



Appendix B. Radiated Spurious Emission

Test Engineer :	Citta Ke and Karl Hou	Temperature :	21~22°C
		Relative Humidity :	51~53%

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		5150	71.32	-2.68	74	60.66	32.73	10.22	32.29	235	278	P	H
		5149.7	52.86	-1.14	54	42.2	32.73	10.22	32.29	235	278	A	H
	*	5178	110.66	-	-	99.9	32.74	10.3	32.28	235	278	P	H
	*	5178	100.57	-	-	89.81	32.74	10.3	32.28	235	278	A	H
													H
													H
		5145.65	67.08	-6.92	74	56.42	32.73	10.22	32.29	363	356	P	V
		5149.4	46.43	-7.57	54	35.77	32.73	10.22	32.29	363	356	A	V
	*	5178	104.2	-	-	93.44	32.74	10.3	32.28	363	356	P	V
	*	5178	94.13	-	-	83.37	32.74	10.3	32.28	363	356	A	V
													V
													V
802.11a CH 44 5220MHz		5150	55.5	-18.5	74	44.84	32.73	10.22	32.29	381	275	P	H
		5147.6	43.54	-10.46	54	32.88	32.73	10.22	32.29	381	275	A	H
	*	5222	107.77	-	-	96.98	32.74	10.32	32.27	381	275	P	H
	*	5222	97.61	-	-	86.82	32.74	10.32	32.27	381	275	A	H
		5426.67	53.77	-20.23	74	42.77	32.78	10.43	32.21	381	275	P	H
		5437.12	43.17	-10.83	54	32.16	32.79	10.43	32.21	381	275	A	H
		5130.5	54.13	-19.87	74	43.47	32.73	10.22	32.29	339	347	P	V
		5143.55	43.08	-10.92	54	32.42	32.73	10.22	32.29	339	347	A	V
	*	5218	103.91	-	-	93.12	32.74	10.32	32.27	339	347	P	V
	*	5218	93.85	-	-	83.06	32.74	10.32	32.27	339	347	A	V
		5455.27	53.38	-20.62	74	42.35	32.79	10.44	32.2	339	347	P	V
		5430.85	43.11	-10.89	54	32.1	32.79	10.43	32.21	339	347	A	V



802.11a CH 48 5240MHz		5132.9	54.46	-19.54	74	43.8	32.73	10.22	32.29	378	241	P	H
		5128.4	43.53	-10.47	54	32.87	32.73	10.22	32.29	378	241	A	H
	*	5238	106.46	-	-	95.65	32.75	10.32	32.26	378	241	P	H
	*	5238	96.22	-	-	85.41	32.75	10.32	32.26	378	241	A	H
		5350.66	53.36	-20.64	74	42.42	32.77	10.4	32.23	378	241	P	H
		5386.41	43.3	-10.7	54	32.32	32.78	10.42	32.22	378	241	A	H
		5148.2	52.94	-21.06	74	42.28	32.73	10.22	32.29	375	360	P	V
		5147.45	43.07	-10.93	54	32.41	32.73	10.22	32.29	375	360	A	V
	*	5238	103.47	-	-	92.66	32.75	10.32	32.26	375	360	P	V
	*	5238	93.35	-	-	82.54	32.75	10.32	32.26	375	360	A	V
		5377.72	53.08	-20.92	74	42.1	32.78	10.42	32.22	375	360	P	V
		5353.52	43.2	-10.8	54	32.26	32.77	10.4	32.23	375	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.06	-28.94	74	51.43	36.57	14.24	57.18	100	0	P	H
		15540	48.57	-25.43	74	46.93	41.41	18.5	58.27	100	0	P	H
													H
													H
		10360	44.04	-29.96	74	50.41	36.57	14.24	57.18	100	0	P	V
		15540	49.05	-24.95	74	47.41	41.41	18.5	58.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.39	-29.61	74	50.65	36.59	14.29	57.14	100	0	P	H
		15660	48.54	-25.46	74	46.61	41.46	18.65	58.18	100	0	P	H
													H
													H
		10440	43.93	-30.07	74	50.19	36.59	14.29	57.14	100	0	P	V
		15660	48.77	-25.23	74	46.84	41.46	18.65	58.18	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	44.72	-29.28	74	50.91	36.6	14.32	57.11	100	0	P	H
		15720	48.66	-25.34	74	46.54	41.49	18.75	58.12	100	0	P	H
													H
													H
		10480	43.98	-30.02	74	50.17	36.6	14.32	57.11	100	0	P	V
		15720	49.08	-24.92	74	46.96	41.49	18.75	58.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20(Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.65	67.19	-6.81	74	56.53	32.73	10.22	32.29	137	271	P	H
		5149.4	50.18	-3.82	54	39.52	32.73	10.22	32.29	137	271	A	H
	*	5178	108.01	-	-	97.25	32.74	10.3	32.28	137	271	P	H
	*	5178	97.9	-	-	87.14	32.74	10.3	32.28	137	271	A	H
													H
													H
		5145.35	60.26	-13.74	74	49.6	32.73	10.22	32.29	383	340	P	V
		5149.85	46	-8	54	35.34	32.73	10.22	32.29	383	340	A	V
	*	5182	100.81	-	-	90.05	32.74	10.3	32.28	383	340	P	V
	*	5182	90.84	-	-	80.08	32.74	10.3	32.28	383	340	A	V
													V
													V
802.11n HT20 CH 44 5220MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V



