



Appendix A. Radiated Spurious Emission

Test Engineer :	Kyle Jhuang, Citta Ke, and Karl Hou	Temperature :	25~26°C
		Relative Humidity :	50~51%

15C 2.4GHz 2400~2483.5MHz

WIFI 802.11b (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)
802.11b CH 01 2412MHz		2385.69	57.11	-16.89	74	53.37	32.77	4.62	33.65	103	224	P	H
		2372.46	45.05	-8.95	54	41.38	32.73	4.6	33.66	103	224	A	H
	*	2412	106.13	-	-	102.3	32.81	4.65	33.63	103	224	P	H
	*	2412	100.77	-	-	96.94	32.81	4.65	33.63	103	224	A	H
													H
													H
		2368.32	56.05	-17.95	74	52.43	32.7	4.6	33.68	101	80	P	V
		2372.46	43.89	-10.11	54	40.22	32.73	4.6	33.66	101	80	A	V
	*	2412	102.85	-	-	99.02	32.81	4.65	33.63	101	80	P	V
	*	2412	97.5	-	-	93.67	32.81	4.65	33.63	101	80	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 CH 06 2437MHz		2388.66	56.77	-17.23	74	53.03	32.77	4.62	33.65	100	224	P	H
		2388.48	44.87	-9.13	54	41.13	32.77	4.62	33.65	100	224	A	H
	*	2437	105.28	-	-	101.31	32.89	4.68	33.6	100	224	P	H
	*	2437	99.89	-	-	95.92	32.89	4.68	33.6	100	224	A	H
		2495.88	56.25	-17.75	74	52.08	33	4.73	33.56	100	224	P	H
		2487	44.02	-9.98	54	39.9	32.96	4.73	33.57	100	224	A	H
		2349.96	55.91	-18.09	74	52.37	32.66	4.57	33.69	100	82	P	V
		2388.75	43.69	-10.31	54	39.95	32.77	4.62	33.65	100	82	A	V
	*	2437	102.33	-	-	98.36	32.89	4.68	33.6	100	82	P	V
	*	2437	96.93	-	-	92.96	32.89	4.68	33.6	100	82	A	V
		2486.8	55.87	-18.13	74	51.75	32.96	4.73	33.57	100	82	P	V
		2487.08	43.59	-10.41	54	39.47	32.96	4.73	33.57	100	82	A	V
802.11b CH 11 2462MHz	*	2462	105.4	-	-	101.37	32.92	4.7	33.59	100	223	P	H
	*	2462	99.88	-	-	95.85	32.92	4.7	33.59	100	223	A	H
		2486.52	57.04	-16.96	74	52.92	32.96	4.73	33.57	100	223	P	H
		2499.24	45.37	-8.63	54	41.2	33	4.73	33.56	100	223	A	H
													H
													H
	*	2462	102.92	-	-	98.89	32.92	4.7	33.59	102	80	P	V
	*	2462	97.58	-	-	93.55	32.92	4.7	33.59	102	80	A	V
		2486.84	56.52	-17.48	74	52.4	32.96	4.73	33.57	102	80	P	V
		2483.52	44.93	-9.07	54	40.81	32.96	4.73	33.57	102	80	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11b (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)
802.11b CH 01 2412MHz		4824	40.02	-33.98	74	57.06	35.03	6.54	58.61	100	0	P	H
													H
													H
													H
		4824	39.71	-34.29	74	56.75	35.03	6.54	58.61	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4875	40.47	-33.53	74	57.41	35.02	6.56	58.52	100	0	P	H
		7311	44.75	-29.25	74	58.28	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.71	-33.29	74	57.65	35.02	6.56	58.52	100	0	P	V
		7311	45.85	-28.15	74	59.38	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4923	40.9	-33.1	74	57.72	35.01	6.59	58.42	100	0	P	H
		7386	41.47	-32.53	74	55.03	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	40.34	-33.66	74	57.16	35.01	6.59	58.42	100	0	P	V
		7386	41.22	-32.78	74	54.78	36.44	8.31	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.												



