



Appendix A. Radiated Spurious Emission

Test Engineer :	Jet Lui, Kyle Jhuang and Karl Hou	Temperature :	23~24°C
		Relative Humidity :	45~46%

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		5149.85	61.16	-12.84	74	51.55	35.18	6.72	32.29	108	249	P	H
		5150	45.48	-8.52	54	35.87	35.18	6.72	32.29	108	249	A	H
	*	5178	94.1	-	-	84.43	35.22	6.73	32.28	108	249	A	H
	*	5178	105.48	-	-	95.81	35.22	6.73	32.28	108	249	P	H
		5149.85	60.66	-13.34	74	51.05	35.18	6.72	32.29	100	170	P	V
		5150	45.95	-8.05	54	36.34	35.18	6.72	32.29	100	170	A	V
	*	5182	94.47	-	-	84.8	35.22	6.73	32.28	100	170	A	V
	*	5182	105.44	-	-	95.77	35.22	6.73	32.28	100	170	P	V
802.11a CH 44 5220MHz		5149.55	56.3	-17.7	74	46.69	35.18	6.72	32.29	101	142	P	H
		5146.85	44.45	-9.55	54	34.84	35.18	6.72	32.29	101	142	A	H
	*	5218	96.75	-	-	87	35.26	6.76	32.27	101	142	A	H
	*	5218	108.43	-	-	98.68	35.26	6.76	32.27	101	142	P	H
		5352.42	55.04	-18.96	74	45.02	35.42	6.83	32.23	101	142	P	H
		5360.23	43.89	-10.11	54	33.85	35.42	6.85	32.23	101	142	A	H
		5146.85	55.94	-18.06	74	46.33	35.18	6.72	32.29	108	178	P	V
		5150	44.28	-9.72	54	34.67	35.18	6.72	32.29	108	178	A	V
	*	5222	97.03	-	-	87.28	35.26	6.76	32.27	108	178	A	V
	*	5222	108.88	-	-	99.13	35.26	6.76	32.27	108	178	P	V
		5373.65	54.76	-19.24	74	44.7	35.44	6.85	32.23	108	178	P	V
		5350	43.59	-10.41	54	33.57	35.42	6.83	32.23	108	178	A	V



802.11a CH 48 5240MHz		5148.05	54.29	-19.71	74	44.68	35.18	6.72	32.29	101	144	P	H
		5145.2	43.44	-10.56	54	33.83	35.18	6.72	32.29	101	144	A	H
	*	5242	97.65	-	-	87.84	35.3	6.77	32.26	101	144	A	H
	*	5242	109.12	-	-	99.31	35.3	6.77	32.26	101	144	P	H
		5350.88	56.47	-17.53	74	46.45	35.42	6.83	32.23	101	144	P	H
		5359.9	44.77	-9.23	54	34.73	35.42	6.85	32.23	101	144	A	H
		5130.05	54.07	-19.93	74	44.49	35.16	6.71	32.29	105	158	P	V
		5141.15	43.1	-10.9	54	33.49	35.18	6.72	32.29	105	158	A	V
	*	5242	98.22	-	-	88.41	35.3	6.77	32.26	105	158	A	V
	*	5242	109.29	-	-	99.48	35.3	6.77	32.26	105	158	P	V
		5364.3	57.07	-16.93	74	47.01	35.44	6.85	32.23	105	158	P	V
		5359.24	44.41	-9.59	54	34.37	35.42	6.85	32.23	105	158	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		10359	44.24	-29.76	74	53.42	38.2	9.8	57.18	100	0	P	H
		15540	50.84	-23.16	74	56.66	40.64	11.81	58.27	100	0	P	H
		10359	44.05	-29.95	74	53.23	38.2	9.8	57.18	100	0	P	V
		15540	53.54	-20.46	74	59.36	40.64	11.81	58.27	100	0	P	V
802.11a CH 44 5220MHz		10440	43.35	-30.65	74	52.47	38.2	9.82	57.14	100	0	P	H
		15660	53.29	-20.71	74	58.88	40.79	11.8	58.18	100	0	P	H
		10440	43.36	-30.64	74	52.48	38.2	9.82	57.14	100	0	P	V
		15658	46.1	-7.9	54	51.69	40.79	11.8	58.18	100	194	A	V
		15658	60.29	-13.71	74	65.88	40.79	11.8	58.18	100	194	P	V
802.11a CH 48 5240MHz		10479	45	-29	74	54.07	38.2	9.84	57.11	100	0	P	H
		15720	53.25	-20.75	74	58.7	40.87	11.8	58.12	100	0	P	H
		10479	44.1	-29.9	74	53.17	38.2	9.84	57.11	100	0	P	V
		15720	45.94	-8.06	54	51.39	40.87	11.8	58.12	100	195	A	V
		15720	58.94	-15.06	74	64.39	40.87	11.8	58.12	100	195	P	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(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 36 5180MHz		5148.95	63.62	-10.38	74	54.01	35.18	6.72	32.29	102	142	P	H
		5150	45.96	-8.04	54	36.35	35.18	6.72	32.29	102	142	A	H
	*	5182	94.04	-	-	84.37	35.22	6.73	32.28	102	142	A	H
	*	5182	105.95	-	-	96.28	35.22	6.73	32.28	102	142	P	H
		5148.65	64.26	-9.74	74	54.65	35.18	6.72	32.29	108	158	P	V
		5150	47.01	-6.99	54	37.4	35.18	6.72	32.29	108	158	A	V
	*	5182	94.32	-	-	84.65	35.22	6.73	32.28	108	158	A	V
	*	5182	105.61	-	-	95.94	35.22	6.73	32.28	108	158	P	V
802.11n HT20 CH 44 5220MHz		5148.8	56.46	-17.54	74	46.85	35.18	6.72	32.29	102	144	P	H
		5146.85	44.29	-9.71	54	34.68	35.18	6.72	32.29	102	144	A	H
	*	5218	96.49	-	-	86.74	35.26	6.76	32.27	102	144	A	H
	*	5218	108.51	-	-	98.76	35.26	6.76	32.27	102	144	P	H
		5376.51	55.08	-18.92	74	45.02	35.44	6.85	32.23	102	144	P	H
		5359.9	43.68	-10.32	54	33.64	35.42	6.85	32.23	102	144	A	H
		5148.65	56.29	-17.71	74	46.68	35.18	6.72	32.29	109	176	P	V
		5150	44.62	-9.38	54	35.01	35.18	6.72	32.29	109	176	A	V
	*	5222	95.73	-	-	85.98	35.26	6.76	32.27	109	176	A	V
	*	5222	107.38	-	-	97.63	35.26	6.76	32.27	109	176	P	V
		5375.74	52.38	-21.62	74	42.32	35.44	6.85	32.23	109	176	P	V
		5359.13	42.33	-11.67	54	32.29	35.42	6.85	32.23	109	176	A	V