802.11n HT20 CH 48 5240MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	44.1	-29.9	74	50.47	36.57	14.24	57.18	100	0	P	H
		15540	49.5	-24.5	74	47.86	41.41	18.5	58.27	100	0	P	H
													H
													H
		10360	44.29	-29.71	74	50.66	36.57	14.24	57.18	100	0	P	V
		15540	50.78	-23.22	74	49.14	41.41	18.5	58.27	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT20 CH 48 5240MHz													H
													H
													H
													H
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5147	70.12	-3.88	74	59.46	32.73	10.22	32.29	361	285	P	H
		5148.35	53.28	-0.72	54	42.62	32.73	10.22	32.29	361	285	A	H
	*	5190	101.9	-	-	91.14	32.74	10.3	32.28	361	285	P	H
	*	5190	92.57	-	-	81.81	32.74	10.3	32.28	361	285	A	H
		5414.24	53.59	-20.41	74	42.59	32.78	10.43	32.21	361	285	P	H
		5361.66	43.58	-10.42	54	32.64	32.77	10.4	32.23	361	285	A	H
		5146.25	61.62	-12.38	74	50.96	32.73	10.22	32.29	343	351	P	V
		5150	48.8	-5.2	54	38.14	32.73	10.22	32.29	343	351	A	V
	*	5190	97.73	-	-	86.97	32.74	10.3	32.28	343	351	P	V
	*	5190	88.31	-	-	77.55	32.74	10.3	32.28	343	351	A	V
		5431.95	54.28	-19.72	74	43.27	32.79	10.43	32.21	343	351	P	V
		5438	43.5	-10.5	54	32.49	32.79	10.43	32.21	343	351	A	V
802.11n HT40 CH 46 5230MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	44.51	-29.49	74	50.83	36.58	14.27	57.17	100	0	P	H
		15570	50.3	-23.7	74	48.56	41.43	18.55	58.24	100	0	P	H
													H
													H
		10380	45.08	-28.92	74	51.4	36.58	14.27	57.17	100	0	P	V
		15570	49.98	-24.02	74	48.24	41.43	18.55	58.24	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz													H
													H
													H
													H
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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		5122.4	54.41	-19.59	74	43.86	32.72	10.13	32.3	216	282	P	H
		5136.05	44.02	-9.98	54	33.36	32.73	10.22	32.29	216	282	A	H
	*	5258	109.26	-	-	98.42	32.75	10.35	32.26	216	282	P	H
	*	5258	98.98	-	-	88.14	32.75	10.35	32.26	216	282	A	H
		5354.73	54.35	-19.65	74	43.41	32.77	10.4	32.23	216	282	P	H
		5350.33	43.69	-10.31	54	32.75	32.77	10.4	32.23	216	282	A	H
		5146.55	53.11	-20.89	74	42.45	32.73	10.22	32.29	337	358	P	V
		5132.75	43.1	-10.9	54	32.44	32.73	10.22	32.29	337	358	A	V
	*	5258	103.12	-	-	92.28	32.75	10.35	32.26	337	358	P	V
	*	5258	92.89	-	-	82.05	32.75	10.35	32.26	337	358	A	V
		5353.19	53.59	-20.41	74	42.65	32.77	10.4	32.23	337	358	P	V
		5456.81	43.16	-10.84	54	32.13	32.79	10.44	32.2	337	358	A	V
802.11a CH 60 5300MHz		5116.85	53.78	-20.22	74	43.23	32.72	10.13	32.3	132	238	P	H
		5149.4	43.71	-10.29	54	33.05	32.73	10.22	32.29	132	238	A	H
	*	5298	108.32	-	-	97.44	32.76	10.37	32.25	132	238	P	H
	*	5298	98	-	-	87.12	32.76	10.37	32.25	132	238	A	H
		5358.69	63.76	-10.24	74	52.82	32.77	10.4	32.23	132	238	P	H
		5350	46.13	-7.87	54	35.19	32.77	10.4	32.23	132	238	A	H
		5066.45	53.17	-20.83	74	42.72	32.71	10.05	32.31	366	0	P	V
		5146.85	42.97	-11.03	54	32.31	32.73	10.22	32.29	366	0	A	V
	*	5298	102.69	-	-	91.81	32.76	10.37	32.25	366	0	P	V
	*	5298	92.46	-	-	81.58	32.76	10.37	32.25	366	0	A	V
		5356.93	54.29	-19.71	74	43.35	32.77	10.4	32.23	366	0	P	V
		5350	43.73	-10.27	54	32.79	32.77	10.4	32.23	366	0	A	V



802.11a CH 64 5320MHz	*	5318	108.15	-	-	97.26	32.76	10.37	32.24	143	240	P	H
	*	5318	97.43	-	-	86.54	32.76	10.37	32.24	143	240	A	H
		5350.44	68.07	-5.93	74	57.13	32.77	10.4	32.23	143	240	P	H
		5350	50.57	-3.43	54	39.63	32.77	10.4	32.23	143	240	A	H
													H
													H
	*	5320	103.35	-	-	92.46	32.76	10.37	32.24	367	359	P	V
	*	5320	92.35	-	-	81.46	32.76	10.37	32.24	367	359	A	V
		5350.11	60.9	-13.1	74	49.96	32.77	10.4	32.23	367	359	P	V
		5350	45.53	-8.47	54	34.59	32.77	10.4	32.23	367	359	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	44.16	-29.84	74	50.34	36.58	14.34	57.1	100	0	P	H
		15780	48.12	-25.88	74	45.89	41.51	18.8	58.08	100	0	P	H
													H
													H
		10520	43.99	-30.01	74	50.17	36.58	14.34	57.1	100	0	P	V
		15780	48.12	-25.88	74	45.89	41.51	18.8	58.08	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	43.87	-30.13	74	50.14	36.46	14.39	57.12	100	0	P	H
		15900	50.47	-23.53	74	47.94	41.56	18.95	57.98	100	0	P	H
													H
													H
		10600	45.13	-28.87	74	51.4	36.46	14.39	57.12	100	0	P	V
		15900	50.11	-23.89	74	47.58	41.56	18.95	57.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	44.92	-29.08	74	51.22	36.41	14.42	57.13	100	0	P	H
		15960	49.21	-24.79	74	46.5	41.59	19.05	57.93	100	0	P	H
													H
													H
		10640	44.21	-29.79	74	50.51	36.41	14.42	57.13	100	0	P	V
		15960	49.37	-24.63	74	46.66	41.59	19.05	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.												

**Band 2 5250~5350MHz****WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT20 CH 60 5300MHz													V
													H
													H
													H
													H
													H
													H
													V
													V
													V



802.11n HT20 CH 64 5320MHz	*	5318	106.73	-	-	95.84	32.76	10.37	32.24	141	240	P	H
	*	5318	96.67	-	-	85.78	32.76	10.37	32.24	141	240	A	H
		5350.44	64.18	-9.82	74	53.24	32.77	10.4	32.23	141	240	P	H
		5350	47.99	-6.01	54	37.05	32.77	10.4	32.23	141	240	A	H
													H
													H
	*	5318	100.48	-	-	89.59	32.76	10.37	32.24	365	359	P	V
	*	5318	90.54	-	-	79.65	32.76	10.37	32.24	365	359	A	V
		5350.22	59.43	-14.57	74	48.49	32.77	10.4	32.23	365	359	P	V
		5350	45.02	-8.98	54	34.08	32.77	10.4	32.23	365	359	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz													H
													H
													H
													H
													V
													V
													V
802.11n HT20 CH 60 5300MHz													H
													H
													H
													H
													V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	44.29	-29.71	74	50.59	36.41	14.42	57.13	100	0	P	H
		15960	49.06	-24.94	74	46.35	41.59	19.05	57.93	100	0	P	H
													H
													H
		10640	43.76	-30.24	74	50.06	36.41	14.42	57.13	100	0	P	V
		15960	49.6	-24.4	74	46.89	41.59	19.05	57.93	100	0	P	V
													V
Remark													V
	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
802.11n HT40 CH 62 5310MHz		5137.25	53.02	-20.98	74	42.36	32.73	10.22	32.29	390	239	P	H
		5149.4	43.35	-10.65	54	32.69	32.73	10.22	32.29	390	239	A	H
	*	5310	100.36	-	-	89.47	32.76	10.37	32.24	390	239	P	H
	*	5310	90.92	-	-	80.03	32.76	10.37	32.24	390	239	A	H
		5350.33	64.26	-9.74	74	53.32	32.77	10.4	32.23	390	239	P	H
		5350	49.87	-4.13	54	38.93	32.77	10.4	32.23	390	239	A	H
		5109.5	52.7	-21.3	74	42.15	32.72	10.13	32.3	386	347	P	V
		5122.55	43.28	-10.72	54	32.71	32.73	10.13	32.29	386	347	A	V
	*	5310	97.33	-	-	86.44	32.76	10.37	32.24	386	347	P	V
	*	5310	88.09	-	-	77.2	32.76	10.37	32.24	386	347	A	V
		5356.38	61.47	-12.53	74	50.53	32.77	10.4	32.23	386	347	P	V
		5350.11	46.67	-7.33	54	35.73	32.77	10.4	32.23	386	347	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz****WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz													H
													H
													H
													H
													V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	43.94	-30.06	74	50.21	36.43	14.42	57.12	100	0	P	H
		15930	49.59	-24.41	74	46.98	41.57	19	57.96	100	0	P	H
													H
													H
		10620	43.48	-30.52	74	49.75	36.43	14.42	57.12	100	0	P	V
		15930	49.22	-24.78	74	46.61	41.57	19	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.												



