



Appendix B. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Derreck Chen, and James Chiu	Temperature :	21~24°C
		Relative Humidity :	50~54%

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5649	50.17	-18.13	68.3	37.96	35.53	11.95	35.27	255	297	P	H
		5699.6	53.18	-51.83	105.01	40.92	35.54	12	35.28	255	297	P	H
		5719.4	61.09	-49.64	110.73	48.77	35.54	12.06	35.28	255	297	P	H
		5725	75.3	-47	122.3	62.98	35.54	12.06	35.28	255	297	P	H
		5745	113.08	-9.22	122.3	100.71	35.55	12.11	35.29	255	297	P	H
		5745	105.92	-	-	93.55	35.55	12.11	35.29	255	297	A	H
													H
													H
		5638.8	51.18	-17.12	68.3	38.97	35.53	11.95	35.27	128	356	P	V
		5696	57.55	-44.8	102.35	45.29	35.54	12	35.28	128	356	P	V
		5718.6	61.33	-49.18	110.51	49.01	35.54	12.06	35.28	128	356	P	V
		5725	76.81	-45.49	122.3	64.49	35.54	12.06	35.28	128	356	P	V
		5745	116.16	-6.14	122.3	103.79	35.55	12.11	35.29	128	356	P	V
		5745	108.84	-	-	96.47	35.55	12.11	35.29	128	356	A	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		5631.4	51.17	-17.13	68.3	38.97	35.52	11.95	35.27	300	348	P	H
		5693	51.44	-48.7	100.14	39.18	35.54	12	35.28	300	348	P	H
		5718.2	51.6	-58.8	110.4	39.28	35.54	12.06	35.28	300	348	P	H
		5723.6	49.01	-70.1	119.11	36.69	35.54	12.06	35.28	300	348	P	H
		5785	110.79	-11.51	122.3	98.36	35.56	12.17	35.3	300	348	P	H
		5785	103.16	-	-	90.73	35.56	12.17	35.3	300	348	A	H
		5850.6	49.25	-71.68	120.93	36.71	35.57	12.28	35.31	300	348	P	H
		5874.2	51.94	-53.58	105.52	39.28	35.58	12.39	35.31	300	348	P	H
		5910.8	51.89	-26.89	78.78	39.12	35.58	12.51	35.32	300	348	P	H
		5939.8	50.15	-18.15	68.3	37.38	35.59	12.51	35.33	300	348	P	H
													H
													H
		5650	51.65	-16.65	68.3	39.44	35.53	11.95	35.27	100	354	P	V
		5669.8	53.04	-29.95	82.99	40.78	35.53	12	35.27	100	354	P	V
		5716.8	50.31	-59.7	110.01	37.99	35.54	12.06	35.28	100	354	P	V
		5721.8	50.93	-64.07	115	38.61	35.54	12.06	35.28	100	354	P	V
		5785	114.65	-7.65	122.3	102.22	35.56	12.17	35.3	100	354	P	V
		5785	107.17	-	-	94.74	35.56	12.17	35.3	100	354	A	V
		5852	49.9	-67.84	117.74	37.36	35.57	12.28	35.31	100	354	P	V
		5867.8	52.25	-55.06	107.31	39.6	35.57	12.39	35.31	100	354	P	V
		5881.4	51.27	-49.28	100.55	38.62	35.58	12.39	35.32	100	354	P	V
		5925	50.74	-17.56	68.3	37.97	35.59	12.51	35.33	100	354	P	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 165 5825MHz		5825	111.99	-10.31	122.3	99.45	35.57	12.28	35.31	252	296	P	H
		5825	104.82	-	-	92.28	35.57	12.28	35.31	252	296	A	H
		5851.4	57.13	-61.98	119.11	44.59	35.57	12.28	35.31	252	296	P	H
		5863	53.24	-55.42	108.66	40.59	35.57	12.39	35.31	252	296	P	H
		5876	51.74	-52.82	104.56	39.09	35.58	12.39	35.32	252	296	P	H
		5938.6	50.37	-17.93	68.3	37.6	35.59	12.51	35.33	252	296	P	H
													H
													H
		5825	114.46	-7.84	122.3	101.92	35.57	12.28	35.31	142	359	P	V
		5825	107.31	-	-	94.77	35.57	12.28	35.31	142	359	A	V
		5850	58.77	-63.53	122.3	46.23	35.57	12.28	35.31	142	359	P	V
