



Appendix B. Radiated Spurious Emission

Test Engineer :	J.C. Liang, Ricky Su, and Nick Yu	Temperature :	23~25°C
		Relative Humidity :	55~60%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	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		5712.84	63.58	-10.42	74	53.61	32.29	11.84	34.16	357	235	P	H
		5723	71.55	-6.75	78.3	61.56	32.31	11.84	34.16	357	235	P	H
		5712.68	52.35	-1.65	54	42.38	32.29	11.84	34.16	357	235	A	H
	*	5743	118.32	-	-	108.28	32.34	11.86	34.16	357	235	P	H
	*	5743	108.4	-	-	98.36	32.34	11.86	34.16	357	235	A	H
													H
													H
													H
		5711.88	59.47	-14.53	74	49.5	32.29	11.84	34.16	313	238	P	V
		5724.92	63.6	-14.7	78.3	53.61	32.31	11.84	34.16	313	238	P	V
		5714.92	48.74	-5.26	54	38.77	32.29	11.84	34.16	313	238	A	V
	*	5743	111.67	-	-	101.63	32.34	11.86	34.16	313	238	P	V
	*	5743	101.87	-	-	91.83	32.34	11.86	34.16	313	238	A	V
													V
													V
													V



WIFI Ant. 1+2	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		5713.88	62.66	-11.34	74	52.69	32.29	11.84	34.16	266	234	P	H
		5724.6	61.21	-17.09	78.3	51.22	32.31	11.84	34.16	266	234	P	H
		5712.2	50.71	-3.29	54	40.74	32.29	11.84	34.16	266	234	A	H
	*	5785	120.07	-	-	109.97	32.39	11.88	34.17	266	234	P	H
	*	5785	111	-	-	100.9	32.39	11.88	34.17	266	234	A	H
		5850.72	59.87	-18.43	78.3	49.53	32.48	12.03	34.17	266	234	P	H
		5883.92	60.82	-13.18	74	50.3	32.53	12.17	34.18	266	234	P	H
		5881.92	48.85	-5.15	54	38.33	32.53	12.17	34.18	266	234	A	H
		5700.2	60.85	-13.15	74	50.9	32.27	11.84	34.16	323	212	P	V
		5715.08	59.88	-18.42	78.3	49.91	32.29	11.84	34.16	323	212	P	V
		5688.12	48.15	-5.85	54	38.22	32.27	11.82	34.16	323	212	A	V
	*	5785	116.03	-	-	105.93	32.39	11.88	34.17	323	212	P	V
	*	5785	106.89	-	-	96.79	32.39	11.88	34.17	323	212	A	V
		5859.36	58.63	-19.67	78.3	48.27	32.51	12.03	34.18	323	212	P	V
		5867.12	59.76	-14.24	74	49.26	32.51	12.17	34.18	323	212	P	V
		5876	47.61	-6.39	54	37.09	32.53	12.17	34.18	323	212	A	V