15C 2.4GHz 2400~2483.5MHz
WIFI 802.11g (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)
802.11g CH 01 2412MHz		2389.11	58.68	-15.32	74	54.94	32.77	4.62	33.65	100	226	P	H
		2390	45.53	-8.47	54	41.79	32.77	4.62	33.65	100	226	A	H
	*	2412	106.15	-	-	102.32	32.81	4.65	33.63	100	226	P	H
	*	2412	94.99	-	-	91.16	32.81	4.65	33.63	100	226	A	H
													H
													H
		2390	58.33	-15.67	74	54.59	32.77	4.62	33.65	129	16	P	V
		2390	44.61	-9.39	54	40.87	32.77	4.62	33.65	129	16	A	V
	*	2412	104.18	-	-	100.35	32.81	4.65	33.63	129	16	P	V
	*	2412	92.88	-	-	89.05	32.81	4.65	33.63	129	16	A	V
													V
													V
802.11g CH 06 2437MHz		2389.74	60.92	-13.08	74	57.18	32.77	4.62	33.65	100	225	P	H
		2390	45.65	-8.35	54	41.91	32.77	4.62	33.65	100	225	A	H
	*	2437	109.21	-	-	105.24	32.89	4.68	33.6	100	225	P	H
	*	2437	97.88	-	-	93.91	32.89	4.68	33.6	100	225	A	H
		2495.28	58.63	-15.37	74	54.46	33	4.73	33.56	100	225	P	H
		2495.2	45.25	-8.75	54	41.08	33	4.73	33.56	100	225	A	H
		2386.23	57.51	-16.49	74	53.77	32.77	4.62	33.65	127	15	P	V
		2389.47	44.09	-9.91	54	40.35	32.77	4.62	33.65	127	15	A	V
	*	2437	107.48	-	-	103.51	32.89	4.68	33.6	127	15	P	V
	*	2437	95.88	-	-	91.91	32.89	4.68	33.6	127	15	A	V
		2492.36	56.89	-17.11	74	52.72	33	4.73	33.56	127	15	P	V
		2488.24	43.63	-10.37	54	39.46	33	4.73	33.56	127	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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)
802.11g CH 11 2462MHz	*	2462	107.2	-	-	103.17	32.92	4.7	33.59	100	226	P	H
	*	2462	95.91	-	-	91.88	32.92	4.7	33.59	100	226	A	H
		2489.4	62.24	-11.76	74	58.07	33	4.73	33.56	100	226	P	H
		2483.52	47.17	-6.83	54	43.05	32.96	4.73	33.57	100	226	A	H
													H
													H
	*	2462	104.86	-	-	100.83	32.92	4.7	33.59	105	28	P	V
	*	2462	93.62	-	-	89.59	32.92	4.7	33.59	105	28	A	V
		2484.4	61.43	-12.57	74	57.31	32.96	4.73	33.57	105	28	P	V
		2483.52	46.17	-7.83	54	42.05	32.96	4.73	33.57	105	28	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11g (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)
802.11g CH 01 2412MHz		4824	39.79	-34.21	74	56.83	35.03	6.54	58.61	100	0	P	H
													H
													H
													H
		4824	39.72	-34.28	74	56.76	35.03	6.54	58.61	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4875	41.23	-32.77	74	58.17	35.02	6.56	58.52	100	0	P	H
		7311	44.24	-29.76	74	57.77	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.84	-33.16	74	57.78	35.02	6.56	58.52	100	0	P	V
		7311	47.45	-26.55	74	60.98	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4923	40.9	-33.1	74	57.72	35.01	6.59	58.42	100	0	P	H
		7386	41.57	-32.43	74	55.13	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	40.67	-33.33	74	57.49	35.01	6.59	58.42	100	0	P	V
		7386	42.03	-31.97	74	55.59	36.44	8.31	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.												



15C 2.4GHz 2400~2483.5MHz
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 01 2412MHz		2381.37	59.47	-14.53	74	55.78	32.73	4.62	33.66	100	31	P	H
		2389.74	45.56	-8.44	54	41.82	32.77	4.62	33.65	100	31	A	H
	*	2412	105.18	-	-	101.35	32.81	4.65	33.63	100	31	P	H
	*	2412	93.97	-	-	90.14	32.81	4.65	33.63	100	31	A	H
													H
													H
		2374.53	57.88	-16.12	74	54.21	32.73	4.6	33.66	102	335	P	V
		2390	44.48	-9.52	54	40.74	32.77	4.62	33.65	102	335	A	V
	*	2412	103.49	-	-	99.66	32.81	4.65	33.63	102	335	P	V
	*	2412	91.9	-	-	88.07	32.81	4.65	33.63	102	335	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.47	57.94	-16.06	74	54.2	32.77	4.62	33.65	100	231	P	H
		2389.92	45.13	-8.87	54	41.39	32.77	4.62	33.65	100	231	A	H
	*	2437	107.48	-	-	103.51	32.89	4.68	33.6	100	231	P	H
	*	2437	95.82	-	-	91.85	32.89	4.68	33.6	100	231	A	H
		2491.92	58.65	-15.35	74	54.48	33	4.73	33.56	100	231	P	H
		2495.52	44.68	-9.32	54	40.51	33	4.73	33.56	100	231	A	H
		2380.38	56.96	-17.04	74	53.27	32.73	4.62	33.66	100	63	P	V
		2390	44.16	-9.84	54	40.42	32.77	4.62	33.65	100	63	A	V
	*	2437	105.68	-	-	101.71	32.89	4.68	33.6	100	63	P	V
	*	2437	94.26	-	-	90.29	32.89	4.68	33.6	100	63	A	V
		2487.48	58.62	-15.38	74	54.5	32.96	4.73	33.57	100	63	P	V
		2490.28	44.62	-9.38	54	40.45	33	4.73	33.56	100	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 11 2462MHz	*	2462	104.13	-	-	100.1	32.92	4.7	33.59	100	229	P	H
	*	2462	92.88	-	-	88.85	32.92	4.7	33.59	100	229	A	H
		2483.76	60.62	-13.38	74	56.5	32.96	4.73	33.57	100	229	P	H
		2483.52	45.23	-8.77	54	41.11	32.96	4.73	33.57	100	229	A	H
													H
													H
	*	2462	102.33	-	-	98.3	32.92	4.7	33.59	102	75	P	V
	*	2462	91.18	-	-	87.15	32.92	4.7	33.59	102	75	A	V
		2485.12	59.35	-14.65	74	55.23	32.96	4.73	33.57	102	75	P	V
		2483.52	44.77	-9.23	54	40.65	32.96	4.73	33.57	102	75	A	V
													V
													V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



