



Appendix B. Radiated Spurious Emission

Test Engineer :	Citta Ke and Karl Hou	Temperature :	22~25°C
		Relative Humidity :	55~58%

15C Band 4 5750~5850MHz

WIFI 802.11ac VHT10 (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 CH 147 5735MHz		5737	129.94	-	-	120.17	32.29	11.64	34.16	236	177	P	H
		5737	120.1	-	-	110.33	32.29	11.64	34.16	236	177	A	H
		11470	63.78	-10.22	74	62.79	40.23	17.68	56.92	164	116	P	H
		11470	53.54	-0.46	54	52.55	40.23	17.68	56.92	164	116	A	H
		17205	45.71	-28.29	74	41.15	41.38	20.8	57.62	100	0	P	H
		5736	130.96	-	-	121.19	32.29	11.64	34.16	207	183	P	V
		5736	118.77	-	-	109	32.29	11.64	34.16	207	183	A	V
		11470	64.12	-9.88	74	63.13	40.23	17.68	56.92	112	134	P	V
		11470	53.21	-0.79	54	52.22	40.23	17.68	56.92	112	134	A	V
		17205	48.32	-25.68	74	43.76	41.38	20.8	57.62	100	0	P	V
802.11ac CH 158 5790MHz		5788	128.9	-	-	119.03	32.37	11.67	34.17	223	183	P	H
		5788	118	-	-	108.13	32.37	11.67	34.17	223	183	A	H
		11580	62.57	-11.43	74	61.62	40.03	17.83	56.91	156	116	P	H
		11580	53.18	-0.82	54	52.23	40.03	17.83	56.91	156	116	A	H
		17370	48.47	-25.53	74	43.48	42.28	20.76	58.05	100	0	P	H
		5788	127.95	-	-	118.08	32.37	11.67	34.17	201	184	P	V
		5788	117.38	-	-	107.51	32.37	11.67	34.17	201	184	A	V
		11580	62.61	-11.39	74	61.66	40.03	17.83	56.91	112	133	P	V
		11580	51.97	-2.03	54	51.02	40.03	17.83	56.91	112	133	A	V
		17370	47.18	-26.82	74	42.19	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 168 5840MHz		5838	129.61	-	-	119.61	32.45	11.72	34.17	226	181	P	H
		5838	118.73	-	-	108.73	32.45	11.72	34.17	226	181	A	H
		11680	61.18	-12.82	74	60.4	39.79	17.92	56.93	162	117	P	H
		11680	53.21	-0.79	54	52.43	39.79	17.92	56.93	162	117	A	H
		17520	48.59	-25.41	74	43.04	43.24	20.71	58.4	100	0	P	H
		5842	128.27	-	-	118.27	32.45	11.72	34.17	218	176	P	V
		5842	117	-	-	107	32.45	11.72	34.17	218	176	A	V
		11680	62.07	-11.93	74	61.29	39.79	17.92	56.93	102	133	P	V
		11680	52.89	-1.11	54	52.11	39.79	17.92	56.93	102	133	A	V
		17520	47.75	-26.25	74	42.2	43.24	20.71	58.4	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT20 (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 CH 148 5740MHz		5738	128.96	-	-	119.19	32.29	11.64	34.16	227	183	P	H
		5738	118.67	-	-	108.9	32.29	11.64	34.16	227	183	A	H
		11482	64.24	-9.76	74	63.21	40.21	17.73	56.91	164	115	P	H
		11482	53.47	-0.53	54	52.44	40.21	17.73	56.91	164	115	A	H
		17220	49.49	-24.51	74	44.88	41.47	20.8	57.66	100	0	P	H
		5738	128.18	-	-	118.41	32.29	11.64	34.16	218	183	P	V
		5738	117.32	-	-	107.55	32.29	11.64	34.16	218	183	A	V
		11482	63.66	-10.34	74	62.63	40.21	17.73	56.91	106	136	P	V
		11482	51.71	-2.29	54	50.68	40.21	17.73	56.91	106	136	A	V
		17222	50.68	-23.32	74	46.07	41.47	20.8	57.66	100	0	P	V
802.11ac CH 158 5790MHz		5790	127.32	-	-	117.45	32.37	11.67	34.17	224	178	P	H
		5790	116.75	-	-	106.88	32.37	11.67	34.17	224	178	A	H
		11582	66.34	-7.66	74	65.39	40.03	17.83	56.91	167	118	P	H