		5856	54.48	-56.14	110.62	41.94	35.57	12.28	35.31	142	359	P	V
		5876	53.85	-50.71	104.56	41.2	35.58	12.39	35.32	142	359	P	V
		5925.6	51.33	-16.97	68.3	38.56	35.59	12.51	35.33	142	359	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 802.11a (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	46.41	-27.59	74	48.21	38.38	17.16	57.34	100	0	P	H
		17235	48.48	-19.82	68.3	41.55	42.06	20.76	55.89	100	0	P	H
													H
													H
		11490	46.54	-27.46	74	48.34	38.38	17.16	57.34	100	0	P	V
		17235	48.58	-19.72	68.3	41.65	42.06	20.76	55.89	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	47.96	-26.04	74	49.52	38.47	17.16	57.19	100	0	P	H
		17352	45.48	-22.82	68.3	38.59	41.99	20.84	55.94	100	0	P	H
													H
													H
		11565	48.99	-25.01	74	50.6	38.45	17.16	57.22	100	0	P	V
		17352	44.55	-23.75	68.3	37.66	41.99	20.84	55.94	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	49.52	-24.48	74	50.9	38.54	17.16	57.08	100	0	P	H
		17475	47.32	-20.98	68.3	40.46	41.92	20.93	55.99	100	0	P	H
													H
													H
		11650	50.09	-23.91	74	51.47	38.54	17.16	57.08	100	0	P	V
		17475	47.17	-21.13	68.3	40.31	41.92	20.93	55.99	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 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)
802.11n HT20 CH 149 5745MHz		5613.8	50.82	-17.48	68.3	38.67	35.52	11.89	35.26	255	295	P	H
		5694.8	54.03	-47.44	101.47	41.77	35.54	12	35.28	255	295	P	H
		5719.6	63.69	-47.1	110.79	51.37	35.54	12.06	35.28	255	295	P	H
		5723.8	77.89	-41.67	119.56	65.57	35.54	12.06	35.28	255	295	P	H
		5745	113.71	-8.59	122.3	101.34	35.55	12.11	35.29	255	295	P	H
		5745	105.65	-	-	93.28	35.55	12.11	35.29	255	295	A	H
													H
													H
		5649.2	51.87	-16.43	68.3	39.66	35.53	11.95	35.27	119	357	P	V
		5696.8	55.85	-47.09	102.94	43.59	35.54	12	35.28	119	357	P	V
		5719.4	63.81	-46.92	110.73	51.49	35.54	12.06	35.28	119	357	P	V
		5724.8	79.65	-42.19	121.84	67.33	35.54	12.06	35.28	119	357	P	V
		5745	116.51	-5.79	122.3	104.14	35.55	12.11	35.29	119	357	P	V
		5745	108.76	-	-	96.39	35.55	12.11	35.29	119	357	A	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)
802.11n HT20 CH 157 5785MHz		5647.2	51.39	-16.91	68.3	39.18	35.53	11.95	35.27	253	296	P	H
		5699.6	51.47	-53.54	105.01	39.21	35.54	12	35.28	253	296	P	H
		5720	51.17	-59.73	110.9	38.85	35.54	12.06	35.28	253	296	P	H
		5723.8	51.36	-68.2	119.56	39.04	35.54	12.06	35.28	253	296	P	H
		5785	112.63	-9.67	122.3	100.2	35.56	12.17	35.3	253	296	P	H
		5785	105.38	-	-	92.95	35.56	12.17	35.3	253	296	A	H
		5850.8	50.79	-69.69	120.48	38.25	35.57	12.28	35.31	253	296	P	H
		5859.8	51	-58.55	109.55	38.46	35.57	12.28	35.31	253	296	P	H
		5909	51.04	-29.07	80.11	38.27	35.58	12.51	35.32	253	296	P	H
		5947.6	50.87	-17.43	68.3	37.99	35.59	12.62	35.33	253	296	P	H
													H
													H
		5649.2	51.22	-17.08	68.3	39.01	35.53	11.95	35.27	122	356	P	V
		5694.8	51.8	-49.67	101.47	39.54	35.54	12	35.28	122	356	P	V