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	70.17	-3.83	74	59.14	32.79	10.44	32.2	220	224	P	H
		5470	51.07	-2.93	54	40.04	32.79	10.44	32.2	220	224	A	H
	*	5502	107.36	-	-	96.3	32.8	10.45	32.19	220	224	P	H
	*	5502	97.37	-	-	86.31	32.8	10.45	32.19	220	224	A	H
													H
													H
		5468.88	60.27	-13.73	74	49.24	32.79	10.44	32.2	377	356	P	V
		5470	46.02	-7.98	54	34.99	32.79	10.44	32.2	377	356	A	V
	*	5498	100.76	-	-	89.7	32.8	10.45	32.19	377	356	P	V
	*	5498	90.63	-	-	79.57	32.8	10.45	32.19	377	356	A	V
													V
													V
802.11a CH 116 5580MHz		5353.68	54.02	-19.98	74	43.08	32.77	10.4	32.23	215	227	P	H
		5458.8	43.61	-10.39	54	32.58	32.79	10.44	32.2	215	227	A	H
	*	5582	107.95	-	-	96.67	32.97	10.47	32.16	215	227	P	H
	*	5582	97.85	-	-	86.57	32.97	10.47	32.16	215	227	A	H
		5743.4	55.04	-18.96	74	43.34	33.28	10.53	32.11	215	227	P	H
		5725.48	44.33	-9.67	54	32.68	33.25	10.52	32.12	215	227	A	H
		5453.84	53.64	-20.36	74	42.61	32.79	10.44	32.2	329	117	P	V
		5436.88	43.1	-10.9	54	32.09	32.79	10.43	32.21	329	117	A	V
	*	5583	97.27	-	-	85.99	32.97	10.47	32.16	329	117	P	V
	*	5583	87.12	-	-	75.84	32.97	10.47	32.16	329	117	A	V
		5755.4	54.14	-19.86	74	42.4	33.32	10.53	32.11	329	117	P	V
		5731.56	43.78	-10.22	54	32.12	33.25	10.53	32.12	329	117	A	V



802.11a CH 140 5700MHz	*	5698	109.69	-	-	98.12	33.18	10.52	32.13	245	230	P	H
	*	5698	99.66	-	-	88.09	33.18	10.52	32.13	245	230	A	H
		5730.76	71.15	-2.85	74	59.49	33.25	10.53	32.12	245	230	P	H
		5725.16	53.66	-0.34	54	42.01	33.25	10.52	32.12	245	230	A	H
													H
													H
	*	5698	101.15	-	-	89.58	33.18	10.52	32.13	386	187	P	V
	*	5698	91.05	-	-	79.48	33.18	10.52	32.13	386	187	A	V
		5725.88	62.83	-11.17	74	51.17	33.25	10.53	32.12	386	187	P	V
		5725.08	46.64	-7.36	54	34.99	33.25	10.52	32.12	386	187	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	44.8	-29.2	74	51.45	35.9	14.65	57.2	100	0	P	H
		16500	49.92	-24.08	74	46.23	41.7	19.09	57.1	100	0	P	H
													H
													H
		11000	43.89	-30.11	74	50.54	35.9	14.65	57.2	100	0	P	V
		16500	49.7	-24.3	74	46.01	41.7	19.09	57.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	43.67	-30.33	74	50.02	36	14.75	57.1	100	0	P	H
		16740	47.92	-26.08	74	44.34	41.6	19.08	57.1	100	0	P	H
													H
													H
		11160	44.99	-29.01	74	51.34	36	14.75	57.1	100	0	P	V
		16740	48.37	-25.63	74	44.79	41.6	19.08	57.1	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	43.79	-30.21	74	49.7	36.14	14.91	56.96	100	0	P	H
		17100	48.4	-25.6	74	45.03	41.66	19.07	57.36	100	0	P	H
													H
													H
		11400	43.91	-30.09	74	49.82	36.14	14.91	56.96	100	0	P	V
		17100	48.99	-25.01	74	45.62	41.66	19.07	57.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5469.04	64.01	-9.99	74	52.98	32.79	10.44	32.2	150	226	P	H
		5470	47.67	-6.33	54	36.64	32.79	10.44	32.2	150	226	A	H
	*	5500	105.27	-	-	94.21	32.8	10.45	32.19	150	226	P	H
	*	5500	95.12	-	-	84.06	32.8	10.45	32.19	150	226	A	H
													H
													H
		5469.68	59.81	-14.19	74	48.78	32.79	10.44	32.2	378	2	P	V
		5470	44.73	-9.27	54	33.7	32.79	10.44	32.2	378	2	A	V
	*	5497	97.51	-	-	86.45	32.8	10.45	32.19	378	2	P	V
	*	5497	87.18	-	-	76.12	32.8	10.45	32.19	378	2	A	V
													V
													V
802.11n HT20 CH 116 5580MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V



802.11n HT20 CH 140 5700MHz	*	5698	106.94	-	-	95.37	33.18	10.52	32.13	258	227	P	H
	*	5698	96.63	-	-	85.06	33.18	10.52	32.13	258	227	A	H
		5725.08	65.99	-8.01	74	54.34	33.25	10.52	32.12	258	227	P	H
		5726.2	50.4	-3.6	54	38.74	33.25	10.53	32.12	258	227	A	H
													H
													H
	*	5698	98.89	-	-	87.32	33.18	10.52	32.13	390	187	P	V
	*	5698	88.82	-	-	77.25	33.18	10.52	32.13	390	187	A	V
		5731.72	58.79	-15.21	74	47.13	33.25	10.53	32.12	390	187	P	V
		5725.08	45.14	-8.86	54	33.49	33.25	10.52	32.12	390	187	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	44.54	-29.46	74	51.19	35.9	14.65	57.2	100	0	P	H
		16500	48.46	-25.54	74	44.77	41.7	19.09	57.1	100	0	P	H
													H
													H
		11000	44.19	-29.81	74	50.84	35.9	14.65	57.2	100	0	P	V
		16500	49.09	-24.91	74	45.4	41.7	19.09	57.1	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	43.49	-30.51	74	49.4	36.14	14.91	56.96	100	0	P	H
		17100	48.54	-25.46	74	45.17	41.66	19.07	57.36	100	0	P	H
													H
													H
		11400	43.19	-30.81	74	49.1	36.14	14.91	56.96	100	0	P	V
		17100	48.61	-25.39	74	45.24	41.66	19.07	57.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5467.92	69.72	-4.28	74	58.69	32.79	10.44	32.2	175	228	P	H
		5468.88	53.23	-0.77	54	42.2	32.79	10.44	32.2	175	228	A	H
	*	5508	101.14	-	-	90.08	32.8	10.45	32.19	175	228	P	H
	*	5508	91.87	-	-	80.81	32.8	10.45	32.19	175	228	A	H
		5761.88	54.11	-19.89	74	42.37	33.32	10.53	32.11	175	228	P	H
		5748.28	44.29	-9.71	54	32.59	33.28	10.53	32.11	175	228	A	H
		5467.92	61.7	-12.3	74	50.67	32.79	10.44	32.2	389	308	P	V
		5469.68	48.21	-5.79	54	37.18	32.79	10.44	32.2	389	308	A	V
	*	5512	95.56	-	-	84.5	32.8	10.45	32.19	389	308	P	V
	*	5512	85.59	-	-	74.53	32.8	10.45	32.19	389	308	A	V
		5727	54.69	-19.31	74	43.03	33.25	10.53	32.12	389	308	P	V
		5761.88	44	-10	54	32.26	33.32	10.53	32.11	389	308	A	V
802.11n HT40 CH 110 5550MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V