		11582	53.65	-0.35	54	52.7	40.03	17.83	56.91	167	118	A	H
		17370	49.87	-24.13	74	44.88	42.28	20.76	58.05	100	0	P	H
		5788	126.66	-	-	116.79	32.37	11.67	34.17	209	182	P	V
		5788	116.25	-	-	106.38	32.37	11.67	34.17	209	182	A	V
		11585	63.79	-10.21	74	62.89	39.99	17.83	56.92	105	135	P	V
		11585	51.8	-2.2	54	50.9	39.99	17.83	56.92	105	135	A	V
		17370	50.03	-23.97	74	45.04	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 167 5835MHz		5833	128.29	-	-	118.32	32.42	11.72	34.17	235	175	P	H
		5833	117.44	-	-	107.47	32.42	11.72	34.17	235	175	A	H
		11670	64.14	-9.86	74	63.36	39.79	17.92	56.93	168	119	P	H
		11670	53.87	-0.13	54	53.09	39.79	17.92	56.93	168	119	A	H
		17505	52.36	-21.64	74	47.04	43	20.72	58.4	100	0	P	H
		5833	127.25	-	-	117.28	32.42	11.72	34.17	208	178	A	V
		5833	116.2	-	-	106.23	32.42	11.72	34.17	208	178	P	V
		11675	64.83	-9.17	74	64.05	39.79	17.92	56.93	108	134	P	V
		11675	52.99	-1.01	54	52.21	39.79	17.92	56.93	108	134	A	V
		17505	49.64	-24.36	74	44.32	43	20.72	58.4	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT30 (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 CH 149 5745MHz		5743	127.78	-	-	118.01	32.29	11.64	34.16	250	176	P	H
		5743	116.91	-	-	107.14	32.29	11.64	34.16	250	176	A	H
		11490	67.98	-6.02	74	66.95	40.21	17.73	56.91	161	116	P	H
		11490	52.77	-1.23	54	51.74	40.21	17.73	56.91	161	116	A	H
		17232	47.88	-26.12	74	43.23	41.56	20.8	57.71	100	0	P	H
		5743	126.24	-	-	116.47	32.29	11.64	34.16	218	181	P	V
		5743	116.35	-	-	106.58	32.29	11.64	34.16	218	181	A	V
		11495	67.18	-6.82	74	66.15	40.21	17.73	56.91	103	136	P	V
		11495	51.26	-2.74	54	50.23	40.21	17.73	56.91	103	136	A	V
		17238	52.49	-21.51	74	47.85	41.56	20.79	57.71	100	0	P	V
802.11ac CH 158 5790MHz		5788	126.55	-	-	116.68	32.37	11.67	34.17	243	182	P	H
		5788	116.55	-	-	106.68	32.37	11.67	34.17	243	182	A	H
		11580	69.44	-4.56	74	68.49	40.03	17.83	56.91	166	118	P	H
		11580	53.88	-0.12	54	52.93	40.03	17.83	56.91	166	118	A	H
		17370	49.92	-24.08	74	44.93	42.28	20.76	58.05	100	0	P	H
		5788	126.09	-	-	116.22	32.37	11.67	34.17	225	184	P	V
		5788	115.88	-	-	106.01	32.37	11.67	34.17	225	184	A	V
		11580	67.58	-6.42	74	66.63	40.03	17.83	56.91	109	133	P	V
		11580	52.1	-1.9	54	51.15	40.03	17.83	56.91	109	133	A	V
		17370	49.9	-24.1	74	44.91	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 166 5830MHz		5828	127.04	-	-	117.07	32.42	11.72	34.17	236	175	P	H
		5828	117.04	-	-	107.07	32.42	11.72	34.17	236	175	A	H
		11660	68.52	-5.48	74	67.7	39.83	17.92	56.93	165	119	P	H
		11660	53.37	-0.63	54	52.55	39.83	17.92	56.93	165	119	A	H
		17490	50.55	-23.45	74	45.28	42.91	20.72	58.36	100	0	P	H
		5828	126.08	-	-	116.11	32.42	11.72	34.17	208	178	P	V
		5828	115.83	-	-	105.86	32.42	11.72	34.17	208	178	A	V
		11660	68.47	-5.53	74	67.65	39.83	17.92	56.93	113	135	P	V
		11660	52.57	-1.43	54	51.75	39.83	17.92	56.93	113	135	A	V
