



Appendix A. Radiated Spurious Emission

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

15E Band 1 - 5150~5250MHz

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 36 5180MHz		5149.7	70.2	-3.8	74	60.59	35.18	6.72	32.29	120	251	P	H
		5149.7	51.25	-2.75	54	41.64	35.18	6.72	32.29	120	251	A	H
	*	5178	111.74	-	-	102.07	35.22	6.73	32.28	120	251	P	H
	*	5178	101.68	-	-	92.01	35.22	6.73	32.28	120	251	A	H
													H
													H
		5148.95	60.38	-13.62	74	50.77	35.18	6.72	32.29	100	187	P	V
		5149.7	44.48	-9.52	54	34.87	35.18	6.72	32.29	100	187	A	V
	*	5178	100.57	-	-	90.9	35.22	6.73	32.28	100	187	P	V
	*	5178	90.92	-	-	81.25	35.22	6.73	32.28	100	187	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)
802.11a CH 44 5220MHz		5146.7	57.62	-16.38	74	48.01	35.18	6.72	32.29	159	187	P	H
		5073.95	44.56	-9.44	54	35.09	35.1	6.68	32.31	159	187	A	H
	*	5222	111.82	-	-	102.07	35.26	6.76	32.27	159	187	P	H
	*	5222	101.34	-	-	91.59	35.26	6.76	32.27	159	187	A	H
		5365.95	58.71	-15.29	74	48.65	35.44	6.85	32.23	159	187	P	H
		5366.06	47.85	-6.15	54	37.79	35.44	6.85	32.23	159	187	A	H
		5149.85	53.79	-20.21	74	44.18	35.18	6.72	32.29	112	185	P	V
		5072	42.53	-11.47	54	33.06	35.1	6.68	32.31	112	185	A	V
	*	5218	102.4	-	-	92.65	35.26	6.76	32.27	112	185	P	V
	*	5218	92.74	-	-	82.99	35.26	6.76	32.27	112	185	A	V
		5379.81	52.91	-21.09	74	42.82	35.46	6.85	32.22	112	185	P	V
		5439.54	42.9	-11.1	54	32.67	35.52	6.92	32.21	112	185	A	V
802.11a CH 48 5240MHz		5140.85	55.36	-18.64	74	45.75	35.18	6.72	32.29	145	250	P	H
		5093.9	44.37	-9.63	54	34.86	35.12	6.69	32.3	145	250	A	H
	*	5238	113.26	-	-	103.47	35.28	6.77	32.26	145	250	P	H
	*	5238	103.68	-	-	93.89	35.28	6.77	32.26	145	250	A	H
		5386.85	58.41	-15.59	74	48.29	35.46	6.88	32.22	145	250	P	H
		5384.54	47.82	-6.18	54	37.7	35.46	6.88	32.22	145	250	A	H
		5146.7	52.44	-21.56	74	42.83	35.18	6.72	32.29	100	243	P	V
		5138.3	42.34	-11.66	54	32.76	35.16	6.71	32.29	100	243	A	V
	*	5238	101.86	-	-	92.07	35.28	6.77	32.26	100	243	P	V
	*	5238	91.87	-	-	82.08	35.28	6.77	32.26	100	243	A	V
		5385.53	53.34	-20.66	74	43.22	35.46	6.88	32.22	100	243	P	V
		5391.8	43.1	-10.9	54	32.98	35.46	6.88	32.22	100	243	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

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 36 5180MHz		10360	51.41	-22.59	74	60.59	38.2	9.8	57.18	100	11	P	H
		10360	40.84	-13.16	54	50.02	38.2	9.8	57.18	100	11	A	H
		15540	53.59	-20.41	74	59.41	40.64	11.81	58.27	100	113	P	H
		15540	42.55	-11.45	54	48.37	40.64	11.81	58.27	100	113	A	H
		10360	52.43	-21.57	74	61.61	38.2	9.8	57.18	100	22	P	V
		10360	41.4	-12.6	54	50.58	38.2	9.8	57.18	100	22	A	V
		15542	54.17	-19.83	74	59.99	40.64	11.81	58.27	200	237	P	V
		15542	42.01	-11.99	54	47.83	40.64	11.81	58.27	200	237	A	V
802.11a CH 44 5220MHz		10442	53.03	-20.97	74	62.15	38.2	9.82	57.14	100	18	P	H
		10442	42.46	-11.54	54	51.58	38.2	9.82	57.14	100	18	A	H
		15658	54.9	-19.1	74	60.49	40.79	11.8	58.18	117	224	P	H
		15658	40.85	-13.15	54	46.44	40.79	11.8	58.18	117	224	A	H
		10442	54.84	-19.16	74	63.96	38.2	9.82	57.14	113	239	P	V
		10442	44.63	-9.37	54	53.75	38.2	9.82	57.14	113	239	A	V
		15660	54.82	-19.18	74	60.41	40.79	11.8	58.18	100	236	P	V
		15660	44.49	-9.51	54	50.08	40.79	11.8	58.18	100	236	A	V
802.11a CH 48 5240MHz		10482	53.2	-20.8	74	62.27	38.2	9.84	57.11	100	38	P	H
		10482	42.59	-11.41	54	51.66	38.2	9.84	57.11	100	38	A	H
		15720	54.45	-19.55	74	59.9	40.87	11.8	58.12	116	219	P	H
		15720	44.36	-9.64	54	49.81	40.87	11.8	58.12	116	219	A	H
		10480	53.89	-20.11	74	62.96	38.2	9.84	57.11	100	81	P	V
		10480	42.72	-11.28	54	51.79	38.2	9.84	57.11	100	81	A	V
		15722	54.69	-19.31	74	60.14	40.87	11.8	58.12	106	241	P	V
		15722	44.14	-9.86	54	49.59	40.87	11.8	58.12	106	241	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 2 - 5250~5350MHz