15C 2.4GHz 2400~2483.5MHz

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 01 2412MHz		4824	41.46	-32.54	74	58.5	35.03	6.54	58.61	100	0	P	H
													H
													H
													H
		4824	40.13	-33.87	74	57.17	35.03	6.54	58.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4875	40.68	-33.32	74	57.62	35.02	6.56	58.52	100	0	P	H
		7311	43.59	-30.41	74	57.12	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.16	-33.84	74	57.1	35.02	6.56	58.52	100	0	P	V
		7311	45.05	-28.95	74	58.58	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4923	40.49	-33.51	74	57.31	35.01	6.59	58.42	100	0	P	H
		7386	42.15	-31.85	74	55.71	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	40.76	-33.24	74	57.58	35.01	6.59	58.42	100	0	P	V
		7386	41.54	-32.46	74	55.1	36.44	8.31	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.												



15C 2.4GHz 2400~2483.5MHz
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 03 2422MHz		2388.84	62.16	-11.84	74	58.42	32.77	4.62	33.65	100	30	P	H
		2386.77	48.53	-5.47	54	44.79	32.77	4.62	33.65	100	30	A	H
	*	2422	101.76	-	-	97.88	32.85	4.65	33.62	100	30	P	H
	*	2422	92.05	-	-	88.17	32.85	4.65	33.62	100	30	A	H
		2495.64	56.29	-17.71	74	52.12	33	4.73	33.56	100	30	P	H
		2487.28	44.31	-9.69	54	40.19	32.96	4.73	33.57	100	30	A	H
		2383.53	59.75	-14.25	74	56.06	32.73	4.62	33.66	104	75	P	V
		2389.92	47.19	-6.81	54	43.45	32.77	4.62	33.65	104	75	A	V
	*	2422	99.64	-	-	95.76	32.85	4.65	33.62	104	75	P	V
	*	2422	89.71	-	-	85.83	32.85	4.65	33.62	104	75	A	V
		2495.4	55.57	-18.43	74	51.4	33	4.73	33.56	104	75	P	V
		2484.48	43.92	-10.08	54	39.8	32.96	4.73	33.57	104	75	A	V
802.11n HT40 CH 06 2437MHz		2389.56	65.22	-8.78	74	61.48	32.77	4.62	33.65	100	31	P	H
		2389.92	52.43	-1.57	54	48.69	32.77	4.62	33.65	100	31	A	H
	*	2437	105.49	-	-	101.52	32.89	4.68	33.6	100	31	P	H
	*	2437	95.66	-	-	91.69	32.89	4.68	33.6	100	31	A	H
		2483.64	65.7	-8.3	74	61.58	32.96	4.73	33.57	100	31	P	H
		2483.52	50.71	-3.29	54	46.59	32.96	4.73	33.57	100	31	A	H
		2389.2	62.48	-11.52	74	58.74	32.77	4.62	33.65	100	38	P	V
		2389.74	49.95	-4.05	54	46.21	32.77	4.62	33.65	100	38	A	V
	*	2437	102.94	-	-	98.97	32.89	4.68	33.6	100	38	P	V
	*	2437	93.1	-	-	89.13	32.89	4.68	33.6	100	38	A	V
		2483.72	62.01	-11.99	74	57.89	32.96	4.73	33.57	100	38	P	V
		2484.44	48.75	-5.25	54	44.63	32.96	4.73	33.57	100	38	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 09 2452MHz		2387.85	56.25	-17.75	74	52.51	32.77	4.62	33.65	100	33	P	H
		2384.97	44.63	-9.37	54	40.94	32.73	4.62	33.66	100	33	A	H
	*	2452	101.01	-	-	97.04	32.89	4.68	33.6	100	33	P	H
	*	2452	91.15	-	-	87.18	32.89	4.68	33.6	100	33	A	H
		2483.56	61.07	-12.93	74	56.95	32.96	4.73	33.57	100	33	P	H
		2483.8	47.98	-6.02	54	43.86	32.96	4.73	33.57	100	33	A	H
		2360.4	55.32	-18.68	74	51.7	32.7	4.6	33.68	100	64	P	V
		2389.2	43.7	-10.3	54	39.96	32.77	4.62	33.65	100	64	A	V
	*	2452	98.01	-	-	94.04	32.89	4.68	33.6	100	64	P	V
	*	2452	88.11	-	-	84.14	32.89	4.68	33.6	100	64	A	V
		2483.84	59.2	-14.8	74	55.08	32.96	4.73	33.57	100	64	P	V
		2483.68	47.04	-6.96	54	42.92	32.96	4.73	33.57	100	64	A	V
Remark	3. No other spurious found.												
	4. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