		17490	48.96	-25.04	74	43.69	42.91	20.72	58.36	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT40 (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 CH 150 5750MHz		5748	126.03	-	-	116.26	32.29	11.64	34.16	237	177	P	H
		5748	114.99	-	-	105.22	32.29	11.64	34.16	237	177	A	H
		11500	66.14	-7.86	74	65.11	40.2	17.73	56.9	170	118	P	H
		11500	51.22	-2.78	54	50.19	40.2	17.73	56.9	170	118	A	H
		17250	46.94	-27.06	74	42.25	41.65	20.79	57.75	100	0	P	H
		5752	125.75	-	-	115.97	32.31	11.64	34.17	218	184	P	V
		5752	115.01	-	-	105.23	32.31	11.64	34.17	218	184	A	V
		11500	65.94	-8.06	74	64.91	40.2	17.73	56.9	106	135	P	V
		11500	50.42	-3.58	54	49.39	40.2	17.73	56.9	106	135	A	V
		17250	48.52	-25.48	74	43.83	41.65	20.79	57.75	100	0	P	V
802.11ac CH 158 5790MHz		5788	126.26	-	-	116.39	32.37	11.67	34.17	246	179	P	H
		5788	115.29	-	-	105.42	32.37	11.67	34.17	246	179	A	H
		11580	67.2	-6.8	74	66.25	40.03	17.83	56.91	167	117	P	H
		11580	52.62	-1.38	54	51.67	40.03	17.83	56.91	167	117	A	H
		17370	48.42	-25.58	74	43.43	42.28	20.76	58.05	100	0	P	H
		5788	125.18	-	-	115.31	32.37	11.67	34.17	214	178	P	V
		5788	113.88	-	-	104.01	32.37	11.67	34.17	214	178	A	V
		11580	66.48	-7.52	74	65.53	40.03	17.83	56.91	100	134	P	V
		11580	50.86	-3.14	54	49.91	40.03	17.83	56.91	100	134	A	V
		17370	48.47	-25.53	74	43.48	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 165 5825MHz		5823	127.36	-	-	117.39	32.42	11.72	34.17	243	182	P	H
		5823	115.32	-	-	105.35	32.42	11.72	34.17	243	182	A	H
		11650	67.1	-6.9	74	66.24	39.87	17.92	56.93	164	118	P	H
		11650	51.81	-2.19	54	50.95	39.87	17.92	56.93	164	118	A	H
		17472	47.92	-26.08	74	42.68	42.82	20.73	58.31	100	0	P	H
		5827	125.58	-	-	115.61	32.42	11.72	34.17	211	184	P	V
		5827	114.5	-	-	104.53	32.42	11.72	34.17	211	184	A	V
		11650	66.67	-7.33	74	65.81	39.87	17.92	56.93	108	134	P	V
		11650	50.84	-3.16	54	49.98	39.87	17.92	56.93	108	134	A	V
		17472	47.04	-26.96	74	41.8	42.82	20.73	58.31	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT50 (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 CH 151 5755MHz		5753	126.38	-	-	116.6	32.31	11.64	34.17	238	181	P	H
		5753	114.9	-	-	105.12	32.31	11.64	34.17	238	181	A	H
		11510	66.38	-7.62	74	65.35	40.2	17.73	56.9	167	116	P	H
		11510	50.92	-3.08	54	49.89	40.2	17.73	56.9	167	116	A	H
		17268	46.25	-27.75	74	41.51	41.74	20.79	57.79	100	0	P	H
		5753	124.44	-	-	114.66	32.31	11.64	34.17	217	184	P	V
		5753	113.63	-	-	103.85	32.31	11.64	34.17	217	184	A	V
		11510	65.27	-8.73	74	64.24	40.2	17.73	56.9	100	135	P	V
		11510	50.02	-3.98	54	48.99	40.2	17.73	56.9	100	135	A	V
		17268	46.51	-27.49	74	41.77	41.74	20.79	57.79	100	0	P	V
802.11ac CH 158 5790MHz		5788	124.75	-	-	114.88	32.37	11.67	34.17	247	178	P	H
		5788	113.92	-	-	104.05	32.37	11.67	34.17	247	178	A	H
		11580	67.12	-6.88	74	66.17	40.03	17.83	56.91	158	117	P	H
		11580	51.8	-2.2	54	50.85	40.03	17.83	56.91	158	117	A	H