802.11n HT40 CH 134 5670MHz		5427.28	53.22	-20.78	74	42.22	32.78	10.43	32.21	141	254	P	H
		5460.56	43.49	-10.51	54	32.46	32.79	10.44	32.2	141	254	A	H
	*	5672	101.98	-	-	90.47	33.14	10.5	32.13	141	254	P	H
	*	5672	92.43	-	-	80.92	33.14	10.5	32.13	141	254	A	H
		5734.28	60.14	-13.86	74	48.48	33.25	10.53	32.12	141	254	P	H
		5725.72	47.91	-6.09	54	36.26	33.25	10.52	32.12	141	254	A	H
		5437.52	53.26	-20.74	74	42.25	32.79	10.43	32.21	390	189	P	V
		5445.52	43.43	-10.57	54	32.41	32.79	10.43	32.2	390	189	A	V
	*	5672	93.75	-	-	82.24	33.14	10.5	32.13	390	189	P	V
	*	5672	84.79	-	-	73.28	33.14	10.5	32.13	390	189	A	V
		5731.88	54.3	-19.7	74	42.64	33.25	10.53	32.12	390	189	P	V
		5728.76	44.59	-9.41	54	32.93	33.25	10.53	32.12	390	189	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	44.37	-29.63	74	50.97	35.91	14.68	57.19	100	0	P	H
		16530	49.21	-24.79	74	45.53	41.69	19.09	57.1	100	0	P	H
													H
													H
		11020	43.61	-30.39	74	50.21	35.91	14.68	57.19	100	0	P	V
		16530	48.28	-25.72	74	44.6	41.69	19.09	57.1	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	43.8	-30.2	74	49.82	36.1	14.88	57	100	0	P	H
		17010	48.4	-25.6	74	44.93	41.53	19.08	57.14	100	0	P	H
													H
													H
		11340	43.29	-30.71	74	49.31	36.1	14.88	57	100	0	P	V
		17010	48.54	-25.46	74	45.07	41.53	19.08	57.14	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11a (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)
802.11a LF		62.67	23.21	-16.79	40	46.47	5.96	1.22	30.44			P	H
		196.59	20.89	-22.61	43.5	40.41	8.92	1.89	30.33			P	H
		250.05	18.97	-27.03	46	34.67	12.4	2.14	30.24			P	H
		431.6	25.6	-20.4	46	35.94	16.92	2.68	29.94			P	H
		624.8	24.37	-21.63	46	30.27	20.34	3.33	29.57			P	H
		912.5	34.52	-11.48	46	36.02	23.61	3.98	29.09	100	0	P	H
													H
													H
													H
													H
													H
													H
		62.67	31.3	-8.7	40	54.56	5.96	1.22	30.44	100	0	P	V
		108.84	24.37	-19.13	43.5	42.45	10.84	1.48	30.4			P	V
		196.59	22.06	-21.44	43.5	41.58	8.92	1.89	30.33			P	V
		416.2	26.62	-19.38	46	37.37	16.54	2.68	29.97			P	V
		780.2	29.52	-16.48	46	33.1	22.1	3.72	29.4			P	V
		900.6	26.72	-19.28	46	28.46	23.41	3.98	29.13			P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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”.



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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5145.2	70.94	-3.06	74	60.28	32.73	10.22	32.29	104	251	P	H
		5150	51.74	-2.26	54	41.08	32.73	10.22	32.29	104	251	A	H
	*	5182	111.76	-	-	101	32.74	10.3	32.28	104	251	P	H
	*	5182	101.79	-	-	91.03	32.74	10.3	32.28	104	251	A	H
													H
													H
		5149.7	60.15	-13.85	74	49.49	32.73	10.22	32.29	102	154	P	V
		5149.85	44.34	-9.66	54	33.68	32.73	10.22	32.29	102	154	A	V
	*	5178	101.28	-	-	90.52	32.74	10.3	32.28	102	154	P	V
	*	5178	91.03	-	-	80.27	32.74	10.3	32.28	102	154	A	V
													V
													V
802.11a CH 44 5220MHz		5149.1	61.11	-12.89	74	50.45	32.73	10.22	32.29	103	249	P	H
		5144.3	45.75	-8.25	54	35.09	32.73	10.22	32.29	103	249	A	H
	*	5218	112.45	-	-	101.66	32.74	10.32	32.27	103	249	P	H
	*	5218	102.35	-	-	91.56	32.74	10.32	32.27	103	249	A	H
		5366.94	54.4	-19.6	74	43.44	32.77	10.42	32.23	103	249	P	H
		5437.23	44.39	-9.61	54	33.38	32.79	10.43	32.21	103	249	A	H
		5134.55	52.83	-21.17	74	42.17	32.73	10.22	32.29	390	238	P	V
		5149.4	43.04	-10.96	54	32.38	32.73	10.22	32.29	390	238	A	V
	*	5218	101	-	-	90.21	32.74	10.32	32.27	390	238	P	V
	*	5218	91.37	-	-	80.58	32.74	10.32	32.27	390	238	A	V
		5452.74	53.06	-20.94	74	42.03	32.79	10.44	32.2	390	238	P	V
		5433.05	43.17	-10.83	54	32.16	32.79	10.43	32.21	390	238	A	V



802.11a CH 48 5240MHz		5141.75	56.42	-17.58	74	45.76	32.73	10.22	32.29	100	250	P	H
		5144.6	44.77	-9.23	54	34.11	32.73	10.22	32.29	100	250	A	H
	*	5238	111.45	-	-	100.64	32.75	10.32	32.26	100	250	P	H
	*	5238	101.98	-	-	91.17	32.75	10.32	32.26	100	250	A	H
		5394.22	54.61	-19.39	74	43.63	32.78	10.42	32.22	100	250	P	H
		5458.46	44.02	-9.98	54	32.99	32.79	10.44	32.2	100	250	A	H
		5022.35	52.86	-21.14	74	42.51	32.71	9.96	32.32	385	239	P	V
		5147.9	42.95	-11.05	54	32.29	32.73	10.22	32.29	385	239	A	V
	*	5242	101.78	-	-	90.97	32.75	10.32	32.26	385	239	P	V
	*	5242	91.74	-	-	80.93	32.75	10.32	32.26	385	239	A	V
		5436.35	53.08	-20.92	74	42.07	32.79	10.43	32.21	385	239	P	V
		5458.35	43.21	-10.79	54	32.18	32.79	10.44	32.2	385	239	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	44.24	-29.76	74	50.61	36.57	14.24	57.18	100	0	P	H
		15540	50.52	-23.48	74	48.88	41.41	18.5	58.27	100	0	P	H
													H
													H
		10360	45.25	-28.75	74	51.62	36.57	14.24	57.18	100	0	P	V
		15540	50.42	-23.58	74	48.78	41.41	18.5	58.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.93	-29.07	74	51.19	36.59	14.29	57.14	100	0	P	H
		15660	51.04	-22.96	74	49.11	41.46	18.65	58.18	100	0	P	H
													H
													H
		10440	44.59	-29.41	74	50.85	36.59	14.29	57.14	100	0	P	V
		15660	50.62	-23.38	74	48.69	41.46	18.65	58.18	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	44.69	-29.31	74	50.88	36.6	14.32	57.11	100	0	P	H
		15720	51.21	-22.79	74	49.09	41.49	18.75	58.12	100	0	P	H
													H
													H
		10480	44.8	-29.2	74	50.99	36.6	14.32	57.11	100	0	P	V
		15720	50.81	-23.19	74	48.69	41.49	18.75	58.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20(Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.2	64.42	-9.58	74	53.76	32.73	10.22	32.29	104	251	P	H
		5148.8	48.77	-5.23	54	38.11	32.73	10.22	32.29	104	251	A	H
	*	5178	109.25	-	-	98.49	32.74	10.3	32.28	104	251	P	H
	*	5178	99.6	-	-	88.84	32.74	10.3	32.28	104	251	A	H
													H
													H
		5149.85	54.52	-19.48	74	43.86	32.73	10.22	32.29	100	245	P	V
		5149.4	43.6	-10.4	54	32.94	32.73	10.22	32.29	100	245	A	V
	*	5178	98.03	-	-	87.27	32.74	10.3	32.28	100	245	P	V
	*	5178	88.25	-	-	77.49	32.74	10.3	32.28	100	245	A	V
													V
													V
802.11n HT20 CH 44 5220MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V