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 03 2422MHz		4845	40.45	-33.55	74	57.45	35.03	6.55	58.58	100	0	P	H
		7266	41.89	-32.11	74	55.42	36.37	8.2	58.1	100	0	P	H
													H
													H
		4845	39.85	-34.15	74	56.85	35.03	6.55	58.58	100	0	P	V
		7266	42.4	-31.6	74	55.93	36.37	8.2	58.1	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4875	39.64	-34.36	74	56.58	35.02	6.56	58.52	100	0	P	H
		7311	43.11	-30.89	74	56.64	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.57	-33.43	74	57.51	35.02	6.56	58.52	100	0	P	V
		7311	44.48	-29.52	74	58.01	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4905	40.01	-33.99	74	56.86	35.02	6.59	58.46	100	0	P	H
		7356	41.61	-32.39	74	55.15	36.42	8.29	58.25	100	0	P	H
													H
													H
		4905	40	-34	74	56.85	35.02	6.59	58.46	100	0	P	V
		7356	42.38	-31.62	74	55.92	36.42	8.29	58.25	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 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	*	5744	104.63			93.77	35.79	7.18	32.11	100	60	P	H
	*	5744	93.29			82.43	35.79	7.18	32.11	100	60	P	H
													H
													H
	*	5743	102.42	-	-	91.56	35.79	7.18	32.11	101	318	P	V
	*	5743	91.43	-	-	80.57	35.79	7.18	32.11	101	318	P	V
													V
													V
802.11a CH 157 5785MHz	*	5783	103.44	-	-	92.52	35.82	7.2	32.1	100	65	P	H
	*	5783	92.61	-	-	81.69	35.82	7.2	32.1	100	65	P	H
													H
													H
	*	5783	102.77	-	-	91.85	35.82	7.2	32.1	100	320	P	V
	*	5783	91.35	-	-	80.43	35.82	7.2	32.1	100	320	P	V
													V
													V
802.11a CH 165 5825MHz	*	5827	102.52	-	-	91.51	35.86	7.24	32.09	100	57	P	H
	*	5827	91.64	-	-	80.63	35.86	7.24	32.09	100	57	P	H
													H
													H
	*	5823	101.53	-	-	90.52	35.86	7.24	32.09	100	318	P	V
	*	5823	90.5	-	-	79.49	35.86	7.24	32.09	100	318	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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	45.17	-28.83	74	52.76	38.99	10.33	56.91	100	0	P	H
													H
													H
													H
		11490	44.93	-29.07	74	52.52	38.99	10.33	56.91	100	0	P	V
													V
													V
													V
802.11a CH 157 5785MHz		11570	44.62	-29.38	74	52.14	39.03	10.36	56.91	100	0	P	H
													H
													H
													H
		11570	44.57	-29.43	74	52.09	39.03	10.36	56.91	100	0	P	V
													V
													V
													V
802.11a CH 165 5825MHz		11652	49.53	-24.47	74	56.99	39.06	10.41	56.93	100	0	P	H
													H
													H
													H
		11652	49.09	-24.91	74	56.55	39.06	10.41	56.93	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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	*	5743	103.98	-	-	93.12	35.79	7.18	32.11	100	68	P	H
	*	5743	92.84	-	-	81.98	35.79	7.18	32.11	100	68	P	H
													H
													H
	*	5747	102.43	-	-	91.57	35.79	7.18	32.11	100	27	P	V
	*	5747	91.54	-	-	80.68	35.79	7.18	32.11	100	27	P	V
													V
													V
802.11n HT20 CH 157 5785MHz	*	5787	104.36	-	-	93.43	35.83	7.2	32.1	108	59	P	H
	*	5787	93.32	-	-	82.39	35.83	7.2	32.1	108	59	P	H
													H
													H
	*	5783	102.89	-	-	91.97	35.82	7.2	32.1	100	318	P	V
	*	5783	91.68	-	-	80.76	35.82	7.2	32.1	100	318	P	V
													V
													V
802.11n HT20 CH 165 5825MHz	*	5823	103.62	-	-	92.61	35.86	7.24	32.09	107	59	P	H
	*	5823	92.57	-	-	81.56	35.86	7.24	32.09	107	59	P	H
													H
													H
	*	5827	101.97	-	-	90.96	35.86	7.24	32.09	100	318	P	V
	*	5827	91.01	-	-	80	35.86	7.24	32.09	100	318	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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	45.38	-28.62	74	52.97	38.99	10.33	56.91	100	0	P	H
													H
													H
													H
		11490	45.34	-28.66	74	52.93	38.99	10.33	56.91	100	0	P	V
													V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	44.58	-29.42	74	52.1	39.03	10.36	56.91	100	0	P	H
													H
													H
													H
		11570	45.22	-28.78	74	52.74	39.03	10.36	56.91	100	0	P	V
													V
													V
													V
802.11n HT20 CH 165 5825MHz		11648	47.69	-26.31	74	55.15	39.06	10.41	56.93	100	0	P	H
													H
													H
													H
		11650	44.76	-29.24	74	52.22	39.06	10.41	56.93	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 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	*	5753	102.14	-	-	91.26	35.81	7.18	32.11	100	61	P	H
	*	5753	92.49	-	-	81.61	35.81	7.18	32.11	100	61	P	H
													H
													H
													H
													H
	*	5757	100.58	-	-	89.7	35.81	7.18	32.11	101	318	P	V
	*	5757	90.79	-	-	79.91	35.81	7.18	32.11	101	318	P	V
													V
													V
													V
													V
802.11n HT40 CH 159 5795MHz	*	5797	101.03	-	-	90.08	35.83	7.22	32.1	100	58	P	H
	*	5797	91.55	-	-	80.6	35.83	7.22	32.1	100	58	P	H
													H
													H
													H
													H
	*	5793	101.29	-	-	90.34	35.83	7.22	32.1	109	27	P	V
	*	5793	91.67	-	-	80.72	35.83	7.22	32.1	109	27	P	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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	45.67	-28.33	74	53.23	39	10.34	56.9	100	0	P	H
													H
													H
													H
		11510	44.45	-29.55	74	52.01	39	10.34	56.9	100	0	P	V
													V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	43.91	-30.09	74	51.42	39.03	10.38	56.92	100	0	P	H
													H
													H
													H
		11590	45.34	-28.66	74	52.85	39.03	10.38	56.92	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 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	*	5773	97.66	-	-	86.74	35.82	7.2	32.1	100	60	P	H
	*	5773	88.17	-	-	77.25	35.82	7.2	32.1	100	60	P	H
													H
													H
													H
													H
	*	5773	96.49	-	-	85.57	35.82	7.2	32.1	100	26	P	V
	*	5773	86.85	-	-	75.93	35.82	7.2	32.1	100	26	P	V
													V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