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 52 5260MHz		5105.15	55.02	-18.98	74	45.51	35.12	6.69	32.3	145	251	P	H
		5113.85	44.2	-9.8	54	34.67	35.14	6.69	32.3	145	251	A	H
	*	5262	114.14	-	-	104.29	35.32	6.79	32.26	145	251	P	H
	*	5262	104	-	-	94.15	35.32	6.79	32.26	145	251	A	H
		5404.45	57.66	-16.34	74	47.5	35.48	6.9	32.22	145	251	P	H
		5412.59	47	-7	54	36.81	35.5	6.9	32.21	145	251	A	H
		5147.15	52.9	-21.1	74	43.29	35.18	6.72	32.29	122	168	P	V
		5148.35	42.29	-11.71	54	32.68	35.18	6.72	32.29	122	168	A	V
	*	5258	104.79	-	-	94.98	35.3	6.77	32.26	122	168	P	V
	*	5258	94.98	-	-	85.17	35.3	6.77	32.26	122	168	A	V
		5415.23	53.2	-20.8	74	43.01	35.5	6.9	32.21	122	168	P	V
		5401.92	42.95	-11.05	54	32.81	35.48	6.88	32.22	122	168	A	V
802.11a CH 60 5300MHz		5149.7	54.45	-19.55	74	44.84	35.18	6.72	32.29	144	247	P	H
		5148.05	44.23	-9.77	54	34.62	35.18	6.72	32.29	144	247	A	H
	*	5298	113.45	-	-	103.54	35.36	6.8	32.25	144	247	P	H
	*	5298	103.57	-	-	93.66	35.36	6.8	32.25	144	247	A	H
		5351.76	64.5	-9.5	74	54.48	35.42	6.83	32.23	144	247	P	H
		5350	50.23	-3.77	54	40.21	35.42	6.83	32.23	144	247	A	H
		5144	52.6	-21.4	74	42.99	35.18	6.72	32.29	100	244	P	V
		5147.15	42.41	-11.59	54	32.8	35.18	6.72	32.29	100	244	A	V
	*	5302	101.33	-	-	91.42	35.36	6.8	32.25	100	244	P	V
	*	5302	91.33	-	-	81.42	35.36	6.8	32.25	100	244	A	V
		5355.17	53.55	-20.45	74	43.53	35.42	6.83	32.23	100	244	P	V
		5350.11	43.37	-10.63	54	33.35	35.42	6.83	32.23	100	244	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)
802.11a CH 64 5320MHz	*	5322	111.8	-	-	101.85	35.38	6.81	32.24	156	252	P	H
	*	5322	101.72	-	-	91.77	35.38	6.81	32.24	156	252	A	H
		5350.44	67.43	-6.57	74	57.41	35.42	6.83	32.23	156	252	P	H
		5350	51.85	-2.15	54	41.83	35.42	6.83	32.23	156	252	A	H
													H
													H
	*	5322	100.76	-	-	90.81	35.38	6.81	32.24	175	242	P	V
	*	5322	90.54	-	-	80.59	35.38	6.81	32.24	175	242	A	V
		5351.54	55.92	-18.08	74	45.9	35.42	6.83	32.23	175	242	P	V
		5350	44.46	-9.54	54	34.44	35.42	6.83	32.23	175	242	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

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 52 5260MHz		10520	52.82	-21.18	74	61.85	38.21	9.86	57.1	100	17	P	H
		10520	41.66	-12.34	54	50.69	38.21	9.86	57.1	100	17	A	H
		15782	54.27	-19.73	74	59.59	40.95	11.8	58.07	102	231	P	H
		15782	43.15	-10.85	54	48.47	40.95	11.8	58.07	102	231	A	H
		10520	56.62	-17.38	74	65.65	38.21	9.86	57.1	100	240	P	V
		10520	43.85	-10.15	54	52.88	38.21	9.86	57.1	100	240	A	V
		15782	53.92	-20.08	74	59.24	40.95	11.8	58.07	100	28	P	V
		15782	43.86	-10.14	54	49.18	40.95	11.8	58.07	100	28	A	V
802.11a CH 60 5300MHz		10602	51.53	-22.47	74	60.49	38.28	9.88	57.12	100	12	P	H
		10602	40.73	-13.27	54	49.69	38.28	9.88	57.12	100	12	A	H
		15898	54.1	-19.9	74	59.23	41.08	11.77	57.98	100	215	P	H
		15898	44.43	-9.57	54	49.56	41.08	11.77	57.98	100	215	A	H
		10600	54.24	-19.76	74	63.2	38.28	9.88	57.12	100	234	P	V
		10600	43.88	-10.12	54	52.84	38.28	9.88	57.12	100	234	A	V
		15902	54.13	-19.87	74	59.23	41.1	11.77	57.97	105	237	P	V
		15902	43.41	-10.59	54	48.51	41.1	11.77	57.97	105	237	A	V
802.11a CH 64 5320MHz		10642	51.61	-22.39	74	60.53	38.31	9.9	57.13	100	55	P	H
		10642	41.34	-12.66	54	50.26	38.31	9.9	57.13	100	55	A	H
		15962	51.45	-22.55	74	56.46	41.16	11.76	57.93	100	119	P	H
		15962	41.36	-12.64	54	46.37	41.16	11.76	57.93	100	119	A	H
		10642	51.47	-22.53	74	60.39	38.31	9.9	57.13	100	28	P	V
		10642	41.21	-12.79	54	50.13	38.31	9.9	57.13	100	28	A	V
		15958	49.95	-24.05	74	54.96	41.16	11.76	57.93	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 3 - 5470~5725MHz