802.11n HT20 CH 48 5240MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	44.21	-29.79	74	50.58	36.57	14.24	57.18	100	0	P	H
		15540	49.18	-24.82	74	47.54	41.41	18.5	58.27	100	0	P	H
													H
													H
		10360	45.59	-28.41	74	51.96	36.57	14.24	57.18	100	0	P	V
		15540	48.46	-25.54	74	46.82	41.41	18.5	58.27	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT20 CH 48 5240MHz													H
													H
													H
													H
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5147.45	71.59	-2.41	74	60.93	32.73	10.22	32.29	104	249	P	H
		5147.9	52.52	-1.48	54	41.86	32.73	10.22	32.29	104	249	A	H
	*	5188	106.45	-	-	95.69	32.74	10.3	32.28	104	249	P	H
	*	5188	96.22	-	-	85.46	32.74	10.3	32.28	104	249	A	H
		5363.86	54.62	-19.38	74	43.68	32.77	10.4	32.23	104	249	P	H
		5350	44.25	-9.75	54	33.31	32.77	10.4	32.23	104	249	A	H
		5148.35	59.22	-14.78	74	48.56	32.73	10.22	32.29	102	155	P	V
		5149.85	44.84	-9.16	54	34.18	32.73	10.22	32.29	102	155	A	V
	*	5188	95.26	-	-	84.5	32.74	10.3	32.28	102	155	P	V
	*	5188	85.7	-	-	74.94	32.74	10.3	32.28	102	155	A	V
		5425.57	53.13	-20.87	74	42.13	32.78	10.43	32.21	102	155	P	V
		5428.43	43.44	-10.56	54	32.44	32.78	10.43	32.21	102	155	A	V
802.11n HT40 CH 46 5230MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	44.04	-29.96	74	50.36	36.58	14.27	57.17	100	0	P	H
		15570	48.97	-25.03	74	47.23	41.43	18.55	58.24	100	0	P	H
													H
													H
		10380	44.66	-29.34	74	50.98	36.58	14.27	57.17	100	0	P	V
		15570	49.12	-24.88	74	47.38	41.43	18.55	58.24	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz													H
													H
													H
													H
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5108.3	55.46	-18.54	74	44.91	32.72	10.13	32.3	100	249	P	H
		5113.55	44.33	-9.67	54	33.78	32.72	10.13	32.3	100	249	A	H
	*	5258	111.61	-	-	100.77	32.75	10.35	32.26	100	249	P	H
	*	5258	102.11	-	-	91.27	32.75	10.35	32.26	100	249	A	H
		5350.55	55.7	-18.3	74	44.76	32.77	10.4	32.23	100	249	P	H
		5350.33	44.27	-9.73	54	33.33	32.77	10.4	32.23	100	249	A	H
		5117.9	53.45	-20.55	74	42.9	32.72	10.13	32.3	359	240	P	V
		5146.25	42.97	-11.03	54	32.31	32.73	10.22	32.29	359	240	A	V
	*	5262	101.11	-	-	90.27	32.75	10.35	32.26	359	240	P	V
	*	5262	91.14	-	-	80.3	32.75	10.35	32.26	359	240	A	V
		5386.19	53.32	-20.68	74	42.34	32.78	10.42	32.22	359	240	P	V
		5445.81	43.19	-10.81	54	32.17	32.79	10.43	32.2	359	240	A	V
802.11a CH 60 5300MHz		5002.4	54.86	-19.14	74	44.61	32.7	9.88	32.33	124	249	P	H
		5147.45	44.24	-9.76	54	33.58	32.73	10.22	32.29	124	249	A	H
	*	5302	111.64	-	-	100.76	32.76	10.37	32.25	124	249	P	H
	*	5302	102.12	-	-	91.24	32.76	10.37	32.25	124	249	A	H
		5351.98	67.81	-6.19	74	56.87	32.77	10.4	32.23	124	249	P	H
		5350	47.6	-6.4	54	36.66	32.77	10.4	32.23	124	249	A	H
		5033.75	52.48	-21.52	74	42.13	32.71	9.96	32.32	100	240	P	V
		5144.9	42.92	-11.08	54	32.26	32.73	10.22	32.29	100	240	A	V
	*	5298	101.39	-	-	90.51	32.76	10.37	32.25	100	240	P	V
	*	5298	91.34	-	-	80.46	32.76	10.37	32.25	100	240	A	V
		5356.6	57.36	-16.64	74	46.42	32.77	10.4	32.23	100	240	P	V
		5350.66	43.7	-10.3	54	32.76	32.77	10.4	32.23	100	240	A	V



802.11a CH 64 5320MHz	*	5318	110.7	-	-	99.81	32.76	10.37	32.24	121	247	P	H
	*	5318	101.17	-	-	90.28	32.76	10.37	32.24	121	247	A	H
		5351.65	73.49	-0.51	74	62.55	32.77	10.4	32.23	121	247	P	H
		5350	52.32	-1.68	54	41.38	32.77	10.4	32.23	121	247	A	H
													H
													H
	*	5318	100.95	-	-	90.06	32.76	10.37	32.24	353	240	P	V
	*	5318	90.07	-	-	79.18	32.76	10.37	32.24	353	240	A	V
		5350.44	62.03	-11.97	74	51.09	32.77	10.4	32.23	353	240	P	V
		5350	45.3	-8.7	54	34.36	32.77	10.4	32.23	353	240	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	45.15	-28.85	74	51.33	36.58	14.34	57.1	100	0	P	H
		15780	52.09	-21.91	74	49.86	41.51	18.8	58.08	100	0	P	H
													H
													H
		10520	44.2	-29.8	74	50.38	36.58	14.34	57.1	100	0	P	V
		15780	51.17	-22.83	74	48.94	41.51	18.8	58.08	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	44.02	-29.98	74	50.29	36.46	14.39	57.12	100	0	P	H
		15900	53.6	-20.4	74	51.07	41.56	18.95	57.98	100	0	P	H
													H
													H
		10600	43.82	-30.18	74	50.09	36.46	14.39	57.12	100	0	P	V
		15900	52.01	-21.99	74	49.48	41.56	18.95	57.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	44.08	-29.92	74	50.38	36.41	14.42	57.13	100	0	P	H
		15960	53.1	-20.9	74	50.39	41.59	19.05	57.93	100	0	P	H
													H
													H
		10640	43.81	-30.19	74	50.11	36.41	14.42	57.13	100	0	P	V
		15960	50.43	-23.57	74	47.72	41.59	19.05	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.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT20 CH 60 5300MHz													V
													H
													H
													H
													H
													H
													H
													V
													V
													V