15C 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	43.01	-30.99	74	50.54	39.02	10.36	56.91	100	0	P	H
													H
													H
													H
		11550	43.45	-30.55	74	50.98	39.02	10.36	56.91	100	0	P	V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



15C Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

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)
2.4GHz 802.11n HT40 LF		102.09	30.53	-12.97	43.5	50.72	10.48	1.11	31.78	-	-	P	H
		142.86	36.12	-7.38	43.5	55.14	11.5	1.26	31.78	133	58	P	H
		279.75	32.04	-13.96	46	49.26	12.81	1.73	31.76	-	-	P	H
		479.9	25.76	-20.24	46	37.74	17.7	2.19	31.87	-	-	P	H
		559	32.86	-13.14	46	42.44	20.06	2.34	31.98	-	-	P	H
		750.1	26.14	-19.86	46	33.18	22.2	2.74	31.98	-	-	P	H
													H
													H
													H
													H
													H
													H
		102.63	31.46	-12.04	43.5	51.61	10.52	1.11	31.78	-	-	P	V
		203.34	31.52	-11.98	43.5	52.67	9.14	1.49	31.78	-	-	P	V
		214.95	32.38	-11.12	43.5	53.38	9.25	1.53	31.78	112	236	P	V
		479.9	23.64	-22.36	46	35.62	17.7	2.19	31.87	-	-	P	V
		558.3	26.41	-19.59	46	35.99	20.06	2.34	31.98	-	-	P	V
		786.5	21.89	-24.11	46	28.98	22.04	2.81	31.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

15C Emission below 1GHz

5GHz WIFI 802.11a (LF)

[illegible]

**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+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”.



15C 2.4GHz 2400~2483.5MHz

WIFI 802.11b (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 11 2462MHz	*	2462	104.03	-	-	100	32.92	4.7	33.59	122	14	P	H
	*	2462	98.65	-	-	94.62	32.92	4.7	33.59	122	14	A	H
		2489.12	56.71	-17.29	74	52.54	33	4.73	33.56	122	14	P	H
		2490.2	44.86	-9.14	54	40.69	33	4.73	33.56	122	14	A	H
													H
													H
	*	2462	101.54	-	-	97.51	32.92	4.7	33.59	100	72	P	V
	*	2462	96.29	-	-	92.26	32.92	4.7	33.59	100	72	A	V
		2489.36	56.11	-17.89	74	51.94	33	4.73	33.56	100	72	P	V
		2490.4	44.08	-9.92	54	39.91	33	4.73	33.56	100	72	A	V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

15C 2.4GHz 2400~2483.5MHz

WIFI 802.11b (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 11 2462MHz		4924	41.89	-32.11	74	58.7	35.01	6.6	58.42	100	0	P	H
		7386	40.9	-33.1	74	54.46	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	41.2	-32.8	74	58.02	35.01	6.59	58.42	100	0	P	V
		7386	40.96	-33.04	74	54.52	36.44	8.31	58.31	100	0	P	V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