802.11n HT20 CH 48 5240MHz		5096.34	54.23	-19.77	74	44.72	35.12	6.69	32.3	100	146	P	H
		5141.79	42.9	-11.1	54	33.29	35.18	6.72	32.29	100	146	A	H
	*	5242	96.31	-	-	86.5	35.3	6.77	32.26	100	146	A	H
	*	5242	108.06	-	-	98.25	35.3	6.77	32.26	100	146	P	H
		5367.16	56.56	-17.44	74	46.5	35.44	6.85	32.23	100	146	P	H
		5359.57	45.06	-8.94	54	35.02	35.42	6.85	32.23	100	146	A	H
		5106.98	54.21	-19.79	74	44.68	35.14	6.69	32.3	108	166	P	V
		5145.2	43.01	-10.99	54	33.4	35.18	6.72	32.29	108	166	A	V
	*	5242	95.94	-	-	86.13	35.3	6.77	32.26	108	166	A	V
	*	5242	107.22	-	-	97.41	35.3	6.77	32.26	108	166	P	V
		5369.47	52.95	-21.05	74	42.89	35.44	6.85	32.23	108	166	P	V
		5350.11	42.79	-11.21	54	32.77	35.42	6.83	32.23	108	166	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		10360	44.35	-29.65	74	53.53	38.2	9.8	57.18	100	0	P	H
		15540	49.76	-24.24	74	55.58	40.64	11.81	58.27	100	0	P	H
		10360	44.26	-29.74	74	53.44	38.2	9.8	57.18	100	0	P	V
		15540	42.5	-11.5	54	48.32	40.64	11.81	58.27	127	189	A	V
		15540	53.73	-20.27	74	59.55	40.64	11.81	58.27	127	189	P	V
802.11n HT20 CH 44 5220MHz		10440	44.51	-29.49	74	53.63	38.2	9.82	57.14	100	0	P	H
		15660	42.43	-11.57	54	48.02	40.79	11.8	58.18	114	168	A	H
		15660	53.54	-20.46	74	59.13	40.79	11.8	58.18	114	168	P	H
		10440	44.78	-29.22	74	53.9	38.2	9.82	57.14	100	0	P	V
		15660	43.68	-10.32	54	49.27	40.79	11.8	58.18	129	196	A	V
		15660	55.95	-18.05	74	61.54	40.79	11.8	58.18	129	196	P	V
802.11n HT20 CH 48 5240MHz		10480	43.92	-30.08	74	52.99	38.2	9.84	57.11	100	0	P	H
		15720	44.08	-9.92	54	49.53	40.87	11.8	58.12	117	163	A	H
		15720	54.64	-19.36	74	60.09	40.87	11.8	58.12	117	163	P	H
		10480	44.59	-29.41	74	53.66	38.2	9.84	57.11	100	0	P	V
		15720	46.93	-7.07	54	52.38	40.87	11.8	58.12	126	186	A	V
		15720	58.02	-15.98	74	63.47	40.87	11.8	58.12	126	186	P	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5149.55	62.04	-11.96	74	52.43	35.18	6.72	32.29	100	152	P	H
		5149.25	50.12	-3.88	54	40.51	35.18	6.72	32.29	100	152	A	H
	*	5188	103.31	-	-	93.64	35.22	6.73	32.28	100	152	P	H
	*	5188	93.12	-	-	83.45	35.22	6.73	32.28	100	152	A	H
		5402.58	53.4	-20.6	74	43.26	35.48	6.88	32.22	100	152	P	H
		5359.9	43.05	-10.95	54	33.01	35.42	6.85	32.23	100	152	A	H
		5145.05	62.04	-11.96	74	52.43	35.18	6.72	32.29	103	143	P	V
		5149.85	48.91	-5.09	54	39.3	35.18	6.72	32.29	103	143	A	V
	*	5188	102.56	-	-	92.89	35.22	6.73	32.28	103	143	P	V
	*	5188	92.78	-	-	83.11	35.22	6.73	32.28	103	143	A	V
		5356.27	52.96	-21.04	74	42.92	35.42	6.85	32.23	103	143	P	V
		5361.22	42.56	-11.44	54	32.5	35.44	6.85	32.23	103	143	A	V
802.11n HT40 CH 46 5230MHz		5149.4	56.37	-17.63	74	46.76	35.18	6.72	32.29	100	146	P	H
		5148.5	44.26	-9.74	54	34.65	35.18	6.72	32.29	100	146	A	H
	*	5228	95	-	-	85.22	35.28	6.76	32.26	100	146	A	H
	*	5228	105.28	-	-	95.5	35.28	6.76	32.26	100	146	P	H
		5362.76	55.24	-18.76	74	45.18	35.44	6.85	32.23	100	146	P	H
		5359.46	44.86	-9.14	54	34.82	35.42	6.85	32.23	100	146	A	H
		5149.25	55.34	-18.66	74	45.73	35.18	6.72	32.29	111	194	P	V
		5150	44.18	-9.82	54	34.57	35.18	6.72	32.29	111	194	A	V
	*	5228	92.37	-	-	82.59	35.28	6.76	32.26	111	194	A	V
	*	5228	102.73	-	-	92.95	35.28	6.76	32.26	111	194	P	V
		5370.13	52.34	-21.66	74	42.28	35.44	6.85	32.23	111	194	P	V
		5357.48	42.64	-11.36	54	32.6	35.42	6.85	32.23	111	194	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		10380	43.82	-30.18	74	52.98	38.2	9.81	57.17	100	0	P	H
		15570	46.28	-27.72	74	52.03	40.68	11.81	58.24	100	0	P	H
		10380	43.2	-30.8	74	52.36	38.2	9.81	57.17	100	0	P	V
		15568	49.37	-24.63	74	55.12	40.68	11.81	58.24	100	0	P	V
802.11n HT40 CH 46 5230MHz		10460	43.19	-30.81	74	52.29	38.2	9.83	57.13	100	0	P	H
		15692	51.57	-22.43	74	57.09	40.83	11.8	58.15	100	0	P	H
		10460	44.18	-29.82	74	53.28	38.2	9.83	57.13	100	0	P	V
		15688	53.4	-20.6	74	58.92	40.83	11.8	58.15	100	0	P	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	Preampl	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		5122.7	54.26	-19.74	74	44.68	35.16	6.71	32.29	100	145	P	H
		5149.7	42.81	-11.19	54	33.2	35.18	6.72	32.29	100	145	A	H
	*	5262	97.22	-	-	87.37	35.32	6.79	32.26	100	145	A	H
	*	5262	108.9	-	-	99.05	35.32	6.79	32.26	100	145	P	H
		5355.06	57.91	-16.09	74	47.89	35.42	6.83	32.23	100	145	P	H
		5359.79	45.49	-8.51	54	35.45	35.42	6.85	32.23	100	145	A	H
		5096.75	55.05	-18.95	74	45.54	35.12	6.69	32.3	100	193	P	V
		5144.15	43.21	-10.79	54	33.6	35.18	6.72	32.29	100	193	A	V
	*	5258	94.99	-	-	85.18	35.3	6.77	32.26	100	193	A	V
	*	5258	106.76	-	-	96.95	35.3	6.77	32.26	100	193	P	V
		5358.03	52.8	-21.2	74	42.76	35.42	6.85	32.23	100	193	P	V
		5361.44	42.71	-11.29	54	32.65	35.44	6.85	32.23	100	193	A	V
802.11a CH 60 5300MHz		5136.35	53.56	-20.44	74	43.98	35.16	6.71	32.29	100	145	P	H
		5144	42.95	-11.05	54	33.34	35.18	6.72	32.29	100	145	A	H
	*	5299	98.33	-	-	88.42	35.36	6.8	32.25	100	145	A	H
	*	5299	109.82	-	-	99.91	35.36	6.8	32.25	100	145	P	H
		5350.33	67.69	-6.31	74	57.67	35.42	6.83	32.23	100	145	P	H
		5350	48.72	-5.28	54	38.7	35.42	6.83	32.23	100	145	A	H
		5142.35	54.61	-19.39	74	45	35.18	6.72	32.29	100	195	P	V
		5144.15	43.57	-10.43	54	33.96	35.18	6.72	32.29	100	195	A	V
	*	5302	93.9	-	-	83.99	35.36	6.8	32.25	100	195	A	V
	*	5302	105.74	-	-	95.83	35.36	6.8	32.25	100	195	P	V
		5351.87	59.88	-14.12	74	49.86	35.42	6.83	32.23	100	195	P	V
		5350	44.15	-9.85	54	34.13	35.42	6.83	32.23	100	195	A	V