WIFI Ant. 1+2	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	*	5823	119.07	-	-	108.75	32.46	12.03	34.17	262	233	P	H
	*	5823	109.49	-	-	99.17	32.46	12.03	34.17	262	233	A	H
		5852.08	69.83	-8.47	78.3	59.49	32.48	12.03	34.17	262	233	P	H
		5863.92	63.31	-10.69	74	52.81	32.51	12.17	34.18	262	233	P	H
		5863.84	50.22	-3.78	54	39.72	32.51	12.17	34.18	262	233	A	H
													H
													H
													H
	*	5823	114.54	-	-	104.22	32.46	12.03	34.17	310	177	P	V
	*	5823	104.93	-	-	94.61	32.46	12.03	34.17	310	177	A	V
		5850.24	65.29	-13.01	78.3	54.95	32.48	12.03	34.17	310	177	P	V
		5860.56	59.87	-14.13	74	49.37	32.51	12.17	34.18	310	177	P	V
		5860	48.27	-5.73	54	37.91	32.51	12.03	34.18	310	177	A	V
													V
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													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+2	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	58.95	-15.05	74	58.22	40.11	18.4	57.78	243	121	P	H
		11490	49.22	-4.78	54	48.49	40.11	18.4	57.78	243	121	A	H
		17232	53.44	-20.56	74	45.79	41.65	23.14	57.14	376	324	P	H
		17232	41.67	-12.33	54	34.02	41.65	23.14	57.14	376	324	A	H
		11490	58.68	-15.32	74	57.95	40.11	18.4	57.78	240	342	P	V
		11490	45.62	-8.38	54	44.89	40.11	18.4	57.78	240	342	A	V
		17232	49.73	-24.27	74	42.08	41.65	23.14	57.14	100	0	P	V
													V
802.11a CH 157 5785MHz		11570	65.65	-8.35	74	65.01	39.95	18.49	57.8	209	128	P	H
		11570	53.16	-0.84	54	52.52	39.95	18.49	57.8	209	128	A	H
		17355	60.49	-13.51	74	52.78	42.02	23.25	57.56	201	31	P	H
		17355	47.01	-6.99	54	39.3	42.02	23.25	57.56	201	31	A	H
		11570	64.17	-9.83	74	63.53	39.95	18.49	57.8	255	154	P	V
		11570	51.05	-2.95	54	50.41	39.95	18.49	57.8	255	154	A	V
		17355	53.29	-20.71	74	45.58	42.02	23.25	57.56	300	37	P	V
		17355	40.38	-13.62	54	32.67	42.02	23.25	57.56	300	37	A	V
802.11a CH 165 5825MHz		11650	66.03	-7.97	74	65.45	39.8	18.58	57.8	204	129	P	H
		11650	53.55	-0.45	54	52.97	39.8	18.58	57.8	204	129	A	H
		17475	57.86	-16.14	74	50.09	42.39	23.36	57.98	200	14	P	H
		17475	45.22	-8.78	54	37.45	42.39	23.36	57.98	200	14	A	H
		11655	62.94	-11.06	74	62.4	39.76	18.58	57.8	251	156	P	V
		11655	50.15	-3.85	54	49.61	39.76	18.58	57.8	251	156	A	V
		17472	50.14	-23.86	74	42.37	42.39	23.36	57.98	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 802.11ac VHT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 VHT20 CH 149 5745MHz		5712.04	65.27	-8.73	74	55.3	32.29	11.84	34.16	267	236	P	H
		5724.84	68.68	-9.62	78.3	58.69	32.31	11.84	34.16	267	236	P	H
		5713.16	52.51	-1.49	54	42.54	32.29	11.84	34.16	267	236	A	H
	*	5747	118.02	-	-	107.98	32.34	11.86	34.16	267	236	P	H
	*	5747	108.04	-	-	98	32.34	11.86	34.16	267	236	A	H
													H
													H
													H
		5711	60.97	-13.03	74	51	32.29	11.84	34.16	329	220	P	V
		5724.68	63.56	-14.74	78.3	53.57	32.31	11.84	34.16	329	220	P	V
		5713	49.4	-4.6	54	39.43	32.29	11.84	34.16	329	220	A	V
	*	5747	112.71	-	-	102.67	32.34	11.86	34.16	329	220	P	V
	*	5747	103.29	-	-	93.25	32.34	11.86	34.16	329	220	A	V
													V
													V
													V



WIFI Ant. 1+2	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 VHT20 CH 157 5785MHz		5697.16	62.23	-11.77	74	52.3	32.27	11.82	34.16	266	236	P	H
		5722.92	63.34	-14.96	78.3	53.35	32.31	11.84	34.16	266	236	P	H
		5700.44	50.97	-3.03	54	41.02	32.27	11.84	34.16	266	236	A	H
	*	5785	121.03	-	-	110.93	32.39	11.88	34.17	266	236	P	H
	*	5785	111.19	-	-	101.09	32.39	11.88	34.17	266	236	A	H
		5855.28	60.29	-18.01	78.3	49.93	32.51	12.03	34.18	266	236	P	H
		5880.16	60.19	-13.81	74	49.67	32.53	12.17	34.18	266	236	P	H
		5886.56	49.11	-4.89	54	38.59	32.53	12.17	34.18	266	236	A	H
		5690.28	59.9	-14.1	74	49.97	32.27	11.82	34.16	323	212	P	V
		5718.68	59.34	-18.96	78.3	49.35	32.31	11.84	34.16	323	212	P	V
		5711.32	48.32	-5.68	54	38.35	32.29	11.84	34.16	323	212	A	V
	*	5785	116.43	-	-	106.33	32.39	11.88	34.17	323	212	P	V
	*	5785	106.28	-	-	96.18	32.39	11.88	34.17	323	212	A	V
		5851.76	59.59	-18.71	78.3	49.25	32.48	12.03	34.17	323	212	P	V
		5870.8	58.95	-15.05	74	48.43	32.53	12.17	34.18	323	212	P	V
		5864.88	47.69	-6.31	54	37.19	32.51	12.17	34.18	323	212	A	V