802.11n HT20 CH 64 5320MHz	*	5318	109.71	-	-	98.82	32.76	10.37	32.24	121	247	P	H
	*	5318	99.9	-	-	89.01	32.76	10.37	32.24	121	247	A	H
		5351.76	71.59	-2.41	74	60.65	32.77	10.4	32.23	121	247	P	H
		5350	50.77	-3.23	54	39.83	32.77	10.4	32.23	121	247	A	H
													H
													H
	*	5318	100.99	-	-	90.1	32.76	10.37	32.24	353	240	P	V
	*	5318	89.63	-	-	78.74	32.76	10.37	32.24	353	240	A	V
		5350.33	60.07	-13.93	74	49.13	32.77	10.4	32.23	353	240	P	V
		5350.55	44.43	-9.57	54	33.49	32.77	10.4	32.23	353	240	A	V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz													H
													H
													H
													H
													V
													V
													V
802.11n HT20 CH 60 5300MHz													H
													H
													H
													H
													V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	43.23	-30.77	74	49.53	36.41	14.42	57.13	100	0	P	H
		15960	52.74	-21.26	74	50.03	41.59	19.05	57.93	100	0	P	H
													H
													H
		10640	44.05	-29.95	74	50.35	36.41	14.42	57.13	100	0	P	V
		15960	50.76	-23.24	74	48.05	41.59	19.05	57.93	100	0	P	V
													V
Remark													V
	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
802.11n HT40 CH 62 5310MHz		5143.7	54.49	-19.51	74	43.83	32.73	10.22	32.29	120	247	P	H
		5149.85	44.25	-9.75	54	33.59	32.73	10.22	32.29	120	247	A	H
	*	5312	104.39	-	-	93.5	32.76	10.37	32.24	120	247	P	H
	*	5312	94.33	-	-	83.44	32.76	10.37	32.24	120	247	A	H
		5352.64	70.86	-3.14	74	59.92	32.77	10.4	32.23	120	247	P	H
		5350	52.76	-1.24	54	41.82	32.77	10.4	32.23	120	247	A	H
		5079.2	53.35	-20.65	74	42.89	32.72	10.05	32.31	354	240	P	V
		5147.75	43.14	-10.86	54	32.48	32.73	10.22	32.29	354	240	A	V
	*	5312	93.87	-	-	82.98	32.76	10.37	32.24	354	240	P	V
	*	5312	84.22	-	-	73.33	32.76	10.37	32.24	354	240	A	V
		5351.21	57.75	-16.25	74	46.81	32.77	10.4	32.23	354	240	P	V
		5350.11	45.09	-8.91	54	34.15	32.77	10.4	32.23	354	240	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz													H
													H
													H
													H
													V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	43.81	-30.19	74	50.08	36.43	14.42	57.12	100	0	P	H
		15930	49.55	-24.45	74	46.94	41.57	19	57.96	100	0	P	H
													H
													H
		10620	44.06	-29.94	74	50.33	36.43	14.42	57.12	100	0	P	V
		15930	49.13	-24.87	74	46.52	41.57	19	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.												



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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5468.24	71.47	-2.53	74	60.44	32.79	10.44	32.2	255	269	P	H
		5470	52.75	-1.25	54	41.72	32.79	10.44	32.2	255	269	A	H
	*	5502	111.3	-	-	100.24	32.8	10.45	32.19	255	269	P	H
	*	5502	101.51	-	-	90.45	32.8	10.45	32.19	255	269	A	H
													H
													H
		5461.2	63.65	-10.35	74	52.62	32.79	10.44	32.2	105	300	P	V
		5469.84	46.09	-7.91	54	35.06	32.79	10.44	32.2	105	300	A	V
	*	5502	101.33	-	-	90.27	32.8	10.45	32.19	105	300	P	V
	*	5502	91.06	-	-	80	32.8	10.45	32.19	105	300	A	V
													V
													V
802.11a CH 116 5580MHz		5461.68	53.66	-20.34	74	42.63	32.79	10.44	32.2	169	271	P	H
		5458.32	43.7	-10.3	54	32.67	32.79	10.44	32.2	169	271	A	H
	*	5582	111.36	-	-	100.08	32.97	10.47	32.16	169	271	P	H
	*	5582	101.22	-	-	89.94	32.97	10.47	32.16	169	271	A	H
		5729.24	54.1	-19.9	74	42.44	33.25	10.53	32.12	169	271	P	H
		5733.88	44.09	-9.91	54	32.43	33.25	10.53	32.12	169	271	A	H
		5423.28	53.27	-20.73	74	42.27	32.78	10.43	32.21	143	152	P	V
		5437.2	43.21	-10.79	54	32.2	32.79	10.43	32.21	143	152	A	V
	*	5582	100.9	-	-	89.62	32.97	10.47	32.16	143	152	P	V
	*	5582	90.97	-	-	79.69	32.97	10.47	32.16	143	152	A	V
		5732.68	54.43	-19.57	74	42.77	33.25	10.53	32.12	143	152	P	V
		5733	43.87	-10.13	54	32.21	33.25	10.53	32.12	143	152	A	V



802.11a CH 140 5700MHz	*	5698	109.37	-	-	97.8	33.18	10.52	32.13	201	261	P	H
	*	5698	102.59	-	-	91.02	33.18	10.52	32.13	201	261	A	H
		5726.36	72.82	-1.18	74	61.16	33.25	10.53	32.12	201	261	P	H
		5725.08	53	-1	54	41.35	33.25	10.52	32.12	201	261	A	H
													H
													H
	*	5704	99.07	-	-	87.46	33.21	10.52	32.12	102	152	P	V
	*	5704	89.37	-	-	77.76	33.21	10.52	32.12	102	152	A	V
		5725.24	58.73	-15.27	74	47.08	33.25	10.52	32.12	102	152	P	V
		5725.16	45.48	-8.52	54	33.83	33.25	10.52	32.12	102	152	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	43.37	-30.63	74	50.02	35.9	14.65	57.2	100	0	P	H
		16500	59.52	-14.48	74	55.83	41.7	19.09	57.1	158	47	P	H
		16500	49.4	-4.6	54	45.71	41.7	19.09	57.1	158	47	A	H
													H
		11000	43.56	-30.44	74	50.21	35.9	14.65	57.2	100	0	P	V
		16500	55.19	-18.81	74	51.5	41.7	19.09	57.1	153	59	P	V
		16500	44.91	-9.09	54	41.22	41.7	19.09	57.1	153	59	A	V
													V
802.11a CH 116 5580MHz		11160	42.99	-31.01	74	49.34	36	14.75	57.1	100	0	P	H
		16740	58.47	-15.53	74	54.89	41.6	19.08	57.1	100	223	P	H
		16740	48.37	-5.63	54	44.79	41.6	19.08	57.1	100	223	A	H
													H
		11160	43.62	-30.38	74	49.97	36	14.75	57.1	100	0	P	V
		16740	54.42	-19.58	74	50.84	41.6	19.08	57.1	117	58	P	V
		16740	44.26	-9.74	54	40.68	41.6	19.08	57.1	117	58	A	V
													V
802.11a CH 140 5700MHz		11400	42.35	-31.65	74	48.26	36.14	14.91	56.96	100	0	P	H
		17100	54.38	-19.62	74	51.01	41.66	19.07	57.36	146	102	P	H
		17100	44.19	-9.81	54	40.82	41.66	19.07	57.36	146	102	A	H
													H
		11400	42.84	-31.16	74	48.75	36.14	14.91	56.96	100	0	P	V
		17100	51.92	-22.08	74	48.55	41.66	19.07	57.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5469.52	64.84	-9.16	74	53.81	32.79	10.44	32.2	104	241	P	H
		5470	50.09	-3.91	54	39.06	32.79	10.44	32.2	104	241	A	H
	*	5498	109.1	-	-	98.04	32.8	10.45	32.19	104	241	P	H
	*	5498	99.42	-	-	88.36	32.8	10.45	32.19	104	241	A	H
													H
													H
		5469.68	58.49	-15.51	74	47.46	32.79	10.44	32.2	102	299	P	V
		5470	44.95	-9.05	54	33.92	32.79	10.44	32.2	102	299	A	V
	*	5502	99.59	-	-	88.53	32.8	10.45	32.19	102	299	P	V
	*	5502	89.66	-	-	78.6	32.8	10.45	32.19	102	299	A	V
													V
													V
802.11n HT20 CH 116 5580MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V