802.11a CH 64 5320MHz	*	5318	94.96	-	-	85.01	35.38	6.81	32.24	100	157	A	H
	*	5318	106.03	-	-	96.08	35.38	6.81	32.24	100	157	P	H
		5352.31	61.4	-12.6	74	51.38	35.42	6.83	32.23	100	157	P	H
		5350	45.35	-8.65	54	35.33	35.42	6.83	32.23	100	157	A	H
	*	5318	94.61	-	-	84.66	35.38	6.81	32.24	114	144	A	V
	*	5318	105.88	-	-	95.93	35.38	6.81	32.24	114	144	P	V
		5359.46	60.5	-13.5	74	50.46	35.42	6.85	32.23	114	144	P	V
		5350	44.8	-9.2	54	34.78	35.42	6.83	32.23	114	144	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 (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		10521	43.81	-30.19	74	52.84	38.21	9.86	57.1	100	0	P	H
		15780	53.04	-20.96	74	58.39	40.93	11.8	58.08	100	0	P	H
		10521	43.59	-30.41	74	52.62	38.21	9.86	57.1	100	0	P	V
		15780	42.26	-11.74	54	47.61	40.93	11.8	58.08	100	188	A	V
		15780	54.47	-19.53	74	59.82	40.93	11.8	58.08	100	188	P	V
802.11a CH 60 5300MHz		10599	43.88	-30.12	74	52.84	38.28	9.88	57.12	100	0	P	H
		15902	53.33	-20.67	74	58.43	41.1	11.77	57.97	100	0	P	H
		10599	42.34	-31.66	74	51.3	38.28	9.88	57.12	100	0	P	V
		15900	45.75	-8.25	54	50.88	41.08	11.77	57.98	100	193	A	V
		15900	58.27	-15.73	74	63.4	41.08	11.77	57.98	100	193	P	V
802.11a CH 64 5320MHz		10641	43.67	-30.33	74	52.59	38.31	9.9	57.13	100	0	P	H
		15960	50.07	-23.93	74	55.08	41.16	11.76	57.93	100	0	P	H
		10641	42.4	-31.6	74	51.32	38.31	9.9	57.13	100	0	P	V
		15960	51.92	-22.08	74	56.93	41.16	11.76	57.93	100	0	P	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5095.55	53.8	-20.2	74	44.29	35.12	6.69	32.3	100	139	P	H
		5141.15	42.73	-11.27	54	33.12	35.18	6.72	32.29	100	139	A	H
	*	5258	96.6	-	-	86.79	35.3	6.77	32.26	100	139	A	H
	*	5258	108.42	-	-	98.61	35.3	6.77	32.26	100	139	P	H
		5356.49	56.58	-17.42	74	46.54	35.42	6.85	32.23	100	139	P	H
		5362.21	44.97	-9.03	54	34.91	35.44	6.85	32.23	100	139	A	H
		5106.65	54.15	-19.85	74	44.62	35.14	6.69	32.3	100	194	P	V
		5144.9	42.9	-11.1	54	33.29	35.18	6.72	32.29	100	194	A	V
	*	5262	92.99	-	-	83.14	35.32	6.79	32.26	100	194	A	V
	*	5262	104.66	-	-	94.81	35.32	6.79	32.26	100	194	P	V
		5370.24	52.36	-21.64	74	42.3	35.44	6.85	32.23	100	194	P	V
		5362.21	42.59	-11.41	54	32.53	35.44	6.85	32.23	100	194	A	V
802.11n HT20 CH 60 5300MHz		5143.1	54.23	-19.77	74	44.62	35.18	6.72	32.29	100	137	P	H
		5143.85	42.9	-11.1	54	33.29	35.18	6.72	32.29	100	137	A	H
	*	5298	97.44	-	-	87.53	35.36	6.8	32.25	100	137	A	H
	*	5298	109.26	-	-	99.35	35.36	6.8	32.25	100	137	P	H
		5354.95	67.45	-6.55	74	57.43	35.42	6.83	32.23	100	137	P	H
		5350	47.89	-6.11	54	37.87	35.42	6.83	32.23	100	137	A	H
		5006.75	55.15	-18.85	74	45.82	35.02	6.64	32.33	100	143	P	V
		5139.05	43.76	-10.24	54	34.18	35.16	6.71	32.29	100	143	A	V
	*	5298	92.48	-	-	82.57	35.36	6.8	32.25	100	143	A	V
	*	5298	104.26	-	-	94.35	35.36	6.8	32.25	100	143	P	V
		5355.61	63.59	-10.41	74	53.57	35.42	6.83	32.23	100	143	P	V
		5350	46.6	-7.4	54	36.58	35.42	6.83	32.23	100	143	A	V



802.11n HT20 CH 64 5320MHz	*	5318	94.68	-	-	84.73	35.38	6.81	32.24	100	157	A	H
	*	5318	106.05	-	-	96.1	35.38	6.81	32.24	100	157	P	H
		5351.98	61.83	-12.17	74	51.81	35.42	6.83	32.23	100	157	P	H
		5350	45.82	-8.18	54	35.8	35.42	6.83	32.23	100	157	A	H
	*	5322	93.49	-	-	83.54	35.38	6.81	32.24	103	144	A	V
	*	5322	105.18	-	-	95.23	35.38	6.81	32.24	103	144	P	V
		5353.96	60.95	-13.05	74	50.93	35.42	6.83	32.23	103	144	P	V
		5350	45.31	-8.69	54	35.29	35.42	6.83	32.23	103	144	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 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 52 5260MHz		10520	44.29	-29.71	74	53.32	38.21	9.86	57.1	100	0	P	H
		15780	44.31	-9.69	54	49.66	40.93	11.8	58.08	112	164	A	H
		15780	54.75	-19.25	74	60.1	40.93	11.8	58.08	112	164	P	H
		10520	43.86	-30.14	74	52.89	38.21	9.86	57.1	100	0	P	V
		15780	47.64	-6.36	54	52.99	40.93	11.8	58.08	127	193	A	V
		15780	58.21	-15.79	74	63.56	40.93	11.8	58.08	127	193	P	V
802.11n HT20 CH 60 5300MHz		10600	43.97	-30.03	74	52.93	38.28	9.88	57.12	100	0	P	H
		15900	44.55	-9.45	54	49.68	41.08	11.77	57.98	112	164	A	H
		15900	55.09	-18.91	74	60.22	41.08	11.77	57.98	112	164	P	H
		10600	43.46	-30.54	74	52.42	38.28	9.88	57.12	100	0	P	V
		15900	47.83	-6.17	54	52.96	41.08	11.77	57.98	128	194	A	V
		15900	58.56	-15.44	74	63.69	41.08	11.77	57.98	128	194	P	V
802.11n HT20 CH 64 5320MHz		10640	43.4	-30.6	74	52.32	38.31	9.9	57.13	100	0	P	H
		15960	50.8	-23.2	74	55.81	41.16	11.76	57.93	100	0	P	H
		10640	43.03	-30.97	74	51.95	38.31	9.9	57.13	100	0	P	V
		15960	49.79	-24.21	74	54.8	41.16	11.76	57.93	100	0	P	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		5146.7	53.18	-20.82	74	43.57	35.18	6.72	32.29	100	148	P	H
		5140.4	42.56	-11.44	54	32.95	35.18	6.72	32.29	100	148	A	H
	*	5272	96.31	-	-	86.46	35.32	6.79	32.26	100	148	A	H
	*	5272	106.27	-	-	96.42	35.32	6.79	32.26	100	148	P	H
		5351.21	62.48	-11.52	74	52.46	35.42	6.83	32.23	100	148	P	H
		5350.22	48.88	-5.12	54	38.86	35.42	6.83	32.23	100	148	A	H
		5148.65	52.38	-21.62	74	42.77	35.18	6.72	32.29	109	193	P	V
		5148.35	42.52	-11.48	54	32.91	35.18	6.72	32.29	109	193	A	V
	*	5268	93.78	-	-	83.93	35.32	6.79	32.26	109	193	A	V
	*	5268	103.34	-	-	93.49	35.32	6.79	32.26	109	193	P	V
		5352.42	56.84	-17.16	74	46.82	35.42	6.83	32.23	109	193	P	V
		5350.11	44.8	-9.2	54	34.78	35.42	6.83	32.23	109	193	A	V
802.11n HT40 CH 62 5310MHz		5141	52.75	-21.25	74	43.14	35.18	6.72	32.29	102	227	P	H
		5148.8	42.55	-11.45	54	32.94	35.18	6.72	32.29	102	227	A	H
	*	5312	103.61	-	-	93.66	35.38	6.81	32.24	102	227	P	H
	*	5312	93.43	-	-	83.48	35.38	6.81	32.24	102	227	A	H
		5350.88	66.13	-7.87	74	56.11	35.42	6.83	32.23	102	227	P	H
		5350.77	51.1	-2.9	54	41.08	35.42	6.83	32.23	102	227	A	H
		5056.55	52.51	-21.49	74	43.07	35.08	6.67	32.31	100	150	P	V
		5006.3	42.13	-11.87	54	32.8	35.02	6.64	32.33	100	150	A	V
	*	5312	101.91	-	-	91.96	35.38	6.81	32.24	100	150	P	V
	*	5312	92.35	-	-	82.4	35.38	6.81	32.24	100	150	A	V
		5350.11	61.45	-12.55	74	51.43	35.42	6.83	32.23	100	150	P	V
		5350.55	48.96	-5.04	54	38.94	35.42	6.83	32.23	100	150	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		10539	43.14	-30.86	74	52.16	38.23	9.86	57.11	100	0	P	H
		15812	51.9	-22.1	74	57.18	40.97	11.8	58.05	100	0	P	H
802.11n HT40 CH 62 5310MHz		10620	43.06	-30.94	74	51.99	38.3	9.89	57.12	100	0	P	H
		15932	48.46	-25.54	74	53.54	41.12	11.76	57.96	100	0	P	H
		10620	43.47	-30.53	74	52.4	38.3	9.89	57.12	100	0	P	V
		15930	47.51	-26.49	74	52.59	41.12	11.76	57.96	100	0	P	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		5469.04	64.16	-9.84	74	53.86	35.56	6.94	32.2	102	245	P	H
		5470	47.19	-6.81	54	36.89	35.56	6.94	32.2	102	245	A	H
	*	5498	97.03	-	-	86.66	35.6	6.96	32.19	102	245	A	H
	*	5498	108.11	-	-	97.74	35.6	6.96	32.19	102	245	P	H
		5469.68	60.71	-13.29	74	50.41	35.56	6.94	32.2	100	158	P	V
		5470	45.67	-8.33	54	35.37	35.56	6.94	32.2	100	158	A	V
	*	5502	94.54	-	-	84.15	35.6	6.98	32.19	100	158	A	V
	*	5502	105.91	-	-	95.52	35.6	6.98	32.19	100	158	P	V
802.11a CH 116 5580MHz		5447.6	55.59	-18.41	74	45.33	35.54	6.92	32.2	100	246	P	H
		5470	44.3	-9.7	54	34	35.56	6.94	32.2	100	246	A	H
	*	5581	100.48	-	-	89.95	35.66	7.04	32.17	100	246	A	H
	*	5581	110.43	-	-	99.9	35.66	7.04	32.17	100	246	P	H
		5738.92	54.42	-19.58	74	43.58	35.79	7.16	32.11	100	246	P	H
		5736.6	43.56	-10.44	54	32.72	35.79	7.16	32.11	100	246	A	H
		5446.48	54.08	-19.92	74	43.82	35.54	6.92	32.2	100	161	P	V
		5469.84	43.69	-10.31	54	33.39	35.56	6.94	32.2	100	161	A	V
	*	5578	97.41	-	-	86.88	35.66	7.04	32.17	100	161	A	V
	*	5578	108.74	-	-	98.21	35.66	7.04	32.17	100	161	P	V
		5749.88	53.78	-20.22	74	42.92	35.79	7.18	32.11	100	161	P	V
		5737	43.49	-10.51	54	32.65	35.79	7.16	32.11	100	161	A	V