WIFI Ant. 1+2	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 VHT20 CH 165 5825MHz	*	5827	118.53	-	-	108.21	32.46	12.03	34.17	271	235	P	H
	*	5827	108.74	-	-	98.42	32.46	12.03	34.17	271	235	A	H
		5851.68	71.68	-6.62	78.3	61.34	32.48	12.03	34.17	271	235	P	H
		5860.4	62.3	-11.7	74	51.8	32.51	12.17	34.18	271	235	P	H
		5865.44	49.56	-4.44	54	39.06	32.51	12.17	34.18	271	235	A	H
													H
													H
													H
	*	5827	114.59	-	-	104.27	32.46	12.03	34.17	316	219	P	V
	*	5827	104.53	-	-	94.21	32.46	12.03	34.17	316	219	A	V
		5851.52	66.43	-11.87	78.3	56.09	32.48	12.03	34.17	316	219	P	V
		5860.96	61.91	-12.09	74	51.41	32.51	12.17	34.18	316	219	P	V
		5864.64	47.7	-6.3	54	37.2	32.51	12.17	34.18	316	219	A	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 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	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 VHT20 CH 149 5745MHz		11490	61.24	-12.76	74	60.51	40.11	18.4	57.78	200	132	P	H
		11490	47.95	-6.05	54	47.22	40.11	18.4	57.78	200	132	A	H
		17235	57.77	-16.23	74	50.12	41.65	23.14	57.14	200	12	P	H
		17235	43.82	-10.18	54	36.17	41.65	23.14	57.14	200	12	A	H
		11490	59.07	-14.93	74	58.34	40.11	18.4	57.78	265	154	P	V
		11490	46.39	-7.61	54	45.66	40.11	18.4	57.78	265	154	A	V
		17235	49.44	-24.56	74	41.79	41.65	23.14	57.14	100	0	P	V
													V
802.11ac VHT20 CH 157 5785MHz		11570	66.6	-7.4	74	65.96	39.95	18.49	57.8	195	131	P	H
		11570	53.45	-0.55	54	52.81	39.95	18.49	57.8	195	131	A	H
		17355	59.76	-14.24	74	52.05	42.02	23.25	57.56	200	14	P	H
		17355	47.02	-6.98	54	39.31	42.02	23.25	57.56	200	14	A	H
		11570	64.04	-9.96	74	63.4	39.95	18.49	57.8	265	155	P	V
		11570	50.45	-3.55	54	49.81	39.95	18.49	57.8	265	155	A	V
		17352	50.9	-23.1	74	43.19	42.02	23.25	57.56	100	0	P	V
													V
802.11ac VHT20 CH 165 5825MHz		11650	67.38	-6.62	74	66.8	39.8	18.58	57.8	200	131	P	H
		11650	53.06	-0.94	54	52.48	39.8	18.58	57.8	200	131	A	H
		17475	57.75	-16.25	74	49.98	42.39	23.36	57.98	200	12	P	H
		17475	45.34	-8.66	54	37.57	42.39	23.36	57.98	200	12	A	H
		11650	63.64	-10.36	74	63.06	39.8	18.58	57.8	260	154	P	V
		11650	49.7	-4.3	54	49.12	39.8	18.58	57.8	260	154	A	V
		17475	50.61	-23.39	74	42.84	42.39	23.36	57.98	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 802.11ac VHT40 (Band Edge @ 3m)**