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 100 5500MHz		5469.52	69.16	-4.84	74	58.86	35.56	6.94	32.2	152	249	P	H
		5470	51.79	-2.21	54	41.49	35.56	6.94	32.2	152	249	A	H
	*	5498	109.99	-	-	99.62	35.6	6.96	32.19	152	249	P	H
	*	5498	100.32	-	-	89.95	35.6	6.96	32.19	152	249	A	H
													H
													H
		5468.72	66.15	-7.85	74	55.85	35.56	6.94	32.2	127	193	P	V
		5468.88	46.13	-7.87	54	35.83	35.56	6.94	32.2	127	193	A	V
	*	5498	103.9	-	-	93.53	35.6	6.96	32.19	127	193	P	V
	*	5498	93.84	-	-	83.47	35.6	6.96	32.19	127	193	A	V
													V
													V
802.11a CH 116 5580MHz		5373.04	56.64	-17.36	74	46.58	35.44	6.85	32.23	125	203	P	H
		5373.2	48.36	-5.64	54	38.3	35.44	6.85	32.23	125	203	A	H
	*	5582	106.78	-	-	96.23	35.67	7.04	32.16	125	203	P	H
	*	5582	96.81	-	-	86.26	35.67	7.04	32.16	125	203	A	H
		5729.16	53.33	-20.67	74	42.51	35.78	7.16	32.12	125	203	P	H
		5746.76	43.5	-10.5	54	32.64	35.79	7.18	32.11	125	203	A	H
		5415.44	53.03	-20.97	74	42.84	35.5	6.9	32.21	113	199	P	V
		5457.04	42.83	-11.17	54	32.55	35.54	6.94	32.2	113	199	A	V
	*	5582	102.92	-	-	92.37	35.67	7.04	32.16	113	199	P	V
	*	5582	93.21	-	-	82.66	35.67	7.04	32.16	113	199	A	V
		5733	53.71	-20.29	74	42.89	35.78	7.16	32.12	113	199	P	V
		5755.16	43.56	-10.44	54	32.68	35.81	7.18	32.11	113	199	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)
802.11a CH 140 5700MHz	*	5698	107.48	-	-	96.71	35.75	7.15	32.13	133	223	P	H
	*	5698	97.45	-	-	86.68	35.75	7.15	32.13	133	223	A	H
		5725.8	69.52	-4.48	74	58.7	35.78	7.16	32.12	133	223	P	H
		5725.16	51.19	-2.81	54	40.37	35.78	7.16	32.12	133	223	A	H
													H
													H
	*	5698	102.88	-	-	92.11	35.75	7.15	32.13	110	200	P	V
	*	5698	92.59	-	-	81.82	35.75	7.15	32.13	110	200	A	V
		5725.64	65.8	-8.2	74	54.98	35.78	7.16	32.12	110	200	P	V
		5725.4	47.61	-6.39	54	36.79	35.78	7.16	32.12	110	200	A	V
													V
													V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



15E band 3 - 5470~5725MHz

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 100 5500MHz		11002	53	-21	74	61.52	38.6	10.08	57.2	100	35	P	H
		11002	42.94	-11.06	54	51.46	38.6	10.08	57.2	100	35	A	H
		16500	50.96	-23.04	74	54.48	41.4	12.18	57.1	100	0	P	H
													H
		11002	56.47	-17.53	74	64.99	38.6	10.08	57.2	104	192	P	V
		11002	47.8	-6.2	54	56.32	38.6	10.08	57.2	104	192	A	V
		16502	52.32	-21.68	74	55.84	41.4	12.18	57.1	100	164	P	V
		16502	42.24	-11.76	54	45.76	41.4	12.18	57.1	100	164	A	V
802.11a CH 116 5580MHz		11160	51.01	-22.99	74	59.23	38.73	10.15	57.1	100	28	P	H
		11160	41.13	-12.87	54	49.35	38.73	10.15	57.1	100	28	A	H
		16738	51.28	-22.72	74	54.32	41.74	12.32	57.1	100	117	P	H
		16738	41.35	-12.65	54	44.39	41.74	12.32	57.1	100	117	A	H
		11158	59.85	-14.15	74	68.07	38.73	10.15	57.1	104	194	P	V
		11158	48.49	-5.51	54	56.71	38.73	10.15	57.1	104	194	A	V
		16740	50.85	-23.15	74	53.89	41.74	12.32	57.1	100	0	P	V
													V
802.11a CH 140 5700MHz		11402	53.35	-20.65	74	61.11	38.92	10.28	56.96	100	38	P	H
		11402	43.37	-10.63	54	51.13	38.92	10.28	56.96	100	38	A	H
		17100	47.35	-26.65	74	50.17	42.06	12.48	57.36	100	0	P	H
													H
		11402	59.78	-14.22	74	67.54	38.92	10.28	56.96	100	203	P	V
		11402	48.23	-5.77	54	55.99	38.92	10.28	56.96	100	203	A	V
		17100	48	-26	74	50.82	42.06	12.48	57.36	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												

15E Emission below 1GHz

WIFI 802.11a (LF @ 3m)

[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		(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”.