15C 2.4GHz 2400~2483.5MHz

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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 06 2437MHz		2385.51	60.48	-13.52	74	56.74	32.77	4.62	33.65	109	69	P	H
		2386.77	47.6	-6.4	54	43.86	32.77	4.62	33.65	109	69	A	H
	*	2437	103.07	-	-	99.1	32.89	4.68	33.6	109	69	P	H
	*	2437	93.07	-	-	89.1	32.89	4.68	33.6	109	69	A	H
		2484.08	62	-12	74	57.88	32.96	4.73	33.57	109	69	P	H
		2483.76	49.95	-4.05	54	45.83	32.96	4.73	33.57	109	69	A	H
		2389.02	56.23	-17.77	74	52.49	32.77	4.62	33.65	106	102	P	V
		2388.84	44.62	-9.38	54	40.88	32.77	4.62	33.65	106	102	A	V
	*	2437	98.54	-	-	94.57	32.89	4.68	33.6	106	102	P	V
	*	2437	88.86	-	-	84.89	32.89	4.68	33.6	106	102	A	V
		2487.2	60.06	-13.94	74	55.94	32.96	4.73	33.57	106	102	P	V
		2484.52	47.35	-6.65	54	43.23	32.96	4.73	33.57	106	102	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15C 2.4GHz 2400~2483.5MHz

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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 06 2437MHz		4875	41.23	-32.77	74	58.17	35.02	6.56	58.52	100	0	P	H
		7311	41.91	-32.09	74	55.44	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.82	-33.18	74	57.76	35.02	6.56	58.52	100	0	P	V
		7311	42.52	-31.48	74	56.05	36.39	8.24	58.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz	*	5825	102.88	-	-	91.87	35.86	7.24	32.09	100	113	P	H
	*	5825	91.93	-	-	80.92	35.86	7.24	32.09	100	113	A	H
													H
													H
													H
													H
	*	5825	101.7	-	-	90.69	35.86	7.24	32.09	109	339	P	V
	*	5825	90.07	-	-	79.06	35.86	7.24	32.09	109	339	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.												



15C 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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		11652	50.24	-23.76	74	57.7	39.06	10.41	56.93	100	0	P	H
													H
													H
													H
		11650	51.82	-22.18	74	59.28	39.06	10.41	56.93	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15C Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

[illegible]

15C Emission below 1GHz

5GHz WIFI 802.11a (LF)

[illegible]

**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+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”.



15C 2.4GHz 2400~2483.5MHz
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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		2389.74	58.83	-15.17	74	55.09	32.77	4.62	33.65	100	6	P	H
		2390	44.37	-9.63	54	40.63	32.77	4.62	33.65	100	6	A	H
	*	2412	103.1	-	-	99.27	32.81	4.65	33.63	100	6	P	H
	*	2412	91.37	-	-	87.54	32.81	4.65	33.63	100	6	A	H
													H
													H
		2387.49	57.06	-16.94	74	53.32	32.77	4.62	33.65	100	120	P	V
		2390	43.6	-10.4	54	39.86	32.77	4.62	33.65	100	120	A	V
	*	2412	102.93	-	-	99.1	32.81	4.65	33.63	100	120	P	V
	*	2412	87.18	-	-	83.35	32.81	4.65	33.63	100	120	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2371.56	57.78	-16.22	74	54.11	32.73	4.6	33.66	119	20	P	H
		2385.33	43.71	-10.29	54	40.02	32.73	4.62	33.66	119	20	A	H
	*	2437	106.57	-	-	102.6	32.89	4.68	33.6	119	20	P	H
	*	2437	93.05	-	-	89.08	32.89	4.68	33.6	119	20	A	H
		2488.36	57.46	-16.54	74	53.29	33	4.73	33.56	119	20	P	H
		2484.04	43.21	-10.79	54	39.09	32.96	4.73	33.57	119	20	A	H
		2378.58	55.93	-18.07	74	52.26	32.73	4.6	33.66	100	76	P	V
		2390	42.87	-11.13	54	39.13	32.77	4.62	33.65	100	76	A	V
	*	2437	103.69	-	-	99.72	32.89	4.68	33.6	100	76	P	V
	*	2437	90.97	-	-	87	32.89	4.68	33.6	100	76	A	V
		2486.72	56.29	-17.71	74	52.17	32.96	4.73	33.57	100	76	P	V
		2489.04	43.19	-10.81	54	39.02	33	4.73	33.56	100	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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)
802.11n HT20 CH 11 2462MHz	*	2462	100.93	-	-	96.9	32.92	4.7	33.59	100	2	P	H
	*	2462	88.36	-	-	84.33	32.92	4.7	33.59	100	2	A	H
		2483.72	57.11	-16.89	74	52.99	32.96	4.73	33.57	100	2	P	H
		2483.6	43.45	-10.55	54	39.33	32.96	4.73	33.57	100	2	A	H
													H
													H
	*	2462	103.58	-	-	99.55	32.92	4.7	33.59	100	61	P	V
	*	2462	90.95	-	-	86.92	32.92	4.7	33.59	100	61	A	V
		2483.96	59.82	-14.18	74	55.7	32.96	4.73	33.57	100	61	P	V
		2483.68	44.67	-9.33	54	40.55	32.96	4.73	33.57	100	61	A	V
													V
													V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