		17370	47.17	-26.83	74	42.18	42.28	20.76	58.05	100	0	P	H
		5788	125.05	-	-	115.18	32.37	11.67	34.17	214	182	P	V
		5788	114.08	-	-	104.21	32.37	11.67	34.17	214	182	A	V
		11580	65.28	-8.72	74	64.33	40.03	17.83	56.91	100	136	P	V
		11580	50	-4	54	49.05	40.03	17.83	56.91	100	136	A	V
		17370	46.78	-27.22	74	41.79	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 164 5820MHz		5818	125.45	-	-	115.5	32.4	11.72	34.17	228	180	P	H
		5818	114.88	-	-	104.93	32.4	11.72	34.17	228	180	A	H
		11640	66.6	-7.4	74	65.79	39.87	17.87	56.93	170	120	P	H
		11640	51.3	-2.7	54	50.49	39.87	17.87	56.93	170	120	A	H
		17460	47.14	-26.86	74	41.95	42.73	20.73	58.27	100	0	P	H
		5822	123.87	-	-	113.9	32.42	11.72	34.17	209	181	P	V
		5822	112.97	-	-	103	32.42	11.72	34.17	209	181	A	V
		11640	65.63	-8.37	74	64.82	39.87	17.87	56.93	100	134	P	V
		11640	50.72	-3.28	54	49.91	39.87	17.87	56.93	100	134	A	V
		17460	46.18	-27.82	74	40.99	42.73	20.73	58.27	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Band 4 5750~5850MHz

WIFI 802.11ac VHT60 (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 CH 152 5760MHz		5758	123.64	-	-	113.86	32.31	11.64	34.17	236	177	P	H
		5758	113.2	-	-	103.42	32.31	11.64	34.17	236	177	A	H
		11520	65.36	-8.64	74	64.37	40.16	17.73	56.9	159	118	P	H
		11520	50.35	-3.65	54	49.36	40.16	17.73	56.9	159	118	A	H
		17280	46.43	-27.57	74	41.66	41.83	20.78	57.84	100	0	P	H
		5762	124.29	-	-	114.51	32.31	11.64	34.17	217	183	P	V
		5762	113.32	-	-	103.54	32.31	11.64	34.17	217	183	A	V
		11520	64.1	-9.9	74	63.11	40.16	17.73	56.9	100	136	P	V
		11520	49.04	-4.96	54	48.05	40.16	17.73	56.9	100	136	A	V
		17280	46.24	-27.76	74	41.47	41.83	20.78	57.84	100	0	P	V
802.11ac CH 158 5790MHz		5788	123.77	-	-	113.9	32.37	11.67	34.17	244	179	P	H
		5788	113.72	-	-	103.85	32.37	11.67	34.17	244	179	A	H
		11580	66.74	-7.26	74	65.79	40.03	17.83	56.91	159	118	P	H
		11580	51.26	-2.74	54	50.31	40.03	17.83	56.91	159	118	A	H
		17370	47.41	-26.59	74	42.42	42.28	20.76	58.05	100	0	P	H
		5788	124.28	-	-	114.41	32.37	11.67	34.17	216	183	P	V
		5788	113.46	-	-	103.59	32.37	11.67	34.17	216	183	A	V
		11580	65.4	-8.6	74	64.45	40.03	17.83	56.91	104	137	P	V
		11580	50.2	-3.8	54	49.25	40.03	17.83	56.91	104	137	A	V
		17370	47.34	-26.66	74	42.35	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 163 5815MHz		5813	124.25	-	-	114.3	32.4	11.72	34.17	240	179	P	H
		5813	113.69	-	-	103.74	32.4	11.72	34.17	240	179	A	H
		11630	65.7	-8.3	74	64.84	39.91	17.87	56.92	159	117	P	H
		11630	50.41	-3.59	54	49.55	39.91	17.87	56.92	159	117	A	H
		17448	47.37	-26.63	74	42.18	42.73	20.73	58.27	100	0	P	H
		5813	122.76	-	-	112.81	32.4	11.72	34.17	219	183	P	V
		5813	112.32	-	-	102.37	32.4	11.72	34.17	219	183	A	V
		11630	65.11	-8.89	74	64.25	39.91	17.87	56.92	109	134	P	V
		11630	49.78	-4.22	54	48.92	39.91	17.87	56.92	109	134	A	V
		17448	46.84	-27.16	74	41.65	42.73	20.73	58.27	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Band 4 5750~5850MHz