WIFI Ant. 1+2	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 VHT40 CH 151 5755MHz		5715	61.68	-12.32	74	51.71	32.29	11.84	34.16	268	235	P	H
		5723.88	72.6	-5.7	78.3	62.61	32.31	11.84	34.16	268	235	P	H
		5715	51.75	-2.25	54	41.78	32.29	11.84	34.16	268	235	A	H
	*	5753	112.77	-	-	102.72	32.36	11.86	34.17	268	235	P	H
	*	5753	102.67	-	-	92.62	32.36	11.86	34.17	268	235	A	H
		5850.4	57.99	-20.31	78.3	47.65	32.48	12.03	34.17	268	235	P	H
		5876.16	58.62	-15.38	74	48.1	32.53	12.17	34.18	268	235	P	H
		5879.12	47.55	-6.45	54	37.03	32.53	12.17	34.18	268	235	A	H
		5712.52	60.02	-13.98	74	50.05	32.29	11.84	34.16	334	175	P	V
		5724.52	69.26	-9.04	78.3	59.27	32.31	11.84	34.16	334	175	P	V
		5705.96	49.21	-4.79	54	39.24	32.29	11.84	34.16	334	175	A	V
	*	5753	108.27	-	-	98.22	32.36	11.86	34.17	334	175	P	V
	*	5753	98.67	-	-	88.62	32.36	11.86	34.17	334	175	A	V
		5856.64	57.78	-20.52	78.3	47.42	32.51	12.03	34.18	334	175	P	V
		5862.16	57.8	-16.2	74	47.3	32.51	12.17	34.18	334	175	P	V
		5871.52	47.39	-6.61	54	36.87	32.53	12.17	34.18	334	175	A	V



WIFI Ant. 1+2	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 VHT40 CH 159 5795MHz		5714.68	63.29	-10.71	74	53.32	32.29	11.84	34.16	260	234	P	H
		5724.12	63.89	-14.41	78.3	53.9	32.31	11.84	34.16	260	234	P	H
		5713.32	52.67	-1.33	54	42.7	32.29	11.84	34.16	260	234	A	H
	*	5793	118.4	-	-	108.28	32.41	11.88	34.17	260	234	P	H
	*	5793	108.56	-	-	98.44	32.41	11.88	34.17	260	234	A	H
		5851.2	68.8	-9.5	78.3	58.46	32.48	12.03	34.17	260	234	P	H
		5867.52	64.96	-9.04	74	54.46	32.51	12.17	34.18	260	234	P	H
		5868.32	53.07	-0.93	54	42.57	32.51	12.17	34.18	260	234	A	H
		5711.88	61.18	-12.82	74	51.21	32.29	11.84	34.16	247	170	P	V
		5724.28	61.4	-16.9	78.3	51.41	32.31	11.84	34.16	247	170	P	V
		5712.28	50.12	-3.88	54	40.15	32.29	11.84	34.16	247	170	A	V
	*	5793	115.3	-	-	105.18	32.41	11.88	34.17	247	170	P	V
	*	5793	105.9	-	-	95.78	32.41	11.88	34.17	247	170	A	V
		5850.16	65.94	-12.36	78.3	55.6	32.48	12.03	34.17	247	170	P	V
		5865.44	61.29	-12.71	74	50.79	32.51	12.17	34.18	247	170	P	V
		5869.52	50.67	-3.33	54	40.17	32.51	12.17	34.18	247	170	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	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 VHT40 CH 151 5755MHz		11510	55.35	-18.65	74	54.6	40.1	18.45	57.8	200	131	P	H
		11510	43.28	-10.72	54	42.53	40.1	18.45	57.8	200	131	A	H
		17265	49.35	-24.65	74	41.69	41.75	23.17	57.26	100	0	P	H
		11510	50.25	-23.75	74	49.5	40.1	18.45	57.8	100	0	P	H
		17265	49.42	-24.58	74	41.76	41.75	23.17	57.26	100	0	P	V
													V
													V
													V
802.11ac VHT40 CH 159 5795MHz		11590	65.8	-8.2	74	65.15	39.91	18.54	57.8	200	130	P	H
		11590	52.78	-1.22	54	52.13	39.91	18.54	57.8	200	130	A	H
		17385	57.34	-16.66	74	49.6	42.13	23.29	57.68	200	15	P	H
		17385	45.16	-8.84	54	37.42	42.13	23.29	57.68	200	15	A	H
		11590	61.93	-12.07	74	61.28	39.91	18.54	57.8	250	153	P	V
		11590	49.18	-4.82	54	48.53	39.91	18.54	57.8	250	153	A	V
		17385	49.46	-24.54	74	41.72	42.13	23.29	57.68	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	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		5714.84	66.9	-1.4	68.3	56.93	32.29	11.84	34.16	368	238	P	H
		5724.36	72.68	-5.62	78.3	62.69	32.31	11.84	34.16	368	238	P	H
	*	5773	105.16	-	-	95.08	32.39	11.86	34.17	368	238	P	H
	*	5773	96.89	-	-	86.81	32.39	11.86	34.17	368	238	A	H
		5857.12	60.17	-18.13	78.3	49.81	32.51	12.03	34.18	368	238	P	H
		5880.32	59.29	-9.01	68.3	48.77	32.53	12.17	34.18	368	238	P	H
													H
													H
		5713	65.36	-2.94	68.3	55.39	32.29	11.84	34.16	328	209	P	V
		5724.12	69.76	-8.54	78.3	59.77	32.31	11.84	34.16	328	209	P	V
	*	5773	102.74	-	-	92.66	32.39	11.86	34.17	328	209	P	V
	*	5773	91.32	-	-	81.24	32.39	11.86	34.17	328	209	A	V
		5850.72	59.03	-19.27	78.3	48.69	32.48	12.03	34.17	328	209	P	V
		5861.04	58.36	-9.94	68.3	47.86	32.51	12.17	34.18	328	209	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 (Harmonic @ 3m)**