15E band 1 5150~5250MHz

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 36 5180MHz		5148.95	62.78	-11.22	74	53.17	35.18	6.72	32.29	126	176	P	H
		5148.95	49.4	-4.6	54	39.79	35.18	6.72	32.29	126	176	A	H
	*	5182	110.77	-	-	101.1	35.22	6.73	32.28	126	176	P	H
	*	5182	100.8	-	-	91.13	35.22	6.73	32.28	126	176	A	H
													H
													H
		5149.7	57.06	-16.94	74	47.45	35.18	6.72	32.29	100	118	P	V
		5149.4	43.9	-10.1	54	34.29	35.18	6.72	32.29	100	118	A	V
	*	5178	100.31	-	-	90.64	35.22	6.73	32.28	100	118	P	V
	*	5178	89.93	-	-	80.26	35.22	6.73	32.28	100	118	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5145.8	55.96	-18.04	74	46.35	35.18	6.72	32.29	114	177	P	H
		5002.4	45.84	-8.16	54	36.53	35	6.64	32.33	114	177	A	H
	*	5222	110.48	-	-	100.73	35.26	6.76	32.27	114	177	P	H
	*	5222	101.09	-	-	91.34	35.26	6.76	32.27	114	177	A	H
		5374.86	56.47	-17.53	74	46.41	35.44	6.85	32.23	114	177	P	H
		5371.67	45.41	-8.59	54	35.35	35.44	6.85	32.23	114	177	A	H
		5136.05	52.78	-21.22	74	43.2	35.16	6.71	32.29	100	118	P	V
		5150	42.86	-11.14	54	33.25	35.18	6.72	32.29	100	118	A	V
	*	5218	99.15	-	-	89.4	35.26	6.76	32.27	100	118	P	V
	*	5218	89.01	-	-	79.26	35.26	6.76	32.27	100	118	A	V
		5372	52.45	-21.55	74	42.39	35.44	6.85	32.23	100	118	P	V
		5370.79	43.1	-10.9	54	33.04	35.44	6.85	32.23	100	118	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 48 5240MHz		5093.3	54.94	-19.06	74	45.43	35.12	6.69	32.3	126	189	P	H
		5149.85	44.45	-9.55	54	34.84	35.18	6.72	32.29	126	189	A	H
	*	5242	111.35	-	-	101.54	35.3	6.77	32.26	126	189	P	H
	*	5242	100.93	-	-	91.12	35.3	6.77	32.26	126	189	A	H
		5387.18	56.86	-17.14	74	46.74	35.46	6.88	32.22	126	189	P	H
		5386.52	46.27	-7.73	54	36.15	35.46	6.88	32.22	126	189	A	H
		5144.6	53.54	-20.46	74	43.93	35.18	6.72	32.29	100	123	P	V
		5147	42.77	-11.23	54	33.16	35.18	6.72	32.29	100	123	A	V
	*	5238	98.69	-	-	88.9	35.28	6.77	32.26	100	123	P	V
	*	5238	88.65	-	-	78.86	35.28	6.77	32.26	100	123	A	V
		5383.66	52.67	-21.33	74	42.55	35.46	6.88	32.22	100	123	P	V
		5386.85	43.14	-10.86	54	33.02	35.46	6.88	32.22	100	123	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



15E band 1 5150~5250MHz

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 36 5180MHz		10362	50.17	-23.83	74	59.35	38.2	9.8	57.18	100	0	P	H
		15540	50.09	-23.91	74	55.91	40.64	11.81	58.27	100	0	P	H
													H
													H
		10362	50.52	-23.48	74	59.7	38.2	9.8	57.18	100	0	P	V
		15538	50.06	-23.94	74	55.88	40.64	11.81	58.27	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	50.34	-23.66	74	59.46	38.2	9.82	57.14	100	0	P	H
		15660	49.22	-24.78	74	54.81	40.79	11.8	58.18	100	0	P	H
													H
													H
		10442	49.94	-24.06	74	59.06	38.2	9.82	57.14	100	0	P	V
		15658	49.91	-24.09	74	55.5	40.79	11.8	58.18	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	49.85	-24.15	74	58.92	38.2	9.84	57.11	100	0	P	H
		15720	48.53	-25.47	74	53.98	40.87	11.8	58.12	100	0	P	H
													H
													H
		10480	51.75	-22.25	74	60.82	38.2	9.84	57.11	100	12	P	V
		10480	41.15	-12.85	54	50.22	38.2	9.84	57.11	100	12	A	V
		15720	49.27	-24.73	74	54.72	40.87	11.8	58.12	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