15C 2.4GHz 2400~2483.5MHz

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 01 2412MHz		4824	39.14	-34.86	74	56.18	35.03	6.54	58.61	100	0	P	H
													H
													H
													H
		4824	39.64	-34.36	74	56.68	35.03	6.54	58.61	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4875	40.02	-33.98	74	56.96	35.02	6.56	58.52	100	0	P	H
		7311	42.81	-31.19	74	56.34	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.59	-33.41	74	57.53	35.02	6.56	58.52	100	0	P	V
		7311	43.05	-30.95	74	56.58	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4923	41.21	-32.79	74	58.03	35.01	6.59	58.42	100	0	P	H
		7386	41.47	-32.53	74	55.03	36.44	8.31	58.31	100	0	P	H
													H
													H
		4923	40.88	-33.12	74	57.7	35.01	6.59	58.42	100	0	P	V
		7386	41.19	-32.81	74	54.75	36.44	8.31	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.												



15C 2.4GHz 2400~2483.5MHz
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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		2387.85	63.76	-10.24	74	60.02	32.77	4.62	33.65	151	155	P	H
		2389.92	51.04	-2.96	54	47.3	32.77	4.62	33.65	151	155	A	H
	*	2422	104.76	-	-	100.88	32.85	4.65	33.62	151	155	P	H
	*	2422	94.65	-	-	90.77	32.85	4.65	33.62	151	155	A	H
		2489.8	56.1	-17.9	74	51.93	33	4.73	33.56	151	155	P	H
		2489.4	44.05	-9.95	54	39.88	33	4.73	33.56	151	155	A	H
		2389.47	57.26	-16.74	74	53.52	32.77	4.62	33.65	100	122	P	V
		2389.65	45.06	-8.94	54	41.32	32.77	4.62	33.65	100	122	A	V
	*	2422	98.21	-	-	94.33	32.85	4.65	33.62	100	122	P	V
	*	2422	88.55	-	-	84.67	32.85	4.65	33.62	100	122	A	V
		2487	55.21	-18.79	74	51.09	32.96	4.73	33.57	100	122	P	V
		2483.8	43.5	-10.5	54	39.38	32.96	4.73	33.57	100	122	A	V
802.11n HT40 CH 06 2437MHz		2389.83	62.13	-11.87	74	58.39	32.77	4.62	33.65	147	166	P	H
		2389.74	49.51	-4.49	54	45.77	32.77	4.62	33.65	147	166	A	H
	*	2437	105.8	-	-	101.83	32.89	4.68	33.6	147	166	P	H
	*	2437	96	-	-	92.03	32.89	4.68	33.6	147	166	A	H
		2484.36	59.83	-14.17	74	55.71	32.96	4.73	33.57	147	166	P	H
		2483.8	47.24	-6.76	54	43.12	32.96	4.73	33.57	147	166	A	H
		2388.39	56.75	-17.25	74	53.01	32.77	4.62	33.65	100	81	P	V
		2389.56	44.47	-9.53	54	40.73	32.77	4.62	33.65	100	81	A	V
	*	2437	100.94	-	-	96.97	32.89	4.68	33.6	100	81	P	V
	*	2437	90.85	-	-	86.88	32.89	4.68	33.6	100	81	A	V
		2483.84	58.28	-15.72	74	54.16	32.96	4.73	33.57	100	81	P	V
		2484.92	45.35	-8.65	54	41.23	32.96	4.73	33.57	100	81	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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)
802.11n HT40 CH 09 2452MHz		2377.86	55.12	-18.88	74	51.45	32.73	4.6	33.66	122	8	P	H
		2390	43.18	-10.82	54	39.44	32.77	4.62	33.65	122	8	A	H
	*	2452	98.08	-	-	94.11	32.89	4.68	33.6	122	8	P	H
	*	2452	88.45	-	-	84.48	32.89	4.68	33.6	122	8	A	H
		2483.56	60.19	-13.81	74	56.07	32.96	4.73	33.57	122	8	P	H
		2484.24	47.43	-6.57	54	43.31	32.96	4.73	33.57	122	8	A	H
		2344.29	55.16	-18.84	74	51.62	32.66	4.57	33.69	100	82	P	V
		2386.68	43.17	-10.83	54	39.43	32.77	4.62	33.65	100	82	A	V
	*	2452	97.18	-	-	93.21	32.89	4.68	33.6	100	82	P	V
	*	2452	87.52	-	-	83.55	32.89	4.68	33.6	100	82	A	V
		2486.2	56.91	-17.09	74	52.79	32.96	4.73	33.57	100	82	P	V
		2486.32	45	-9	54	40.88	32.96	4.73	33.57	100	82	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 2.4GHz 2400~2483.5MHz