		5703	51.36	-54.78	106.14	39.04	35.54	12.06	35.28	122	356	P	V
		5724	50.6	-69.42	120.02	38.28	35.54	12.06	35.28	122	356	P	V
		5782	116.38	-5.92	122.3	103.95	35.56	12.17	35.3	122	356	P	V
		5782	108.68	-	-	96.25	35.56	12.17	35.3	122	356	A	V
		5850.6	51.15	-69.78	120.93	38.61	35.57	12.28	35.31	122	356	P	V
		5862	51.3	-57.64	108.94	38.65	35.57	12.39	35.31	122	356	P	V
		5876.2	52.54	-51.87	104.41	39.89	35.58	12.39	35.32	122	356	P	V
		5944	51.84	-16.46	68.3	38.96	35.59	12.62	35.33	122	356	P	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)
802.11n HT20 CH 165 5825MHz		5825	111.77	-10.53	122.3	99.23	35.57	12.28	35.31	262	292	P	H
		5825	104.48	-	-	91.94	35.57	12.28	35.31	262	292	A	H
		5850	61.34	-60.96	122.3	48.8	35.57	12.28	35.31	262	292	P	H
		5855.6	54.03	-56.7	110.73	41.49	35.57	12.28	35.31	262	292	P	H
		5910.4	52.65	-26.42	79.07	39.88	35.58	12.51	35.32	262	292	P	H
		5950	50.32	-17.98	68.3	37.44	35.59	12.62	35.33	262	292	P	H
													H
													H
		5825	115.18	-7.12	122.3	102.64	35.57	12.28	35.31	125	357	P	V
		5825	107.73	-	-	95.19	35.57	12.28	35.31	125	357	A	V
		5850.2	65.79	-56.05	121.84	53.25	35.57	12.28	35.31	125	357	P	V
		5863.4	55.09	-53.46	108.55	42.44	35.57	12.39	35.31	125	357	P	V
		5875.6	52.26	-52.59	104.85	39.61	35.58	12.39	35.32	125	357	P	V
		5935.6	50.24	-18.06	68.3	37.47	35.59	12.51	35.33	125	357	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 (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)
802.11n HT20 CH 149 5745MHz		11490	47.55	-26.45	74	49.35	38.38	17.16	57.34	100	0	P	H
		17235	50.36	-17.94	68.3	43.43	42.06	20.76	55.89	100	0	P	H
													H
													H
		11490	46.59	-27.41	74	48.39	38.38	17.16	57.34	100	0	P	V
		17235	48.23	-20.07	68.3	41.3	42.06	20.76	55.89	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	44.79	-29.21	74	46.35	38.47	17.16	57.19	100	0	P	H
		17355	44.99	-23.31	68.3	38.1	41.99	20.84	55.94	100	0	P	H
													H
													H
		11570	46.48	-27.52	74	48.04	38.47	17.16	57.19	100	0	P	V
		17355	45.79	-22.51	68.3	38.9	41.99	20.84	55.94	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11650	46.56	-27.44	74	47.94	38.54	17.16	57.08	100	0	P	H
		17475	45.16	-23.14	68.3	38.3	41.92	20.93	55.99	100	0	P	H
													H
													H
		11650	49.43	-24.57	74	50.81	38.54	17.16	57.08	100	0	P	V
		17475	45.86	-22.44	68.3	39	41.92	20.93	55.99	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 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)
802.11n HT40 CH 151 5755MHz		5639.6	55.05	-13.25	68.3	42.84	35.53	11.95	35.27	253	294	P	H
		5683.4	59.15	-33.9	93.05	46.9	35.53	12	35.28	253	294	P	H
		5717.2	78.15	-31.97	110.12	65.83	35.54	12.06	35.28	253	294	P	H
		5721.8	80.44	-34.56	115	68.12	35.54	12.06	35.28	253	294	P	H
		5755	107.84	-14.46	122.3	95.47	35.55	12.11	35.29	253	294	P	H
		5755	101.56	-	-	89.19	35.55	12.11	35.29	253	294	A	H
		5851.8	50.28	-67.92	118.2	37.74	35.57	12.28	35.31	253	294	P	H