802.11a CH 140 5700MHz	*	5698	92.92	-	-	82.15	35.75	7.15	32.13	100	254	A	H
	*	5698	103.61	-	-	92.84	35.75	7.15	32.13	100	254	P	H
		5725.4	58.45	-15.55	74	47.63	35.78	7.16	32.12	100	254	P	H
		5725	45.67	-8.33	54	34.85	35.78	7.16	32.12	100	254	A	H
	*	5702	92.96	-	-	82.16	35.77	7.15	32.12	107	186	A	V
	*	5702	103.78	-	-	92.98	35.77	7.15	32.12	107	186	P	V
		5726.2	58.88	-15.12	74	48.06	35.78	7.16	32.12	107	186	P	V
		5725	45.82	-8.18	54	35	35.78	7.16	32.12	107	186	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 802.11a (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		11001	43.92	-30.08	74	52.44	38.6	10.08	57.2	100	0	P	H
		16500	48.8	-25.2	74	52.32	41.4	12.18	57.1	100	0	P	H
		11001	43.46	-30.54	74	51.98	38.6	10.08	57.2	100	0	P	V
		16500	49.13	-24.87	74	52.65	41.4	12.18	57.1	100	0	P	V
802.11a CH 116 5580MHz		11160	44.45	-29.55	74	52.67	38.73	10.15	57.1	100	0	P	H
		16740	48.72	-5.28	54	51.76	41.74	12.32	57.1	100	155	A	H
		16740	60.2	-13.8	74	63.24	41.74	12.32	57.1	100	155	P	H
		11160	43.67	-30.33	74	51.89	38.73	10.15	57.1	100	0	P	V
		16740	49.09	-4.91	54	52.13	41.74	12.32	57.1	102	170	A	V
		16740	62.97	-11.03	74	66.01	41.74	12.32	57.1	102	170	P	V
802.11a CH 140 5700MHz		11400	44.63	-29.37	74	52.39	38.92	10.28	56.96	100	0	P	H
		17100	42.84	-11.16	54	45.66	42.06	12.48	57.36	100	144	A	H
		17100	55.06	-18.94	74	57.88	42.06	12.48	57.36	100	144	P	H
		11400	43.9	-30.1	74	51.66	38.92	10.28	56.96	100	0	P	V
		17100	47.07	-6.93	54	49.89	42.06	12.48	57.36	100	195	A	V
		17100	58.26	-15.74	74	61.08	42.06	12.48	57.36	100	195	P	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		5468.88	64.3	-9.7	74	54	35.56	6.94	32.2	100	207	P	H
		5470	47.96	-6.04	54	37.66	35.56	6.94	32.2	100	207	A	H
	*	5498	96.16	-	-	85.79	35.6	6.96	32.19	100	207	A	H
	*	5498	107.54	-	-	97.17	35.6	6.96	32.19	100	207	P	H
		5469.68	64.63	-9.37	74	54.33	35.56	6.94	32.2	100	158	P	V
		5470	46.51	-7.49	54	36.21	35.56	6.94	32.2	100	158	A	V
	*	5502	93.41	-	-	83.02	35.6	6.98	32.19	100	158	A	V
	*	5502	105.59	-	-	95.2	35.6	6.98	32.19	100	158	P	V
802.11n HT20 CH 116 5580MHz		5468.4	54.84	-19.16	74	44.54	35.56	6.94	32.2	100	249	P	H
		5469.36	43.82	-10.18	54	33.52	35.56	6.94	32.2	100	249	A	H
	*	5582	98.77	-	-	88.22	35.67	7.04	32.16	100	249	A	H
	*	5582	110.2	-	-	99.65	35.67	7.04	32.16	100	249	P	H
		5738.28	55.53	-18.47	74	44.69	35.79	7.16	32.11	100	249	P	H
		5736.6	43.8	-10.2	54	32.96	35.79	7.16	32.11	100	249	A	H
		5451.6	53.89	-20.11	74	43.63	35.54	6.92	32.2	100	163	P	V
		5469.68	43.57	-10.43	54	33.27	35.56	6.94	32.2	100	163	A	V
	*	5582	97.1	-	-	86.55	35.67	7.04	32.16	100	163	A	V
	*	5582	108.36	-	-	97.81	35.67	7.04	32.16	100	163	P	V
		5734.28	53.73	-20.27	74	42.91	35.78	7.16	32.12	100	163	P	V
		5736.36	43.36	-10.64	54	32.52	35.79	7.16	32.11	100	163	A	V



802.11n HT20 CH 140 5700MHz	*	5698	93.31	-	-	82.54	35.75	7.15	32.13	100	253	A	H
	*	5698	104.13	-	-	93.36	35.75	7.15	32.13	100	253	P	H
		5725	59.34	-14.66	74	48.52	35.78	7.16	32.12	100	253	P	H
		5725	46.4	-7.6	54	35.58	35.78	7.16	32.12	100	253	A	H
	*	5702	92.07	-	-	81.27	35.77	7.15	32.12	100	186	A	V
	*	5702	103.45	-	-	92.65	35.77	7.15	32.12	100	186	P	V
		5725.08	58.37	-15.63	74	47.55	35.78	7.16	32.12	100	186	P	V
		5725	46.01	-7.99	54	35.19	35.78	7.16	32.12	100	186	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 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 100 5500MHz		11000	43.73	-30.27	74	52.25	38.6	10.08	57.2	100	0	P	H
		16500	50.54	-23.46	74	54.06	41.4	12.18	57.1	100	0	P	H
		11000	45.18	-28.82	74	53.7	38.6	10.08	57.2	100	0	P	V
		16500	48.9	-25.1	74	52.42	41.4	12.18	57.1	100	0	P	V
802.11n HT20 CH 116 5580MHz		11160	45.16	-28.84	74	53.38	38.73	10.15	57.1	100	0	P	H
		16740	50.58	-3.42	54	53.62	41.74	12.32	57.1	115	196	A	H
		16740	60.56	-13.44	74	63.6	41.74	12.32	57.1	115	196	P	H
		11160	44.23	-29.77	74	52.45	38.73	10.15	57.1	100	0	P	V
		16740	49.41	-4.59	54	52.45	41.74	12.32	57.1	125	165	A	V
		16740	59.43	-14.57	74	62.47	41.74	12.32	57.1	125	165	P	V
802.11n HT20 CH 140 5700MHz		11400	45.64	-28.36	74	53.4	38.92	10.28	56.96	100	0	P	H
		17100	45.28	-8.72	54	48.1	42.06	12.48	57.36	116	191	A	H
		17100	55.45	-18.55	74	58.27	42.06	12.48	57.36	116	191	P	H
		11400	44.34	-29.66	74	52.1	38.92	10.28	56.96	100	0	P	V
		17100	49.15	-4.85	54	51.97	42.06	12.48	57.36	124	168	A	V
		17100	58.98	-15.02	74	61.8	42.06	12.48	57.36	124	168	P	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		5459.92	61.98	-12.02	74	51.7	35.54	6.94	32.2	100	229	P	H
		5469.04	66.53	-1.77	68.3	56.23	35.56	6.94	32.2	100	229	P	H
		5459.56	48.38	-5.62	54	38.1	35.54	6.94	32.2	100	229	A	H
	*	5508	104.35	-	-	93.96	35.6	6.98	32.19	100	229	P	H
		5508	93.95	-----	-----	83.56	35.6	6.98	32.19	100	229	A	H
		5763	52.95	-15.35	68.3	42.07	35.81	7.18	32.11	100	229	P	H
		5457.84	59.33	-14.67	74	49.05	35.54	6.94	32.2	109	164	P	V
		5467.12	62.1	-6.2	68.3	51.8	35.56	6.94	32.2	109	164	P	V
		5460	45.98	-8.02	54	35.7	35.54	6.94	32.2	109	164	A	V
	*	5512	100.77	-	-	90.38	35.6	6.98	32.19	109	164	P	V
		5512	90.95	-----	-----	80.56	35.6	6.98	32.19	109	164	A	V
		5761	53.28	-15.02	68.3	42.4	35.81	7.18	32.11	109	164	P	V
802.11n HT40 CH 110 5550MHz		5464.08	62.43	-11.57	74	52.13	35.56	6.94	32.2	100	206	P	H
		5469.68	49.28	-4.72	54	38.98	35.56	6.94	32.2	100	206	A	H
	*	5548	97.4	-	-	86.91	35.64	7.02	32.17	100	206	A	H
	*	5548	107.58	-	-	97.09	35.64	7.02	32.17	100	206	P	H
		5755.88	53.45	-20.55	74	42.57	35.81	7.18	32.11	100	206	P	H
		5726.04	43.42	-10.58	54	32.6	35.78	7.16	32.12	100	206	A	H
		5469.36	58.98	-15.02	74	48.68	35.56	6.94	32.2	110	161	P	V
		5469.36	47.08	-6.92	54	36.78	35.56	6.94	32.2	110	161	A	V
	*	5552	95.61	-	-	85.12	35.64	7.02	32.17	110	161	A	V
	*	5552	105.64	-	-	95.15	35.64	7.02	32.17	110	161	P	V
		5726.2	53.09	-20.91	74	42.27	35.78	7.16	32.12	110	161	P	V
		5731.32	43.16	-10.84	54	32.34	35.78	7.16	32.12	110	161	A	V