802.11n HT20 CH 140 5700MHz	*	5699	110.36	-	-	98.79	33.18	10.52	32.13	200	259	P	H
	*	5699	99.3	-	-	87.73	33.18	10.52	32.13	200	259	A	H
		5725.32	69.73	-4.27	74	58.08	33.25	10.52	32.12	200	259	P	H
		5725.16	53.66	-0.34	54	42.01	33.25	10.52	32.12	200	259	A	H
													H
													H
	*	5702	99.38	-	-	87.77	33.21	10.52	32.12	101	149	P	V
	*	5702	89.35	-	-	77.74	33.21	10.52	32.12	101	149	A	V
		5725.16	60.3	-13.7	74	48.65	33.25	10.52	32.12	101	149	P	V
		5725.48	45.74	-8.26	54	34.09	33.25	10.52	32.12	101	149	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	44.12	-29.88	74	50.77	35.9	14.65	57.2	100	0	P	H
		16500	56.63	-17.37	74	52.94	41.7	19.09	57.1	188	63	P	H
		16500	45.54	-8.46	54	41.85	41.7	19.09	57.1	188	63	A	H
													H
		11000	43.62	-30.38	74	50.27	35.9	14.65	57.2	100	0	P	V
		16500	52.99	-21.01	74	49.3	41.7	19.09	57.1	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	43.25	-30.75	74	49.16	36.14	14.91	56.96	100	0	P	H
		17100	53.42	-20.58	74	50.05	41.66	19.07	57.36	100	0	P	H
													H
													H
		11400	42.47	-31.53	74	48.38	36.14	14.91	56.96	100	0	P	V
		17100	50.74	-23.26	74	47.37	41.66	19.07	57.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5466.96	71.21	-2.79	74	60.18	32.79	10.44	32.2	164	241	P	H
		5467.92	52.36	-1.64	54	41.33	32.79	10.44	32.2	164	241	A	H
	*	5512	104.22	-	-	93.16	32.8	10.45	32.19	164	241	P	H
	*	5512	94.27	-	-	83.21	32.8	10.45	32.19	164	241	A	H
		5733.72	54.59	-19.41	74	42.93	33.25	10.53	32.12	164	241	P	H
		5740.2	44.17	-9.83	54	32.47	33.28	10.53	32.11	164	241	A	H
		5469.52	60.69	-13.31	74	49.66	32.79	10.44	32.2	100	300	P	V
		5469.68	46.42	-7.58	54	35.39	32.79	10.44	32.2	100	300	A	V
	*	5512	95.51	-	-	84.45	32.8	10.45	32.19	100	300	P	V
	*	5512	85.05	-	-	73.99	32.8	10.45	32.19	100	300	A	V
		5744.28	54.07	-19.93	74	42.37	33.28	10.53	32.11	100	300	P	V
		5737.56	43.96	-10.04	54	32.26	33.28	10.53	32.11	100	300	A	V
802.11n HT40 CH 110 5550MHz													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V



802.11n HT40 CH 134 5670MHz		5458.48	54.13	-19.87	74	43.1	32.79	10.44	32.2	133	260	P	H
		5458.8	44.01	-9.99	54	32.98	32.79	10.44	32.2	133	260	A	H
	*	5672	106.53	-	-	95.02	33.14	10.5	32.13	133	260	P	H
	*	5672	96.85	-	-	85.34	33.14	10.5	32.13	133	260	A	H
		5733.72	68.62	-5.38	74	56.96	33.25	10.53	32.12	133	260	P	H
		5725.48	51.63	-2.37	54	39.98	33.25	10.52	32.12	133	260	A	H
		5401.52	52.98	-21.02	74	42	32.78	10.42	32.22	377	155	P	V
		5461.84	43.34	-10.66	54	32.31	32.79	10.44	32.2	377	155	A	V
	*	5672	97.17	-	-	85.66	33.14	10.5	32.13	377	155	P	V
	*	5672	87.56	-	-	76.05	33.14	10.5	32.13	377	155	A	V
		5725.56	58.19	-15.81	74	46.54	33.25	10.52	32.12	377	155	P	V
		5725.8	44.93	-9.07	54	33.27	33.25	10.53	32.12	377	155	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	43.25	-30.75	74	49.85	35.91	14.68	57.19	100	0	P	H
		16530	52.35	-21.65	74	48.67	41.69	19.09	57.1	100	0	P	H
													H
													H
		11020	43.53	-30.47	74	50.13	35.91	14.68	57.19	100	0	P	V
		16530	50.61	-23.39	74	46.93	41.69	19.09	57.1	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz													H
													H
													H
													H
													V
													V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	43.6	-30.4	74	49.62	36.1	14.88	57	100	0	P	H
		17008	51.32	-22.68	74	47.85	41.53	19.08	57.14	100	0	P	H
													H
													H
		11340	43.14	-30.86	74	49.16	36.1	14.88	57	100	0	P	V
		17010	49.02	-24.98	74	45.55	41.53	19.08	57.14	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		78.87	20.57	-19.43	40	42.78	7	1.22	30.43			P	H
		188.76	20.17	-23.33	43.5	39.8	8.82	1.89	30.34			P	H
		232.5	22.48	-23.52	46	40.27	10.46	2.02	30.27			P	H
		500.2	23.58	-22.42	46	32.43	18	2.96	29.81			P	H
		624.8	25.11	-20.89	46	31.01	20.34	3.33	29.57			P	H
		780.2	28.83	-17.17	46	32.41	22.1	3.72	29.4	100	0	P	H
													H
													H
													H
													H
													H
													H
		109.38	24.49	-19.01	43.5	42.51	10.9	1.48	30.4	100	0	P	V
		196.59	22.9	-20.6	43.5	42.42	8.92	1.89	30.33			P	V
		250.05	18.01	-27.99	46	33.71	12.4	2.14	30.24			P	V
		468	25.94	-20.06	46	35.56	17.48	2.77	29.87			P	V
		780.2	25.43	-20.57	46	29.01	22.1	3.72	29.4			P	V
		960.1	31.35	-22.65	54	31.31	24.9	4.08	28.94			P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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.	
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”.