		5861.6	50.76	-58.29	109.05	38.11	35.57	12.39	35.31	253	294	P	H
		5913	51.08	-26.07	77.15	38.31	35.58	12.51	35.32	253	294	P	H
		5945.8	50.97	-17.33	68.3	38.09	35.59	12.62	35.33	253	294	P	H
													H
													H
		5645.8	52.87	-15.43	68.3	40.66	35.53	11.95	35.27	111	356	P	V
		5668.8	63.46	-18.79	82.25	51.2	35.53	12	35.27	111	356	P	V
		5718.8	77.84	-32.72	110.56	65.52	35.54	12.06	35.28	111	356	P	V
		5722	79.86	-35.6	115.46	67.54	35.54	12.06	35.28	111	356	P	V
		5755	111.3	-11	122.3	98.93	35.55	12.11	35.29	111	356	P	V
		5755	105.34	-	-	92.97	35.55	12.11	35.29	111	356	A	V
		5853	57.6	-57.86	115.46	45.06	35.57	12.28	35.31	111	356	P	V
		5874.2	51.42	-54.1	105.52	38.76	35.58	12.39	35.31	111	356	P	V
		5918.8	51.48	-21.39	72.87	38.71	35.58	12.51	35.32	111	356	P	V
		5932.2	51.29	-17.01	68.3	38.52	35.59	12.51	35.33	111	356	P	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)
802.11n HT40 CH 159 5795MHz		5642.4	50.57	-17.73	68.3	38.36	35.53	11.95	35.27	250	296	P	H
		5680.6	50.98	-40	90.98	38.73	35.53	12	35.28	250	296	P	H
		5709	59.32	-48.5	107.82	47	35.54	12.06	35.28	250	296	P	H
		5724.6	52.13	-69.26	121.39	39.81	35.54	12.06	35.28	250	296	P	H
		5795	108.71	-13.59	122.3	96.28	35.56	12.17	35.3	250	296	P	H
		5795	101.44	-	-	89.01	35.56	12.17	35.3	250	296	A	H
		5850.6	52.12	-68.81	120.93	39.58	35.57	12.28	35.31	250	296	P	H
		5872	58.52	-47.62	106.14	45.86	35.58	12.39	35.31	250	296	P	H
		5900.2	55.58	-31.03	86.61	42.81	35.58	12.51	35.32	250	296	P	H
		5949.4	51.74	-16.56	68.3	38.86	35.59	12.62	35.33	250	296	P	H
													H
													H
		5610.4	50.94	-17.36	68.3	38.79	35.52	11.89	35.26	120	356	P	V
		5699.8	52.05	-53.1	105.15	39.79	35.54	12	35.28	120	356	P	V
		5707.6	62.75	-44.68	107.43	50.43	35.54	12.06	35.28	120	356	P	V
		5725	59.72	-62.58	122.3	47.4	35.54	12.06	35.28	120	356	P	V
		5795	111.7	-10.6	122.3	99.27	35.56	12.17	35.3	120	356	P	V
		5795	104.77	-	-	92.34	35.56	12.17	35.3	120	356	A	V
		5850.6	54	-66.93	120.93	41.46	35.57	12.28	35.31	120	356	P	V
		5860.4	54.54	-54.85	109.39	41.89	35.57	12.39	35.31	120	356	P	V
		5884.4	53.45	-44.87	98.32	40.8	35.58	12.39	35.32	120	356	P	V
		5947.6	50.48	-17.82	68.3	37.6	35.59	12.62	35.33	120	356	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 (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)
802.11n HT40 CH 151 5755MHz		11510	43.47	-30.53	74	45.21	38.4	17.16	57.3	100	0	P	H
		17265	46.67	-21.63	68.3	39.75	42.04	20.79	55.91	100	0	P	H
													H
													H
		11510	43.46	-30.54	74	45.2	38.4	17.16	57.3	100	0	P	V
		17265	44.97	-23.33	68.3	38.05	42.04	20.79	55.91	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	43.31	-30.69	74	44.82	38.49	17.16	57.16	100	0	P	H
		17385	44.94	-23.36	68.3	38.05	41.97	20.87	55.95	100	0	P	H
													H
													H
		11590	44.61	-29.39	74	46.12	38.49	17.16	57.16	100	0	P	V