802.11n HT40 CH 134 5670MHz		5414.96	52.63	-21.37	74	42.44	35.5	6.9	32.21	107	249	P	H
		5426.8	42.9	-11.1	54	32.71	35.5	6.9	32.21	107	249	A	H
	*	5669	95.11	-	-	84.37	35.74	7.13	32.13	107	249	A	H
	*	5669	104.88	-	-	94.14	35.74	7.13	32.13	107	249	P	H
		5727.96	62.39	-11.61	74	51.57	35.78	7.16	32.12	107	249	P	H
		5725	49.71	-4.29	54	38.89	35.78	7.16	32.12	107	249	A	H
		5416.24	52.26	-21.74	74	42.07	35.5	6.9	32.21	109	187	P	V
		5430.32	42.63	-11.37	54	32.4	35.52	6.92	32.21	109	187	A	V
	*	5672	94.27	-	-	83.53	35.74	7.13	32.13	109	187	A	V
	*	5672	103.84	-	-	93.1	35.74	7.13	32.13	109	187	P	V
		5727.32	60.5	-13.5	74	49.68	35.78	7.16	32.12	109	187	P	V
		5725.08	47.95	-6.05	54	37.13	35.78	7.16	32.12	109	187	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11019	43.19	-30.81	74	51.69	38.61	10.08	57.19	100	0	P	H
		16530	47.03	-26.97	74	50.48	41.45	12.2	57.1	100	0	P	H
		11019	44.1	-29.9	74	52.6	38.61	10.08	57.19	100	0	P	V
		16530	46.19	-27.81	74	49.64	41.45	12.2	57.1	100	0	P	V
802.11n HT40 CH 110 5550MHz		11100	43.6	-30.4	74	51.93	38.68	10.13	57.14	100	0	P	H
		16652	53.68	-20.32	74	56.88	41.62	12.28	57.1	100	0	P	H
		11100	45.41	-28.59	74	53.74	38.68	10.13	57.14	100	0	P	V
		16652	46.75	-7.25	54	49.95	41.62	12.28	57.1	124	173	A	V
		16652	54.36	-19.64	74	57.56	41.62	12.28	57.1	124	173	P	V
802.11n HT40 CH 134 5670MHz		11340	43.93	-30.07	74	51.81	38.87	10.25	57	100	0	P	H
		17008	50.19	-3.81	54	52.8	42.09	12.44	57.14	100	164	A	H
		17008	60.91	-13.09	74	63.52	42.09	12.44	57.14	100	164	P	H
		11340	44.23	-29.77	74	52.11	38.87	10.25	57	100	0	P	V
		17008	51.56	-2.44	54	54.17	42.09	12.44	57.14	106	178	A	V
		17008	59.72	-14.28	74	62.33	42.09	12.44	57.14	106	178	P	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)

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 LF		47.82	33.5	-6.5	40	55.16	9.35	0.79	31.8			P	H
	!	131.79	38.28	-5.22	43.5	56.97	11.86	1.23	31.78	123	200	P	H
		278.4	33.33	-12.67	46	50.54	12.82	1.73	31.76			P	H
		302.8	39.15	-6.85	46	55.82	13.3	1.79	31.76			P	H
	!	421.1	40.2	-5.8	46	53.23	16.72	2.07	31.82			P	H
		439.3	38.89	-7.11	46	51.63	16.99	2.11	31.84			P	H
		121.26	20.34	-23.16	43.5	39.41	11.52	1.19	31.78			P	V
		153.93	27.59	-15.91	43.5	47.28	10.8	1.29	31.78			P	V
		212.52	24.91	-18.59	43.5	45.95	9.22	1.52	31.78			P	V
		302.1	38.8	-7.2	46	55.47	13.3	1.79	31.76			P	V
		427.4	39.14	-6.86	46	52.02	16.86	2.08	31.82	102	55	P	V
		773.2	32.78	-13.22	46	39.84	22.1	2.79	31.95			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		(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		5149.1	59.73	-14.27	74	50.12	35.18	6.72	32.29	102	168	P	H
		5149.85	45.69	-8.31	54	36.08	35.18	6.72	32.29	102	168	A	H
	*	5182	93.3	-	-	83.63	35.22	6.73	32.28	102	168	A	H
	*	5182	104.77	-	-	95.1	35.22	6.73	32.28	102	168	P	H
		5146.25	59.07	-14.93	74	49.46	35.18	6.72	32.29	100	194	P	V
		5149.4	46.52	-7.48	54	36.91	35.18	6.72	32.29	100	194	A	V
	*	5182	96.26	-	-	86.59	35.22	6.73	32.28	100	194	A	V
	*	5182	107.66	-	-	97.99	35.22	6.73	32.28	100	194	P	V
802.11n HT20 CH 44 5220MHz		5144.45	53.97	-20.03	74	44.36	35.18	6.72	32.29	102	142	P	H
		5149.4	43.95	-10.05	54	34.34	35.18	6.72	32.29	102	142	A	H
	*	5222	93.04	-	-	83.29	35.26	6.76	32.27	102	142	A	H
	*	5222	104.48	-	-	94.73	35.26	6.76	32.27	102	142	P	H
		5416	53.06	-20.94	74	42.87	35.5	6.9	32.21	102	142	P	H
		5382.78	43.15	-10.85	54	33.03	35.46	6.88	32.22	102	142	A	H
		5149.25	58.11	-15.89	74	48.5	35.18	6.72	32.29	122	183	P	V
		5149.7	45.74	-8.26	54	36.13	35.18	6.72	32.29	122	183	A	V
	*	5218	97.72	-	-	87.97	35.26	6.76	32.27	122	183	A	V
	*	5218	108.54	-	-	98.79	35.26	6.76	32.27	122	183	P	V
		5367.05	52.4	-21.6	74	42.34	35.44	6.85	32.23	122	183	P	V
		5362.21	42.92	-11.08	54	32.86	35.44	6.85	32.23	122	183	A	V