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 38 5190MHz		5149.25	64.84	-9.16	74	55.23	35.18	6.72	32.29	102	175	P	H
		5150	51.02	-2.98	54	41.41	35.18	6.72	32.29	102	175	A	H
	*	5188	105.44	-	-	95.77	35.22	6.73	32.28	102	175	P	H
	*	5188	95.26	-	-	85.59	35.22	6.73	32.28	102	175	A	H
		5359.24	54.36	-19.64	74	44.32	35.42	6.85	32.23	102	175	P	H
		5355.83	43.98	-10.02	54	33.96	35.42	6.83	32.23	102	175	A	H
		5148.35	56.33	-17.67	74	46.72	35.18	6.72	32.29	100	246	P	V
		5149.1	44.21	-9.79	54	34.6	35.18	6.72	32.29	100	246	A	V
	*	5192	94.32	-	-	84.6	35.24	6.75	32.27	100	246	P	V
	*	5192	84	-	-	74.28	35.24	6.75	32.27	100	246	A	V
		5381.79	52.9	-21.1	74	42.78	35.46	6.88	32.22	100	246	P	V
		5444.6	42.89	-11.11	54	32.66	35.52	6.92	32.21	100	246	A	V
802.11n HT40 CH 46 5230MHz		5148.65	55.83	-18.17	74	46.22	35.18	6.72	32.29	113	160	P	H
		5148.95	44.74	-9.26	54	35.13	35.18	6.72	32.29	113	160	A	H
	*	5228	105.33	-	-	95.55	35.28	6.76	32.26	113	160	P	H
	*	5228	95.38	-	-	85.6	35.28	6.76	32.26	113	160	A	H
		5376.29	54.35	-19.65	74	44.29	35.44	6.85	32.23	113	160	P	H
		5362.32	44.17	-9.83	54	34.11	35.44	6.85	32.23	113	160	A	H
		5020.4	52.31	-21.69	74	42.97	35.02	6.65	32.33	100	119	P	V
		5141.9	42.88	-11.12	54	33.27	35.18	6.72	32.29	100	119	A	V
	*	5228	93.43	-	-	83.65	35.28	6.76	32.26	100	119	P	V
	*	5228	83.43	-	-	73.65	35.28	6.76	32.26	100	119	A	V
		5375.96	53.12	-20.88	74	43.06	35.44	6.85	32.23	100	119	P	V
		5374.09	43	-11	54	32.94	35.44	6.85	32.23	100	119	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

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 38 5190MHz		10380	46.26	-27.74	74	55.42	38.2	9.81	57.17	100	0	P	H
		15570	45.67	-28.33	74	51.42	40.68	11.81	58.24	100	0	P	H
													H
													H
		10380	46.95	-27.05	74	56.11	38.2	9.81	57.17	100	0	P	V
		15570	45.47	-28.53	74	51.22	40.68	11.81	58.24	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	44.78	-29.22	74	53.88	38.2	9.83	57.13	100	0	P	H
		15690	45.61	-28.39	74	51.13	40.83	11.8	58.15	100	0	P	H
													H
													H
		10460	44.57	-29.43	74	53.67	38.2	9.83	57.13	100	0	P	V
		15690	44.39	-29.61	74	49.91	40.83	11.8	58.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

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 52 5260MHz		5150	54.54	-19.46	74	44.93	35.18	6.72	32.29	100	177	P	H
		5040.8	45.56	-8.44	54	36.17	35.06	6.65	32.32	100	177	A	H
	*	5258	111.25	-	-	101.44	35.3	6.77	32.26	100	177	P	H
	*	5258	100.93	-	-	91.12	35.3	6.77	32.26	100	177	A	H
		5402.36	56.24	-17.76	74	46.1	35.48	6.88	32.22	100	177	P	H
		5413.14	45.29	-8.71	54	35.1	35.5	6.9	32.21	100	177	A	H
		5113.25	52.96	-21.04	74	43.43	35.14	6.69	32.3	100	245	P	V
		5115.8	42.51	-11.49	54	32.98	35.14	6.69	32.3	100	245	A	V
	*	5262	98.59	-	-	88.74	35.32	6.79	32.26	100	245	P	V
	*	5262	88.27	-	-	78.42	35.32	6.79	32.26	100	245	A	V
		5412.04	52.97	-21.03	74	42.78	35.5	6.9	32.21	100	245	P	V
		5425.24	42.87	-11.13	54	32.68	35.5	6.9	32.21	100	245	A	V
802.11n HT20 CH 60 5300MHz		5148.05	56.7	-17.3	74	47.09	35.18	6.72	32.29	100	177	P	H
		5079.05	45.26	-8.74	54	35.79	35.1	6.68	32.31	100	177	A	H
	*	5298	110.57	-	-	100.66	35.36	6.8	32.25	100	177	P	H
	*	5298	100.86	-	-	90.95	35.36	6.8	32.25	100	177	A	H
		5350.77	58.36	-15.64	74	48.34	35.42	6.83	32.23	100	177	P	H
		5350.11	46.8	-7.2	54	36.78	35.42	6.83	32.23	100	177	A	H
		5051.6	52.29	-21.71	74	42.88	35.06	6.67	32.32	115	173	P	V
		5079.35	42.76	-11.24	54	33.29	35.1	6.68	32.31	115	173	A	V
	*	5298	104.49	-	-	94.58	35.36	6.8	32.25	115	173	P	V
	*	5298	94.19	-	-	84.28	35.36	6.8	32.25	115	173	A	V
		5353.74	55	-19	74	44.98	35.42	6.83	32.23	115	173	P	V
		5356.05	44.58	-9.42	54	34.54	35.42	6.85	32.23	115	173	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 64 5320MHz	*	5322	111.64	-	-	101.69	35.38	6.81	32.24	147	177	P	H
	*	5322	101.41	-	-	91.46	35.38	6.81	32.24	147	177	A	H
		5350.44	65.92	-8.08	74	55.9	35.42	6.83	32.23	147	177	P	H
		5351.1	51.03	-2.97	54	41.01	35.42	6.83	32.23	147	177	A	H
													H
													H
	*	5318	105.3	-	-	95.35	35.38	6.81	32.24	103	177	P	V
	*	5318	94.17	-	-	84.22	35.38	6.81	32.24	103	177	A	V
		5350.88	61.94	-12.06	74	51.92	35.42	6.83	32.23	103	177	P	V
		5350	46.81	-7.19	54	36.79	35.42	6.83	32.23	103	177	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