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 CH 154 5770MHz		5768	123.74	-	-	113.93	32.31	11.67	34.17	240	181	P	H
		5768	111.83	-	-	102.02	32.31	11.67	34.17	240	181	A	H
		11540	64.24	-9.76	74	63.25	40.12	17.78	56.91	164	120	P	H
		11540	48.6	-5.4	54	47.61	40.12	17.78	56.91	164	120	A	H
		17310	46.98	-27.02	74	42.16	41.92	20.78	57.88	100	0	P	H
		5768	123.29	-	-	113.48	32.31	11.67	34.17	215	180	P	V
		5768	111.17	-	-	101.36	32.31	11.67	34.17	215	180	A	V
		11540	63.85	-10.15	74	62.86	40.12	17.78	56.91	109	134	P	V
		11540	47.66	-6.34	54	46.67	40.12	17.78	56.91	109	134	A	V
		17310	45.76	-28.24	74	40.94	41.92	20.78	57.88	100	0	P	V
4802.11ac CH 158 5790MHz		5788	123.22	-	-	113.35	32.37	11.67	34.17	240	179	P	H
		5788	111.4	-	-	101.53	32.37	11.67	34.17	240	179	A	H
		11580	65.1	-8.9	74	64.15	40.03	17.83	56.91	169	120	P	H
		11580	49.3	-4.7	54	48.35	40.03	17.83	56.91	169	120	A	H
		17370	46.49	-27.51	74	41.5	42.28	20.76	58.05	100	0	P	H
		5788	122.75	-	-	112.88	32.37	11.67	34.17	217	181	P	V
		5788	111.16	-	-	101.29	32.37	11.67	34.17	217	181	A	V
		11580	64.24	-9.76	74	63.29	40.03	17.83	56.91	108	135	P	V
		11580	48.05	-5.95	54	47.1	40.03	17.83	56.91	108	135	A	V
		17370	46.96	-27.04	74	41.97	42.28	20.76	58.05	100	0	P	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac CH 162 5810MHz		5808	123.81	-	-	113.86	32.4	11.72	34.17	222	180	P	H
		5808	111.75	-	-	101.8	32.4	11.72	34.17	222	180	A	H
		11620	64.08	-9.92	74	63.22	39.91	17.87	56.92	169	118	P	H
		11620	48.3	-5.7	54	47.44	39.91	17.87	56.92	169	118	A	H
		17430	46.63	-27.37	74	41.52	42.55	20.74	58.18	100	0	P	H
		5808	122.12	-	-	112.17	32.4	11.72	34.17	205	183	P	V
		5808	111	-	-	101.05	32.4	11.72	34.17	205	183	A	V
		11620	63.37	-10.63	74	62.51	39.91	17.87	56.92	105	134	P	V
		11620	47.95	-6.05	54	47.09	39.91	17.87	56.92	105	134	A	V
		17430	46.43	-27.57	74	41.32	42.55	20.74	58.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15C Emission below 1GHz

5GHz WIFI 802.11ac VHT20 (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT20 LF		86.97	36.99	-3.01	40	57.64	8.39	1.39	30.43	177	58	P	H
		144.21	40.21	-3.29	43.5	57.24	11.44	1.89	30.36	-	-	P	H
		190.11	40.35	-3.15	43.5	59.69	8.88	2.09	30.31	-	-	P	H
		301.4	32.52	-13.48	46	46.87	13.24	2.56	30.15	-	-	P	H
		893.6	37.25	-8.75	46	39.09	23.02	4.42	29.28	-	-	P	H
		911.8	36.85	-9.15	46	38.28	23.38	4.42	29.23	-	-	P	H
		34.86	36.26	-3.74	40	49.06	16.43	1.03	30.26	156	84	P	V
		148.26	38.92	-4.58	43.5	56.13	11.26	1.89	30.36	-	-	P	V
		177.15	39.13	-4.37	43.5	58.14	9.23	2.09	30.33	-	-	P	V
		374.9	29.52	-16.48	46	41.66	14.98	2.94	30.06	-	-	P	V
		600.3	31.47	-14.53	46	38.01	19.46	3.66	29.66	-	-	P	V
		900.6	38.62	-7.38	46	40.42	23.05	4.42	29.27	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency per 15.209(c).
!	Test result is over limit line.
P/A	Peak or Average
H/V	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”.