802.11n HT20 CH 48 5240MHz		5102.15	52.75	-21.25	74	43.24	35.12	6.69	32.3	100	143	P	H
		5148.05	42.95	-11.05	54	33.34	35.18	6.72	32.29	100	143	A	H
	*	5238	93.67	-	-	83.88	35.28	6.77	32.26	100	143	A	H
	*	5238	104.04	-	-	94.25	35.28	6.77	32.26	100	143	P	H
		5361	53.8	-20.2	74	43.74	35.44	6.85	32.23	100	143	P	H
		5359.24	43.65	-10.35	54	33.61	35.42	6.85	32.23	100	143	A	H
		5142.35	56.29	-17.71	74	46.68	35.18	6.72	32.29	109	175	P	V
		5136.95	44.64	-9.36	54	35.06	35.16	6.71	32.29	109	175	A	V
	*	5242	97.76	-	-	87.95	35.3	6.77	32.26	109	175	A	V
	*	5242	108.94	-	-	99.13	35.3	6.77	32.26	109	175	P	V
		5362.21	53.5	-20.5	74	43.44	35.44	6.85	32.23	109	175	P	V
		5351.1	43.04	-10.96	54	33.02	35.42	6.83	32.23	109	175	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		10360	44.22	-29.78	74	53.4	38.2	9.8	57.18	100	0	P	H
		15540	49.68	-24.32	74	55.5	40.64	11.81	58.27	100	0	P	H
		10360	44.46	-29.54	74	53.64	38.2	9.8	57.18	100	0	P	V
		15540	44.62	-9.38	54	50.44	40.64	11.81	58.27	124	168	A	V
		15540	54.15	-19.85	74	59.97	40.64	11.81	58.27	124	168	P	V
802.11n HT20 CH 44 5220MHz		10440	43.48	-30.52	74	52.6	38.2	9.82	57.14	100	0	P	H
		15660	46.73	-27.27	74	52.32	40.79	11.8	58.18	100	0	P	H
		10440	42.33	-31.67	74	51.45	38.2	9.82	57.14	100	0	P	V
		15660	43.63	-10.37	54	49.22	40.79	11.8	58.18	125	167	A	V
		15660	52.47	-21.53	74	58.06	40.79	11.8	58.18	125	167	P	V
802.11n HT20 CH 48 5240MHz		10480	44.12	-29.88	74	53.19	38.2	9.84	57.11	100	0	P	H
		15720	48.17	-25.83	74	53.62	40.87	11.8	58.12	100	0	P	H
		10480	43.76	-30.24	74	52.83	38.2	9.84	57.11	100	0	P	V
		15720	50.08	-23.92	74	55.53	40.87	11.8	58.12	100	0	P	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		5149.4	65.22	-8.78	74	55.61	35.18	6.72	32.29	102	144	P	H
		5150	52.28	-1.72	54	42.67	35.18	6.72	32.29	102	144	A	H
	*	5188	90.63	-	-	80.96	35.22	6.73	32.28	102	144	A	H
	*	5188	101.94	-	-	92.27	35.22	6.73	32.28	102	144	P	H
		5385.42	52.74	-21.26	74	42.62	35.46	6.88	32.22	102	144	P	H
		5361.77	42.92	-11.08	54	32.86	35.44	6.85	32.23	102	144	A	H
		5146.7	66.24	-7.76	74	56.63	35.18	6.72	32.29	110	171	P	V
		5148.65	52.33	-1.67	54	42.72	35.18	6.72	32.29	110	171	A	V
	*	5188	97.36	-	-	87.69	35.22	6.73	32.28	110	171	A	V
	*	5188	107.59	-	-	97.92	35.22	6.73	32.28	110	171	P	V
		5398.95	53.18	-20.82	74	43.04	35.48	6.88	32.22	110	171	P	V
		5455.27	42.75	-11.25	54	32.47	35.54	6.94	32.2	110	171	A	V
802.11n HT40 CH 46 5230MHz		5150	54.83	-19.17	74	45.22	35.18	6.72	32.29	100	252	P	H
		5149.85	44.11	-9.89	54	34.5	35.18	6.72	32.29	100	252	A	H
	*	5228	93.42	-	-	83.64	35.28	6.76	32.26	100	252	A	H
	*	5228	103.45	-	-	93.67	35.28	6.76	32.26	100	252	P	H
		5451.09	53.67	-20.33	74	43.41	35.54	6.92	32.2	100	252	P	H
		5435.91	43.09	-10.91	54	32.86	35.52	6.92	32.21	100	252	A	H
		5148.95	55.31	-18.69	74	45.7	35.18	6.72	32.29	102	137	P	V
		5140.1	44.84	-9.16	54	35.23	35.18	6.72	32.29	102	137	A	V
	*	5228	98.27	-	-	88.49	35.28	6.76	32.26	102	137	A	V
	*	5228	108.01	-	-	98.23	35.28	6.76	32.26	102	137	P	V
		5357.59	54.02	-19.98	74	43.98	35.42	6.85	32.23	102	137	P	V
		5351.1	43.65	-10.35	54	33.63	35.42	6.83	32.23	102	137	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	43.61	-30.39	74	52.77	38.2	9.81	57.17	100	0	P	H
		15568	47.45	-26.55	74	53.2	40.68	11.81	58.24	100	0	P	H
		10382	44.26	-29.74	74	53.42	38.2	9.81	57.17	100	0	P	V
		15568	48.52	-25.48	74	54.27	40.68	11.81	58.24	100	0	P	V
802.11n HT40 CH 46 5230MHz		10458	44.87	-29.13	74	53.97	38.2	9.83	57.13	100	0	P	H
		15688	47.93	-26.07	74	53.45	40.83	11.8	58.15	100	0	P	H
		10462	44.77	-29.23	74	53.86	38.2	9.83	57.12	100	0	P	V
		15688	48.24	-25.76	74	53.76	40.83	11.8	58.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11ac 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 42 5210MHz		5140.55	60.73	-13.27	74	51.12	35.18	6.72	32.29	102	149	P	H
		5150	47.08	-6.92	54	37.47	35.18	6.72	32.29	102	149	A	H
	*	5208	87.18	-	-	77.44	35.26	6.75	32.27	102	149	A	H
	*	5208	96.88	-	-	87.14	35.26	6.75	32.27	102	149	P	H
		5377.83	53.03	-20.97	74	42.94	35.46	6.85	32.22	102	149	P	H
		5361.44	43.22	-10.78	54	33.16	35.44	6.85	32.23	102	149	A	H
		5144.75	63.2	-10.8	74	53.59	35.18	6.72	32.29	100	197	P	V
		5149.1	48.94	-5.06	54	39.33	35.18	6.72	32.29	100	197	A	V
	*	5212	89.97	-	-	80.22	35.26	6.76	32.27	100	197	A	V
	*	5212	99.89	-	-	90.14	35.26	6.76	32.27	100	197	P	V
		5351.43	52.34	-21.66	74	42.32	35.42	6.83	32.23	100	197	P	V
		5360.89	42.78	-11.22	54	32.72	35.44	6.85	32.23	100	197	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 802.11ac 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 CH 42 5210MHz		10419	42.21	-31.79	74	51.34	38.2	9.82	57.15	100	0	P	H
		15630	45.24	-28.76	74	50.86	40.77	11.8	58.19	100	0	P	H
		10419	42.96	-31.04	74	52.09	38.2	9.82	57.15	100	0	P	V
		15630	44.77	-29.23	74	50.39	40.77	11.8	58.19	100	0	P	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		5133.95	53.69	-20.31	74	44.11	35.16	6.71	32.29	100	145	P	H
		5148.8	43.59	-10.41	54	33.98	35.18	6.72	32.29	100	145	A	H
	*	5258	97.58	-	-	87.77	35.3	6.77	32.26	100	145	A	H
	*	5258	108.53	-	-	98.72	35.3	6.77	32.26	100	145	P	H
		5361.33	56.83	-17.17	74	46.77	35.44	6.85	32.23	100	145	P	H
		5362.21	45.43	-8.57	54	35.37	35.44	6.85	32.23	100	145	A	H
		5148.2	57.92	-16.08	74	48.31	35.18	6.72	32.29	108	171	P	V
		5149.4	46.8	-7.2	54	37.19	35.18	6.72	32.29	108	171	A	V
	*	5258	102.32	-	-	92.51	35.3	6.77	32.26	108	171	A	V
	*	5258	113.04	-	-	103.23	35.3	6.77	32.26	108	171	P	V
		5350.77	54.61	-19.39	74	44.59	35.42	6.83	32.23	108	171	P	V
		5358.14	43.96	-10.04	54	33.92	35.42	6.85	32.23	108	171	A	V
802.11n HT20 CH 60 5300MHz		5077.25	53.54	-20.46	74	44.07	35.1	6.68	32.31	111	144	P	H
		5144.6	43.44	-10.56	54	33.83	35.18	6.72	32.29	111	144	A	H
	*	5302	98.72	-	-	88.81	35.36	6.8	32.25	111	144	A	H
	*	5302	109.03	-	-	99.12	35.36	6.8	32.25	111	144	P	H
		5358.91	57.49	-16.51	74	47.45	35.42	6.85	32.23	111	144	P	H
		5350.66	46.36	-7.64	54	36.34	35.42	6.83	32.23	111	144	A	H
		5142.65	58.14	-15.86	74	48.53	35.18	6.72	32.29	108	170	P	V
		5143.4	46.35	-7.65	54	36.74	35.18	6.72	32.29	108	170	A	V
	*	5298	100.31	-	-	90.4	35.36	6.8	32.25	108	170	A	V
	*	5298	110.93	-	-	101.02	35.36	6.8	32.25	108	170	P	V
		5350.66	55.41	-18.59	74	45.39	35.42	6.83	32.23	108	170	P	V
		5357.81	44.97	-9.03	54	34.93	35.42	6.85	32.23	108	170	A	V