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 52 5260MHz		10522	49.53	-24.47	74	58.56	38.21	9.86	57.1	100	0	P	H
		15780	49.06	-24.94	74	54.41	40.93	11.8	58.08	100	0	P	H
													H
													H
		10518	50.55	-23.45	74	59.58	38.21	9.86	57.1	100	0	P	V
		15782	48.42	-25.58	74	53.74	40.95	11.8	58.07	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	50.43	-23.57	74	59.39	38.28	9.88	57.12	100	0	P	H
		15902	49.48	-24.52	74	54.58	41.1	11.77	57.97	100	0	P	H
													H
													H
		10600	53.16	-20.84	74	62.12	38.28	9.88	57.12	100	125	P	V
		10600	43.07	-10.93	54	52.03	38.28	9.88	57.12	100	125	A	V
		15898	49.63	-24.37	74	54.76	41.08	11.77	57.98	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10642	50.04	-23.96	74	58.96	38.31	9.9	57.13	100	0	P	H
		15960	48.11	-25.89	74	53.12	41.16	11.76	57.93	100	0	P	H
													H
													H
		10638	50.44	-23.56	74	59.36	38.31	9.9	57.13	100	0	P	V
		15960	46.45	-27.55	74	51.46	41.16	11.76	57.93	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

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 54 5270MHz		5106.2	54.79	-19.21	74	45.26	35.14	6.69	32.3	100	175	P	H
		5150	44.09	-9.91	54	34.48	35.18	6.72	32.29	100	175	A	H
	*	5268	107	-	-	97.15	35.32	6.79	32.26	100	175	P	H
	*	5268	95.7	-	-	85.85	35.32	6.79	32.26	100	175	A	H
		5354.62	57.02	-16.98	74	47	35.42	6.83	32.23	100	175	P	H
		5363.86	46.07	-7.93	54	36.01	35.44	6.85	32.23	100	175	A	H
		5016.2	52.15	-21.85	74	42.82	35.02	6.64	32.33	104	166	P	V
		5132.75	42.5	-11.5	54	32.92	35.16	6.71	32.29	104	166	A	V
	*	5268	96.06	-	-	86.21	35.32	6.79	32.26	104	166	P	V
	*	5268	85.83	-	-	75.98	35.32	6.79	32.26	104	166	A	V
		5425.9	53.93	-20.07	74	43.74	35.5	6.9	32.21	104	166	P	V
		5415.67	43.4	-10.6	54	33.21	35.5	6.9	32.21	104	166	A	V
802.11n HT40 CH 62 5310MHz		5144.45	54.48	-19.52	74	44.87	35.18	6.72	32.29	100	174	P	H
		5147.45	44.11	-9.89	54	34.5	35.18	6.72	32.29	100	174	A	H
	*	5308	106.49	-	-	96.57	35.36	6.81	32.25	100	174	P	H
	*	5308	96.02	-	-	86.1	35.36	6.81	32.25	100	174	A	H
		5364.19	66.89	-7.11	74	56.83	35.44	6.85	32.23	100	174	P	H
		5350	51.86	-2.14	54	41.84	35.42	6.83	32.23	100	174	A	H
		5077.25	52.06	-21.94	74	42.59	35.1	6.68	32.31	102	171	P	V
		5123.3	42.35	-11.65	54	32.77	35.16	6.71	32.29	102	171	A	V
	*	5312	99.32	-	-	89.37	35.38	6.81	32.24	102	171	P	V
	*	5312	89.13	-	-	79.18	35.38	6.81	32.24	102	171	A	V
		5354.73	63.26	-10.74	74	53.24	35.42	6.83	32.23	102	171	P	V
		5350.33	47.52	-6.48	54	37.5	35.42	6.83	32.23	102	171	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