		17385	44.37	-23.93	68.3	37.48	41.97	20.87	55.95	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+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		5649.8	56.31	-11.99	68.3	44.1	35.53	11.95	35.27	254	299	P	H
		5697.8	73.86	-29.82	103.68	61.6	35.54	12	35.28	254	299	P	H
		5718.8	78.72	-31.84	110.56	66.4	35.54	12.06	35.28	254	299	P	H
		5724.6	80.59	-40.8	121.39	68.27	35.54	12.06	35.28	254	299	P	H
		5775	106.49	-15.81	122.3	94.12	35.56	12.11	35.3	254	299	P	H
		5775	99	-	-	86.63	35.56	12.11	35.3	254	299	A	H
		5854	74.92	-38.26	113.18	62.38	35.57	12.28	35.31	254	299	P	H
		5855.2	72.31	-38.53	110.84	59.77	35.57	12.28	35.31	254	299	P	H
		5875.2	62.92	-42.23	105.15	50.27	35.58	12.39	35.32	254	299	P	H
		5947.8	52.44	-15.86	68.3	39.56	35.59	12.62	35.33	254	299	P	H
													H
													H
		5648.6	58.86	-9.44	68.3	46.65	35.53	11.95	35.27	134	352	P	V
		5693.2	76.42	-23.87	100.29	64.16	35.54	12	35.28	134	352	P	V
		5712	79.87	-28.79	108.66	67.55	35.54	12.06	35.28	134	352	P	V
		5724	82.38	-37.64	120.02	70.06	35.54	12.06	35.28	134	352	P	V
		5775	107.94	-14.36	122.3	95.57	35.56	12.11	35.3	134	352	P	V
		5775	102.44	-	-	90.07	35.56	12.11	35.3	134	352	A	V
		5852.6	76.36	-40.01	116.37	63.82	35.57	12.28	35.31	134	352	P	V
		5856.4	75.09	-35.42	110.51	62.55	35.57	12.28	35.31	134	352	P	V
		5875.8	62.69	-42.02	104.71	50.04	35.58	12.39	35.32	134	352	P	V
		5926	53.55	-14.75	68.3	40.78	35.59	12.51	35.33	134	352	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 (dB μ V/m)	Over Limit (dB)	Limit Line (dB μ V/m)	Read Level (dB μ V)	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	41.78	-32.22	74	43.39	38.45	17.16	57.22	100	0	P	H
		17325	44.9	-23.4	68.3	38.01	42.01	20.81	55.93	100	0	P	H
													H
													H
		11550	42.78	-31.22	74	44.39	38.45	17.16	57.22	100	0	P	V
		17325	45.81	-22.49	68.3	38.92	42.01	20.81	55.93	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 HT20 (LF @ 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)
5GHz 802.11n HT20 LF		30	27.76	-12.24	40	32.04	26	1.07	31.35	-	-	P	H
		137.46	27.28	-16.22	43.5	39.17	18.06	1.55	31.5	-	-	P	H
		289.47	23.16	-22.84	46	32.47	19.66	2.32	31.29	-	-	P	H
		855.8	32.49	-13.51	46	30.22	28.73	4.1	30.56	-	-	P	H
		936.3	33.12	-12.88	46	29.66	29.87	4.12	30.53	-	-	P	H
		950.3	33.79	-12.21	46	30.05	30.2	4.07	30.53	100	0	P	H
													H
													H
													H
													H
													H
													H
		71.85	35.26	-4.74	40	52.63	12.92	1.28	31.57	100	0	P	V
		101.28	28.98	-14.52	43.5	42.46	16.49	1.55	31.52	-	-	P	V
		297.3	22.38	-23.62	46	31.56	19.78	2.32	31.28	-	-	P	V
		860.7	32.33	-13.67	46	29.96	28.76	4.17	30.56	-	-	P	V
		885.2	32.58	-13.42	46	30.05	28.91	4.17	30.55	-	-	P	V
		934.9	33.21	-12.79	46	29.77	29.85	4.12	30.53	-	-	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.
!	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 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)
802.11b CH 01		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
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”.