802.11n HT20 CH 64 5320MHz	*	5318	94.75	-	-	84.8	35.38	6.81	32.24	101	174	A	H
	*	5318	104.52	-	-	94.57	35.38	6.81	32.24	101	174	P	H
		5350.66	57.01	-16.99	74	46.99	35.42	6.83	32.23	101	174	P	H
		5350	45.12	-8.88	54	35.1	35.42	6.83	32.23	101	174	A	H
	*	5318	96.85	-	-	86.9	35.38	6.81	32.24	107	182	A	V
	*	5318	106.93	-	-	96.98	35.38	6.81	32.24	107	182	P	V
		5352.97	56.26	-17.74	74	46.24	35.42	6.83	32.23	107	182	P	V
		5350.44	45.22	-8.78	54	35.2	35.42	6.83	32.23	107	182	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 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		10520	44.1	-29.9	74	53.13	38.21	9.86	57.1	100	0	P	H
		15780	47.23	-6.77	54	52.58	40.93	11.8	58.08	118	164	A	H
		15780	55.43	-18.57	74	60.78	40.93	11.8	58.08	118	164	P	H
		10520	44.2	-29.8	74	53.23	38.21	9.86	57.1	100	0	P	V
		15780	50.43	-3.57	54	55.78	40.93	11.8	58.08	124	168	A	V
		15780	59.46	-14.54	74	64.81	40.93	11.8	58.08	124	168	P	V
802.11n HT20 CH 60 5300MHz		10600	43.97	-30.03	74	52.93	38.28	9.88	57.12	100	0	P	H
		15900	48.07	-5.93	54	53.2	41.08	11.77	57.98	115	172	A	H
		15900	56.89	-17.11	74	62.02	41.08	11.77	57.98	115	172	P	H
		10600	42.41	-31.59	74	51.37	38.28	9.88	57.12	100	0	P	V
		15900	52.08	-1.92	54	57.21	41.08	11.77	57.98	127	169	A	V
		15900	61.34	-12.66	74	66.47	41.08	11.77	57.98	127	169	P	V
802.11n HT20 CH 64 5320MHz		10640	44.91	-29.09	74	53.83	38.31	9.9	57.13	100	0	P	H
		15960	48.99	-25.01	74	54	41.16	11.76	57.93	100	0	P	H
		10640	42.68	-31.32	74	51.6	38.31	9.9	57.13	100	0	P	V
		15960	44.31	-9.69	54	49.32	41.16	11.76	57.93	127	169	A	V
		15960	53.17	-20.83	74	58.18	41.16	11.76	57.93	127	169	P	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		5090.3	52.98	-21.02	74	43.48	35.12	6.68	32.3	137	148	P	H
		5142.35	42.66	-11.34	54	33.05	35.18	6.72	32.29	137	148	A	H
	*	5268	91.89	-	-	82.04	35.32	6.79	32.26	137	148	A	H
	*	5268	101.72	-	-	91.87	35.32	6.79	32.26	137	148	P	H
		5436.13	43.52	-10.48	54	33.29	35.52	6.92	32.21	137	148	A	H
		5148.5	53.63	-20.37	74	44.02	35.18	6.72	32.29	101	149	P	V
		5146.55	43.38	-10.62	54	33.77	35.18	6.72	32.29	101	149	A	V
	*	5272	96.66	-	-	86.81	35.32	6.79	32.26	101	149	A	V
	*	5272	106.19	-	-	96.34	35.32	6.79	32.26	101	149	P	V
		5361.66	55.83	-18.17	74	45.77	35.44	6.85	32.23	101	149	P	V
		5350.77	44.21	-9.79	54	34.19	35.42	6.83	32.23	101	149	A	V
802.11n HT40 CH 62 5310MHz		5119.55	52.68	-21.32	74	43.13	35.14	6.71	32.3	100	144	P	H
		5140.85	42.49	-11.51	54	32.88	35.18	6.72	32.29	100	144	A	H
	*	5308	90.76	-	-	80.84	35.36	6.81	32.25	100	144	A	H
	*	5308	101.05	-	-	91.13	35.36	6.81	32.25	100	144	P	H
		5350.66	59.15	-14.85	74	49.13	35.42	6.83	32.23	100	144	P	H
		5360.56	46.86	-7.14	54	36.8	35.44	6.85	32.23	100	144	A	H
		5147.45	53.95	-20.05	74	44.34	35.18	6.72	32.29	102	139	P	V
		5141.9	43.25	-10.75	54	33.64	35.18	6.72	32.29	102	139	A	V
	*	5308	94.25	-	-	84.33	35.36	6.81	32.25	102	139	A	V
	*	5308	103.99	-	-	94.07	35.36	6.81	32.25	102	139	P	V
		5354.07	67.61	-6.39	74	57.59	35.42	6.83	32.23	102	139	P	V
		5350.44	53.97	-0.03	54	43.95	35.42	6.83	32.23	102	139	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		10542	44.75	-29.25	74	53.77	38.23	9.86	57.11	100	0	P	H
		15812	47.95	-26.05	74	53.23	40.97	11.8	58.05	100	0	P	H
		10539	44.07	-29.93	74	53.09	38.23	9.86	57.11	100	0	P	V
		15808	50.57	-23.43	74	55.85	40.97	11.8	58.05	100	0	P	V
802.11n HT40 CH 62 5310MHz		10620	44.65	-29.35	74	53.58	38.3	9.89	57.12	100	0	P	H
		15932	47.3	-26.7	74	52.38	41.12	11.76	57.96	100	0	P	H
		10618	44.55	-29.45	74	53.48	38.3	9.89	57.12	100	0	P	V
		15928	49.57	-24.43	74	54.65	41.12	11.76	57.96	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz
WIFI 802.11ac 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 58 5290MHz		5139.35	52.65	-21.35	74	43.07	35.16	6.71	32.29	100	147	P	H
		5147.3	42.84	-11.16	54	33.23	35.18	6.72	32.29	100	147	A	H
	*	5292	87.1	-	-	77.21	35.34	6.8	32.25	100	147	A	H
	*	5292	97.65	-	-	87.76	35.34	6.8	32.25	100	147	P	H
		5351.65	63.17	-10.83	74	53.15	35.42	6.83	32.23	100	147	P	H
		5350.44	47.68	-6.32	54	37.66	35.42	6.83	32.23	100	147	A	H
		5118.5	52.92	-21.08	74	43.37	35.14	6.71	32.3	126	135	P	V
		5149.85	42.79	-11.21	54	33.18	35.18	6.72	32.29	126	135	A	V
	*	5292	91.17	-	-	81.28	35.34	6.8	32.25	126	135	A	V
	*	5292	101.2	-	-	91.31	35.34	6.8	32.25	126	135	P	V
		5350.11	65.84	-8.16	74	55.82	35.42	6.83	32.23	126	135	P	V
		5350.44	52.96	-1.04	54	42.94	35.42	6.83	32.23	126	135	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 802.11ac 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 CH 58 5290MHz		10581	42.39	-31.61	74	51.37	38.27	9.87	57.12	100	0	P	H
		15870	45.74	-28.26	74	50.9	41.06	11.78	58	100	0	P	H
		10581	43.16	-30.84	74	52.14	38.27	9.87	57.12	100	0	P	V
		15870	47.11	-26.89	74	52.27	41.06	11.78	58	100	0	P	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		5460.56	56.84	-17.16	74	46.56	35.54	6.94	32.2	100	228	P	H
		5469.2	45.76	-8.24	54	35.46	35.56	6.94	32.2	100	228	A	H
	*	5502	97.23	-	-	86.84	35.6	6.98	32.19	100	228	A	H
	*	5502	108.98	-	-	98.59	35.6	6.98	32.19	100	228	P	H
		5469.2	56.23	-17.77	74	45.93	35.56	6.94	32.2	109	158	P	V
		5469.2	45.06	-8.94	54	34.76	35.56	6.94	32.2	109	158	A	V
	*	5500	95.19	-	-	84.8	35.6	6.98	32.19	109	158	A	V
	*	5500	105.77	-	-	95.38	35.6	6.98	32.19	109	158	P	V
802.11n HT20 CH 140 5700MHz	*	5702	96.51	-	-	85.71	35.77	7.15	32.12	119	208	A	H
	*	5702	107.96	-	-	97.16	35.77	7.15	32.12	119	208	P	H
		5728.68	62.58	-11.42	74	51.76	35.78	7.16	32.12	119	208	P	H
		5725.24	48.18	-5.82	54	37.36	35.78	7.16	32.12	119	208	A	H
	*	5698	96.02	-	-	85.25	35.75	7.15	32.13	106	168	A	V
	*	5698	106.94	-	-	96.17	35.75	7.15	32.13	106	168	P	V
		5726.68	61.87	-12.13	74	51.05	35.78	7.16	32.12	106	168	P	V
		5725.08	48.04	-5.96	54	37.22	35.78	7.16	32.12	106	168	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 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		11000	43.3	-30.7	74	51.82	38.6	10.08	57.2	100	0	P	H
		16500	47.79	-26.21	74	51.31	41.4	12.18	57.1	100	0	P	H
		11000	43.49	-30.51	74	52.01	38.6	10.08	57.2	100	0	P	V
		16500	47.87	-26.13	74	51.39	41.4	12.18	57.1	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	45.41	-28.59	74	53.17	38.92	10.28	56.96	100	0	P	H
		17100	43.8	-10.2	54	46.62	42.06	12.48	57.36	114	168	A	H
		17100	53.05	-20.95	74	55.87	42.06	12.48	57.36	114	168	P	H
		11400	44	-30	74	51.76	38.92	10.28	56.96	100	0	P	V
		17100	43.69	-10.31	54	46.51	42.06	12.48	57.36	123	174	A	V
		17100	52.89	-21.11	74	55.71	42.06	12.48	57.36	123	174	P	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		5468.24	65.99	-8.01	74	55.69	35.56	6.94	32.2	149	245	P	H
		5469.68	51.89	-2.11	54	41.59	35.56	6.94	32.2	149	245	A	H
	*	5508	94.56	-	-	84.17	35.6	6.98	32.19	149	245	A	H
	*	5508	104.23	-	-	93.84	35.6	6.98	32.19	149	245	P	H
		5730.12	53.84	-20.16	74	43.02	35.78	7.16	32.12	149	245	P	H
		5738.44	43.53	-10.47	54	32.69	35.79	7.16	32.11	149	245	A	H
		5469.52	66.58	-7.42	74	56.28	35.56	6.94	32.2	100	164	P	V
		5470	52.62	-1.38	54	42.32	35.56	6.94	32.2	100	164	A	V
	*	5512	90.41	-	-	80.02	35.6	6.98	32.19	100	164	A	V
	*	5512	100.13	-	-	89.74	35.6	6.98	32.19	100	164	P	V
		5730.52	53.53	-20.47	74	42.71	35.78	7.16	32.12	100	164	P	V
		5753.72	43.44	-10.56	54	32.56	35.81	7.18	32.11	100	164	A	V
802.11n HT40 CH 134 5670MHz		5428.72	53.79	-20.21	74	43.56	35.52	6.92	32.21	147	253	P	H
		5457.68	43.11	-10.89	54	32.83	35.54	6.94	32.2	147	253	A	H
	*	5668	97.15	-	-	86.44	35.74	7.1	32.13	147	253	A	H
	*	5668	107.14	-	-	96.43	35.74	7.1	32.13	147	253	P	H
		5725.08	61.75	-12.25	74	50.93	35.78	7.16	32.12	147	253	P	H
		5725	49.19	-4.81	54	38.37	35.78	7.16	32.12	147	253	A	H
		5370.64	53.35	-20.65	74	43.29	35.44	6.85	32.23	103	153	P	V
		5353.84	43.06	-10.94	54	33.04	35.42	6.83	32.23	103	153	A	V
	*	5668	93.54	-	-	82.83	35.74	7.1	32.13	103	153	A	V
	*	5668	103.32	-	-	92.61	35.74	7.1	32.13	103	153	P	V
		5728.04	58.02	-15.98	74	47.2	35.78	7.16	32.12	103	153	P	V
		5725.88	46.53	-7.47	54	35.71	35.78	7.16	32.12	103	153	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		11019	43.69	-30.31	74	52.19	38.61	10.08	57.19	100	0	P	H
		16530	46.29	-27.71	74	49.74	41.45	12.2	57.1	100	0	P	H
		11019	43.69	-30.31	74	52.19	38.61	10.08	57.19	100	0	P	V
		16530	47.67	-26.33	74	51.12	41.45	12.2	57.1	100	0	P	V
802.11n HT40 CH 134 5670MHz		11340	44.3	-29.7	74	52.18	38.87	10.25	57	100	0	P	H
		17010	53.92	-20.08	74	56.53	42.09	12.44	57.14	100	0	P	H
		11340	43.29	-30.71	74	51.17	38.87	10.25	57	100	0	P	V
		17010	50.49	-23.51	74	53.1	42.09	12.44	57.14	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 5470~5725MHz