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 03 2422MHz		4845	39.21	-34.79	74	56.21	35.03	6.55	58.58	100	0	P	H
		7266	41.17	-32.83	74	54.7	36.37	8.2	58.1	100	0	P	H
													H
													H
		4845	39.68	-34.32	74	56.68	35.03	6.55	58.58	100	0	P	V
		7266	41.56	-32.44	74	55.09	36.37	8.2	58.1	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4875	39.71	-34.29	74	56.65	35.02	6.56	58.52	100	0	P	H
		7311	42.44	-31.56	74	55.97	36.39	8.24	58.16	100	0	P	H
													H
													H
		4875	40.68	-33.32	74	57.62	35.02	6.56	58.52	100	0	P	V
		7311	43.33	-30.67	74	56.86	36.39	8.24	58.16	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4905	40.35	-33.65	74	57.2	35.02	6.59	58.46	100	0	P	H
		7356	42.61	-31.39	74	56.15	36.42	8.29	58.25	100	0	P	H
													H
													H
		4905	39.99	-34.01	74	56.84	35.02	6.59	58.46	100	0	P	V
		7356	43.68	-30.32	74	57.22	36.42	8.29	58.25	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 149 5745MHz	*	5743	105.71	-	-	94.85	35.79	7.18	32.11	109	199	P	H
	*	5743	93.66	-	-	82.8	35.79	7.18	32.11	109	199	P	H
													H
													H
	*	5743	103.47	-	-	92.61	35.79	7.18	32.11	100	55	P	V
	*	5743	92.27	-	-	81.41	35.79	7.18	32.11	100	55	P	V
													V
													V
802.11n HT20 CH 157 5785MHz	*	5783	104.76	-	-	93.84	35.82	7.2	32.1	100	221	P	H
	*	5783	92.95	-	-	82.03	35.82	7.2	32.1	100	221	P	H
													H
													H
	*	5783	105.07	-	-	94.15	35.82	7.2	32.1	100	54	P	V
	*	5783	93.87	-	-	82.95	35.82	7.2	32.1	100	54	P	V
													V
													V
802.11n HT20 CH 165 5825MHz	*	5824	105.29	-	-	94.28	35.86	7.24	32.09	100	282	P	H
	*	5824	93.85	-	-	82.84	35.86	7.24	32.09	100	282	P	H
													H
													H
	*	5827	105.71	-	-	94.7	35.86	7.24	32.09	110	335	P	V
	*	5827	94.37	-	-	83.36	35.86	7.24	32.09	110	335	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C 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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 149 5745MHz		11490	52.91	-21.09	74	60.5	38.99	10.33	56.91	100	0	P	H
													H
													H
													H
		11492	48.94	-25.06	74	56.53	38.99	10.33	56.91	100	0	P	V
													V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	53.7	-20.3	74	61.22	39.03	10.36	56.91	100	0	P	H
													H
													H
													H
		11572	48.74	-25.26	74	56.26	39.03	10.36	56.91	100	0	P	V
													V
													V
													V
802.11n HT20 CH 165 5825MHz		11650	53.93	-20.07	74	61.39	39.06	10.41	56.93	100	0	P	H
													H
													H
													H
		11652	51.42	-22.58	74	58.88	39.06	10.41	56.93	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 151 5755MHz	*	5753	103.95	-	-	93.07	35.81	7.18	32.11	100	286	P	H
	*	5753	94.24	-	-	83.36	35.81	7.18	32.11	100	286	P	H
													H
													H
													H
													H
	*	5757	102.62	-	-	91.74	35.81	7.18	32.11	110	335	P	V
	*	5757	93.1	-	-	82.22	35.81	7.18	32.11	110	335	P	V
													V
													V
													V
													V
802.11n HT40 CH 159 5795MHz	*	5793	102.96	-	-	92.01	35.83	7.22	32.1	100	283	P	H
	*	5793	93.4	-	-	82.45	35.83	7.22	32.1	100	283	P	H
													H
													H
													H
													H
	*	5797	102.94	-	-	91.99	35.83	7.22	32.1	110	334	P	V
	*	5797	93.17	-	-	82.22	35.83	7.22	32.1	110	334	P	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 151 5755MHz		11508	50.02	-23.98	74	57.58	39	10.34	56.9	100	0	P	H
													H
													H
													H
		11512	46.9	-27.1	74	54.46	39	10.34	56.9	100	0	P	V
													V
													V
													V
802.11n HT40 CH 159 5795MHz		11592	50.36	-23.64	74	57.87	39.03	10.38	56.92	100	0	P	H
													H
													H
													H
		11590	47.69	-26.31	74	55.2	39.03	10.38	56.92	100	0	P	V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15C 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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 155 5775MHz	*	5777	100.07	-	-	89.15	35.82	7.2	32.1	109	198	P	H
	*	5777	90.54	-	-	79.62	35.82	7.2	32.1	109	198	P	H
													H
													H
													H
													H
	*	5777	98.41	-	-	87.49	35.82	7.2	32.1	100	54	P	V
	*	5777	88.13	-	-	77.21	35.82	7.2	32.1	100	54	P	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												


15C 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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80		11552	47.59	-26.41	74	55.12	39.02	10.36	56.91	100	0	P	H
													H
													H
													H
CH 155 5775MHz		11550	44.61	-29.39	74	52.14	39.02	10.36	56.91	100	0	P	V
													V
													V
													V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

15C Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

[illegible]

15C Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF)

[illegible]

**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+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”.