WIFI Ant. 1+2	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	47.08	-26.92	74	46.4	39.99	18.49	57.8	100	0	P	H
		17325	49.61	-24.39	74	41.93	41.91	23.21	57.44	100	0	P	H
													H
													H
		11550	46.89	-27.11	74	46.21	39.99	18.49	57.8	100	0	P	V
		17325	49.32	-24.68	74	41.64	41.91	23.21	57.44	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 802.11a Adapter mode (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		94.26	37.06	-6.44	43.5	51.14	15.28	1.06	30.42			P	H
		100.2	37.55	-5.95	43.5	50.53	16	1.43	30.41	117	48	P	H
		150.69	31.65	-11.85	43.5	42.75	17.5	1.75	30.35			P	H
		374.9	31.7	-14.3	46	37.71	21.61	2.44	30.06			P	H
		624.8	35.53	-10.47	46	35.85	25.69	3.61	29.62			P	H
		836.9	34.28	-11.72	46	30.95	28.4	4.28	29.35			P	H
													H
													H
													H
													H
													H
													H
		40.26	36.3	-3.7	40	46.12	19.74	0.78	30.34	100	92	QP	V
		56.73	36.41	-3.59	40	53.36	12.73	0.78	30.46			P	V
		74.01	35.53	-4.47	40	52.1	12.81	1.06	30.44			P	V
		328	27.93	-18.07	46	35.37	20.34	2.34	30.12			P	V
		624.8	33.75	-12.25	46	34.07	25.69	3.61	29.62			P	V
		836.9	34.47	-11.53	46	31.14	28.4	4.28	29.35			P	V
													V
													V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

5GHz WIFI 802.11a POE mode (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		72.66	28.21	-11.79	40	44.91	12.68	1.06	30.44	100	45	P	H
		94.8	29.39	-14.11	43.5	43.35	15.4	1.06	30.42			P	H
		112.08	30.61	-12.89	43.5	42.34	17.24	1.43	30.4			P	H
		374.9	26.78	-19.22	46	32.79	21.61	2.44	30.06			P	H
		800.5	29.63	-16.37	46	27.09	27.8	4.14	29.4			P	H
		940.5	33.05	-12.95	46	27.38	30.05	4.75	29.13			P	H
													H
													H
													H
													H
													H
													H
		38.37	36.8	-3.2	40	45.47	20.86	0.78	30.31	100	122	P	V
		49.17	32.39	-7.61	40	46.75	15.33	0.78	30.47			P	V
		73.74	32.04	-7.96	40	48.61	12.81	1.06	30.44			P	V
		374.9	27.59	-18.41	46	33.6	21.61	2.44	30.06			P	V
		500.2	27.01	-18.99	46	29.63	24	3.19	29.81			P	V
		736.1	29.2	-16.8	46	27.51	27.27	3.89	29.47			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	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+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”.