H
		11510	44.1	-29.9	74	49.82	36.2	14.98	56.9	100	0	P	V
		17268	49.2	-24.8	74	45.99	41.93	19.07	57.79	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	44.3	-29.7	74	50.09	36.1	15.03	56.92	100	0	P	H
		17388	49.41	-24.59	74	46.33	42.11	19.07	58.1	100	0	P	H
													H
													H
		11590	43.61	-30.39	74	49.4	36.1	15.03	56.92	100	0	P	V
		17388	49.15	-24.85	74	46.07	42.11	19.07	58.1	100	0	P	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 802.11ac VHT80 (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)
802.11ac VHT80 CH 155 5775MHz		5713.32	54.2	-19.8	74	42.59	33.21	10.52	32.12	103	282	P	H
		5724.68	53.39	-24.91	78.3	41.74	33.25	10.52	32.12	103	282	P	H
		5714.84	44.15	-9.85	54	32.54	33.21	10.52	32.12	103	282	A	H
	*	5773	84.99	-	-	73.19	33.35	10.55	32.1	103	282	P	H
	*	5773	75.89	-	-	64.09	33.35	10.55	32.1	103	282	A	H
		5850.48	53.83	-24.47	78.3	41.73	33.49	10.69	32.08	103	282	P	H
		5866.88	54.24	-19.76	74	42.1	33.52	10.69	32.07	103	282	P	H
		5884.48	44.58	-9.42	54	32.4	33.56	10.69	32.07	103	282	A	H
		5707.88	54.27	-19.73	74	42.66	33.21	10.52	32.12	152	220	P	V
		5724.92	54.61	-23.69	78.3	42.96	33.25	10.52	32.12	152	220	P	V
		5712.44	44.25	-9.75	54	32.64	33.21	10.52	32.12	152	220	A	V
	*	5769	88.86	-	-	77.06	33.35	10.55	32.1	152	220	P	V
	*	5769	79.92	-	-	68.12	33.35	10.55	32.1	152	220	A	V
		5854.8	54.69	-23.61	78.3	42.55	33.52	10.69	32.07	152	220	P	V
		5869.12	54.13	-19.87	74	41.99	33.52	10.69	32.07	152	220	P	V
		5888.24	44.59	-9.41	54	32.31	33.59	10.75	32.06	152	220	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 4 5725~5850MHz****WIFI 802.11ac VHT80 (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)
802.11ac VHT80 CH 155 5775MHz		11550	44.49	-29.51	74	50.25	36.14	15.01	56.91	100	0	P	H
		17328	48.59	-25.41	74	45.43	42.01	19.07	57.92	100	0	P	H
													H
													H
		11550	43.31	-30.69	74	49.07	36.14	15.01	56.91	100	0	P	V
		17328	49.25	-24.75	74	46.09	42.01	19.07	57.92	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

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		106.41	33.85	-9.65	43.5	52.06	10.72	1.48	30.41	165	58	P	H
		166.62	29.19	-14.31	43.5	48.08	9.76	1.71	30.36			P	H
		254.37	17.18	-28.82	46	32.27	13	2.14	30.23			P	H
		431.6	25.8	-20.2	46	36.14	16.92	2.68	29.94			P	H
		514.9	18.47	-27.53	46	27.19	18.1	2.96	29.78			P	H
		813.8	23.92	-22.08	46	27.07	22.42	3.78	29.35			P	H
													H
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		72.66	23.02	-16.98	40	45.59	6.64	1.22	30.43	100	66	P	V
		166.89	25.59	-17.91	43.5	44.48	9.76	1.71	30.36			P	V
		250.05	14.97	-31.03	46	30.67	12.4	2.14	30.24			P	V
		431.6	24.1	-21.9	46	34.44	16.92	2.68	29.94			P	V
		654.2	21.75	-24.25	46	27.56	20.35	3.37	29.53			P	V
		860.7	24.2	-21.8	46	26.49	23.1	3.84	29.23			P	V
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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	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”.