WIFI 802.11ac 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 106 5530MHz		5464.88	68.6	-5.4	74	58.3	35.56	6.94	32.2	100	239	P	H
		5469.84	53.84	-0.16	54	43.54	35.56	6.94	32.2	100	239	A	H
	*	5528	91.98	-	-	81.55	35.61	7	32.18	100	239	A	H
	*	5528	104.12	-	-	93.69	35.61	7	32.18	100	239	P	H
		5757	54.33	-19.67	74	43.45	35.81	7.18	32.11	100	239	P	H
		5741.56	43.67	-10.33	54	32.81	35.79	7.18	32.11	100	239	A	H
		5464.56	67.19	-6.81	74	56.89	35.56	6.94	32.2	110	174	P	V
		5469.68	52.88	-1.12	54	42.58	35.56	6.94	32.2	110	174	A	V
	*	5532	89.67	-	-	79.22	35.63	7	32.18	110	174	A	V
	*	5532	101.48	-	-	91.03	35.63	7	32.18	110	174	P	V
		5736.28	53.52	-20.48	74	42.68	35.79	7.16	32.11	110	174	P	V
		5748.52	43.54	-10.46	54	32.68	35.79	7.18	32.11	110	174	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 802.11ac 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 CH 106 5530MHz		11061	40.67	-33.33	74	49.08	38.65	10.1	57.16	100	0	P	H
		16590	46.92	-27.08	74	50.24	41.52	12.26	57.1	100	0	P	H
		11061	42.47	-31.53	74	50.88	38.65	10.1	57.16	100	0	P	V
		16590	45.2	-28.8	74	48.52	41.52	12.26	57.1	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - Straddle Channel

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 CH 138 5690MHz		11380	44.11	-29.89	74	51.91	38.91	10.26	56.97	100	0	P	H
		17070	48.36	-25.64	74	51.09	42.07	12.47	57.27	100	0	P	H
		11380	44.35	-29.65	74	52.15	38.91	10.26	56.97	100	0	P	V
		17070	41.68	-12.32	54	44.41	42.07	12.47	57.27	100	0	A	V
		17070	52.88	-21.12	74	55.61	42.07	12.47	57.27	100	0	P	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)

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 LF		153.66	35.53	-7.97	43.5	55.23	10.8	1.28	31.78			P	H
		226.83	28.26	-17.74	46	48.6	9.86	1.57	31.77			P	H
	!	277.86	40.36	-5.64	46	57.57	12.82	1.73	31.76	189	201	P	H
		416.9	36.82	-9.18	46	49.99	16.58	2.06	31.81			P	H
		681.5	26.42	-19.58	46	35.44	20.4	2.62	32.04			P	H
		761.3	30.1	-15.9	46	37.11	22.19	2.77	31.97			P	H
		69.96	26.66	-13.34	40	51.13	6.4	0.92	31.79			P	V
		154.47	30.64	-12.86	43.5	50.33	10.8	1.29	31.78			P	V
		217.92	21.77	-24.23	46	42.73	9.28	1.54	31.78			P	V
		463.8	35.41	-10.59	46	47.67	17.44	2.16	31.86	172	150	P	V
		616.4	25.87	-20.13	46	35.31	20.11	2.49	32.04			P	V
		772.5	28.4	-17.6	46	35.47	22.1	2.78	31.95			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

3. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

4. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

3. 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)

4. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

3. 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)

4. 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”.