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 54 5270MHz		10540	44.95	-29.05	74	53.97	38.23	9.86	57.11	100	0	P	H
		15810	44.4	-29.6	74	49.68	40.97	11.8	58.05	100	0	P	H
													H
													H
		10540	45.77	-28.23	74	54.79	38.23	9.86	57.11	100	0	P	V
		15810	45.74	-28.26	74	51.02	40.97	11.8	58.05	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	45.33	-28.67	74	54.26	38.3	9.89	57.12	100	0	P	H
		15930	44.6	-29.4	74	49.68	41.12	11.76	57.96	100	0	P	H
													H
													H
		10620	45.02	-28.98	74	53.95	38.3	9.89	57.12	100	0	P	V
		15930	46.32	-27.68	74	51.4	41.12	11.76	57.96	100	0	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

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 100 5500MHz		5469.84	66.14	-7.86	74	55.84	35.56	6.94	32.2	136	109	P	H
		5469.84	51.6	-2.4	54	41.3	35.56	6.94	32.2	136	109	A	H
	*	5502	112.12	-	-	101.73	35.6	6.98	32.19	136	109	P	H
	*	5502	100.6	-	-	90.21	35.6	6.98	32.19	136	109	A	H
													H
													H
		5466.16	58.32	-15.68	74	48.02	35.56	6.94	32.2	123	181	P	V
		5470	46.36	-7.64	54	36.06	35.56	6.94	32.2	123	181	A	V
	*	5499	102.98	-	-	92.61	35.6	6.96	32.19	123	181	P	V
	*	5499	93.89	-	-	83.52	35.6	6.96	32.19	123	181	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5373.68	55.96	-18.04	74	45.9	35.44	6.85	32.23	134	223	P	H
		5373.2	46.58	-7.42	54	36.52	35.44	6.85	32.23	134	223	A	H
	*	5578	109.71	-	-	99.18	35.66	7.04	32.17	134	223	P	H
	*	5578	99.83	-	-	89.3	35.66	7.04	32.17	134	223	A	H
		5735.4	55.06	-18.94	74	44.22	35.79	7.16	32.11	134	223	P	H
		5735	44.5	-9.5	54	33.66	35.79	7.16	32.11	134	223	A	H
		5353.52	53.03	-20.97	74	43.01	35.42	6.83	32.23	119	202	P	V
		5373.36	43.02	-10.98	54	32.96	35.44	6.85	32.23	119	202	A	V
	*	5582	105.18	-	-	94.63	35.67	7.04	32.16	119	202	P	V
	*	5582	94.43	-	-	83.88	35.67	7.04	32.16	119	202	A	V
		5743.16	54.13	-19.87	74	43.27	35.79	7.18	32.11	119	202	P	V
		5755.64	43.71	-10.29	54	32.83	35.81	7.18	32.11	119	202	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 140 5700MHz	*	5702	108.36	-	-	97.56	35.77	7.15	32.12	103	191	P	H
	*	5702	98.92	-	-	88.12	35.77	7.15	32.12	103	191	A	H
		5726.92	67.3	-6.7	74	56.48	35.78	7.16	32.12	103	191	P	H
		5725	51.03	-2.97	54	40.21	35.78	7.16	32.12	103	191	A	H
													H
													H
	*	5698	100.61	-	-	89.84	35.75	7.15	32.13	100	203	P	V
	*	5698	91.3	-	-	80.53	35.75	7.15	32.13	100	203	A	V
		5726.76	60.17	-13.83	74	49.35	35.78	7.16	32.12	100	203	P	V
		5725.08	46.04	-7.96	54	35.22	35.78	7.16	32.12	100	203	A	V
													V
													V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



15E band 3 - 5470~5725MHz

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 100 5500MHz		11002	51.97	-22.03	74	60.49	38.6	10.08	57.2	100	133	P	H
		11002	41.71	-12.29	54	50.23	38.6	10.08	57.2	100	133	A	H
		16500	48.87	-25.13	74	52.39	41.4	12.18	57.1	100	0	P	H
													H
		11000	57.22	-16.78	74	65.74	38.6	10.08	57.2	100	211	P	V
		11000	47.17	-6.83	54	55.69	38.6	10.08	57.2	100	211	A	V
		16500	51.41	-22.59	74	54.93	41.4	12.18	57.1	100	38	P	V
		16500	41.35	-12.65	54	44.87	41.4	12.18	57.1	100	38	A	V
802.11n HT20 CH 116 5580MHz		11160	52.32	-21.68	74	60.54	38.73	10.15	57.1	100	15	P	H
		11160	42.25	-11.75	54	50.47	38.73	10.15	57.1	100	15	A	H
		16740	49.92	-24.08	74	52.96	41.74	12.32	57.1	100	0	P	H
													H
		11160	57.23	-16.77	74	65.45	38.73	10.15	57.1	100	185	P	V
		11160	47.27	-6.73	54	55.49	38.73	10.15	57.1	100	185	A	V
		16738	51.56	-22.44	74	54.6	41.74	12.32	57.1	100	147	P	V
		16738	41.73	-12.27	54	44.77	41.74	12.32	57.1	100	147	A	V
802.11n HT20 CH 140 5700MHz		11402	53.3	-20.7	74	61.06	38.92	10.28	56.96	100	54	P	H
		11402	43.27	-10.73	54	51.03	38.92	10.28	56.96	100	54	A	H
		17100	47.83	-26.17	74	50.65	42.06	12.48	57.36	100	0	P	H
													H
		11402	58.63	-15.37	74	66.39	38.92	10.28	56.96	100	133	P	V
		11402	48.48	-5.52	54	56.24	38.92	10.28	56.96	100	133	A	V
		17100	48.34	-25.66	74	51.16	42.06	12.48	57.36	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

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 102 5510MHz		5466.32	66.18	-7.82	74	55.88	35.56	6.94	32.2	107	189	P	H
		5468.88	50.16	-3.84	54	39.86	35.56	6.94	32.2	107	189	A	H
	*	5508	104.19	-	-	93.8	35.6	6.98	32.19	107	189	P	H
	*	5508	93.94	-	-	83.55	35.6	6.98	32.19	107	189	A	H
		5731.4	54.3	-19.7	74	43.48	35.78	7.16	32.12	107	189	P	H
		5733.48	43.64	-10.36	54	32.82	35.78	7.16	32.12	107	189	A	H
		5468.24	61.72	-12.28	74	51.42	35.56	6.94	32.2	100	177	P	V
		5469.52	45.66	-8.34	54	35.36	35.56	6.94	32.2	100	177	A	V
	*	5508	96.87	-	-	86.48	35.6	6.98	32.19	100	177	P	V
	*	5508	86.54	-	-	76.15	35.6	6.98	32.19	100	177	A	V
		5739.4	53.03	-20.97	74	42.19	35.79	7.16	32.11	100	177	P	V
		5735.72	43.58	-10.42	54	32.74	35.79	7.16	32.11	100	177	A	V
802.11n HT40 CH 110 5550MHz		5470	60.2	-13.8	74	49.9	35.56	6.94	32.2	105	191	P	H
		5469.36	47.95	-6.05	54	37.65	35.56	6.94	32.2	105	191	A	H
	*	5548	106.4	-	-	95.91	35.64	7.02	32.17	105	191	P	H
	*	5548	96.21	-	-	85.72	35.64	7.02	32.17	105	191	A	H
		5740.84	54.92	-19.08	74	44.06	35.79	7.18	32.11	105	191	P	H
		5726.04	44.33	-9.67	54	33.51	35.78	7.16	32.12	105	191	A	H
		5468.4	56.05	-17.95	74	45.75	35.56	6.94	32.2	100	177	P	V
		5468.88	44.82	-9.18	54	34.52	35.56	6.94	32.2	100	177	A	V
	*	5548	99.11	-	-	88.62	35.64	7.02	32.17	100	177	P	V
	*	5548	89.44	-	-	78.95	35.64	7.02	32.17	100	177	A	V
		5753	53.47	-20.53	74	42.59	35.81	7.18	32.11	100	177	P	V
		5763.96	43.58	-10.42	54	32.7	35.81	7.18	32.11	100	177	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 134 5670MHz		5450.48	55.06	-18.94	74	44.8	35.54	6.92	32.2	103	155	P	H
		5460.08	44.72	-9.28	54	34.44	35.54	6.94	32.2	103	155	A	H
	*	5672	105	-	-	94.26	35.74	7.13	32.13	103	155	P	H
	*	5672	94.6	-	-	83.86	35.74	7.13	32.13	103	155	A	H
		5727.4	68.36	-5.64	74	57.54	35.78	7.16	32.12	103	155	P	H
		5725.16	50.79	-3.21	54	39.97	35.78	7.16	32.12	103	155	A	H
		5450.48	53.87	-20.13	74	43.61	35.54	6.92	32.2	100	199	P	V
		5449.84	43.13	-10.87	54	32.87	35.54	6.92	32.2	100	199	A	V
	*	5668	97.78	-	-	87.07	35.74	7.1	32.13	100	199	P	V
	*	5668	88.09	-	-	77.38	35.74	7.1	32.13	100	199	A	V
		5727.24	57.95	-16.05	74	47.13	35.78	7.16	32.12	100	199	P	V
		5725	45.09	-8.91	54	34.27	35.78	7.16	32.12	100	199	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

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 102 5510MHz		11022	49	-25	74	57.46	38.63	10.09	57.18	100	0	P	H
		16530	45.62	-28.38	74	49.07	41.45	12.2	57.1	100	0	P	H
													H
													H
		11018	52.36	-21.64	74	60.86	38.61	10.08	57.19	100	18	P	V
		11018	42.38	-11.62	54	50.88	38.61	10.08	57.19	100	18	A	V
		16530	47.12	-26.88	74	50.57	41.45	12.2	57.1	100	0	P	V
													V
802.11n HT40 CH 110 5550MHz		11100	46.47	-27.53	74	54.8	38.68	10.13	57.14	100	0	P	H
		16650	46.43	-27.57	74	49.63	41.62	12.28	57.1	100	0	P	H
													H
													H
		11100	54.21	-19.79	74	62.54	38.68	10.13	57.14	100	13	P	V
		11100	44.48	-9.52	54	52.81	38.68	10.13	57.14	100	13	A	V
		16650	48.63	-25.37	74	51.83	41.62	12.28	57.1	100	0	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	48.86	-25.14	74	56.74	38.87	10.25	57	100	0	P	H
		17010	47.43	-26.57	74	50.04	42.09	12.44	57.14	100	0	P	H
													H
													H
		11340	53.89	-20.11	74	61.77	38.87	10.25	57	115	27	P	V
		11340	44.08	-9.92	54	51.96	38.87	10.25	57	115	27	A	V
		17010	47.59	-26.41	74	50.2	42.09	12.44	57.14	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

[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”.