Band 1 5150~5250MHz

WIFI 802.11n HT20(Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5147.6	56.95	-17.05	74	46.29	32.73	10.22	32.29	383	154	P	H
		5149.55	44.21	-9.79	54	33.55	32.73	10.22	32.29	383	154	A	H
	*	5178	99.71	-	-	88.95	32.74	10.3	32.28	383	154	P	H
	*	5178	89.74	-	-	78.98	32.74	10.3	32.28	383	154	A	H
													H
													H
		5146.1	67.3	-6.7	74	56.64	32.73	10.22	32.29	157	269	P	V
		5150	52.38	-1.62	54	41.72	32.73	10.22	32.29	157	269	A	V
	*	5182	112.99	-	-	102.23	32.74	10.3	32.28	157	269	P	V
	*	5182	102.44	-	-	91.68	32.74	10.3	32.28	157	269	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5110.25	53.58	-20.42	74	43.03	32.72	10.13	32.3	100	161	P	H
		5143.7	43.19	-10.81	54	32.53	32.73	10.22	32.29	100	161	A	H
	*	5222	100.95	-	-	90.16	32.74	10.32	32.27	100	161	P	H
	*	5222	91.03	-	-	80.24	32.74	10.32	32.27	100	161	A	H
		5453.07	53.04	-20.96	74	42.01	32.79	10.44	32.2	100	161	P	H
		5419.85	43.3	-10.7	54	32.3	32.78	10.43	32.21	100	161	A	H
		5146.4	64	-10	74	53.34	32.73	10.22	32.29	131	277	P	V
		5149.7	48.4	-5.6	54	37.74	32.73	10.22	32.29	131	277	A	V
	*	5218	115.53	-	-	104.74	32.74	10.32	32.27	131	277	P	V
	*	5218	105.57	-	-	94.78	32.74	10.32	32.27	131	277	A	V
		5366.61	55.36	-18.64	74	44.4	32.77	10.42	32.23	131	277	P	V
		5373.98	44.49	-9.51	54	33.53	32.77	10.42	32.23	131	277	A	V



802.11n HT20 CH 48 5240MHz		5095.55	53.06	-20.94	74	42.51	32.72	10.13	32.3	248	35	P	H
		5130.95	43.09	-10.91	54	32.43	32.73	10.22	32.29	248	35	A	H
	*	5242	101.68	-	-	90.87	32.75	10.32	32.26	248	35	P	H
	*	5242	91.55	-	-	80.74	32.75	10.32	32.26	248	35	A	H
		5358.69	53.02	-20.98	74	42.08	32.77	10.4	32.23	248	35	P	H
		5420.73	43.37	-10.63	54	32.37	32.78	10.43	32.21	248	35	A	H
		5148.65	58.35	-15.65	74	47.69	32.73	10.22	32.29	129	274	P	V
		5147.6	46.26	-7.74	54	35.6	32.73	10.22	32.29	129	274	A	V
	*	5239	114.87	-	-	104.06	32.75	10.32	32.26	129	274	P	V
	*	5239	104.92	-	-	94.11	32.75	10.32	32.26	129	274	A	V
		5385.09	54.43	-19.57	74	43.45	32.78	10.42	32.22	129	274	P	V
		5458.13	44.59	-9.41	54	33.56	32.79	10.44	32.2	129	274	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	44.28	-29.72	74	50.65	36.57	14.24	57.18	100	0	P	H
		15540	48.19	-25.81	74	46.55	41.41	18.5	58.27	100	0	P	H
													H
													H
		10360	45.37	-28.63	74	51.74	36.57	14.24	57.18	100	0	P	V
		15540	48.61	-25.39	74	46.97	41.41	18.5	58.27	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	43.9	-30.1	74	50.16	36.59	14.29	57.14	100	0	P	H
		15660	52.2	-21.8	74	50.27	41.46	18.65	58.18	100	0	P	H
													H
													H
		10440	44.15	-29.85	74	50.41	36.59	14.29	57.14	100	0	P	V
		15660	52.25	-21.75	74	50.32	41.46	18.65	58.18	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	44.02	-29.98	74	50.21	36.6	14.32	57.11	100	0	P	H
		15720	50.56	-23.44	74	48.44	41.49	18.75	58.12	100	0	P	H
													H
													H
		10480	44.56	-29.44	74	50.75	36.6	14.32	57.11	100	0	P	V
		15720	52.38	-21.62	74	50.26	41.49	18.75	58.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5144.15	57.23	-16.77	74	46.57	32.73	10.22	32.29	100	161	P	H
		5147.75	44.09	-9.91	54	33.43	32.73	10.22	32.29	100	161	A	H
	*	5188	93.2	-	-	82.44	32.74	10.3	32.28	100	161	P	H
	*	5188	83.31	-	-	72.55	32.74	10.3	32.28	100	161	A	H
		5442.07	53.33	-20.67	74	42.32	32.79	10.43	32.21	100	161	P	H
		5357.37	43.41	-10.59	54	32.47	32.77	10.4	32.23	100	161	A	H
		5149.4	69.05	-4.95	74	58.39	32.73	10.22	32.29	150	273	P	V
		5149.55	52.89	-1.11	54	42.23	32.73	10.22	32.29	150	273	A	V
	*	5188	107.38	-	-	96.62	32.74	10.3	32.28	150	273	P	V
	*	5188	97.07	-	-	86.31	32.74	10.3	32.28	150	273	A	V
		5360.12	54.54	-19.46	74	43.6	32.77	10.4	32.23	150	273	P	V
		5351.21	44.12	-9.88	54	33.18	32.77	10.4	32.23	150	273	A	V
802.11n HT40 CH 46 5230MHz		5146.7	57.78	-16.22	74	47.12	32.73	10.22	32.29	248	32	P	H
		5150	44.47	-9.53	54	33.81	32.73	10.22	32.29	248	32	A	H
	*	5228	98.14	-	-	87.33	32.75	10.32	32.26	248	32	P	H
	*	5228	88.21	-	-	77.4	32.75	10.32	32.26	248	32	A	H
		5389.6	53.88	-20.12	74	42.9	32.78	10.42	32.22	248	32	P	H
		5359.57	43.35	-10.65	54	32.41	32.77	10.4	32.23	248	32	A	H
		5145.95	70.47	-3.53	74	59.81	32.73	10.22	32.29	129	272	P	V
		5149.4	52.66	-1.34	54	42	32.73	10.22	32.29	129	272	A	V
	*	5232	111.46	-	-	100.65	32.75	10.32	32.26	129	272	P	V
	*	5232	101.6	-	-	90.79	32.75	10.32	32.26	129	272	A	V
		5360.45	59.06	-14.94	74	48.12	32.77	10.4	32.23	129	272	P	V
		5351.21	45.28	-8.72	54	34.34	32.77	10.4	32.23	129	272	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	44.44	-29.56	74	50.76	36.58	14.27	57.17	100	0	P	H
		15690	49.89	-24.11	74	47.86	41.48	18.7	58.15	100	0	P	H
													H
													H
		10380	43.44	-30.56	74	49.76	36.58	14.27	57.17	100	0	P	V
		15690	49.04	-24.96	74	47.01	41.48	18.7	58.15	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	43.84	-30.16	74	50.06	36.59	14.32	57.13	100	0	P	H
		15690	50.81	-23.19	74	48.78	41.48	18.7	58.15	100	0	P	H
													H
													H
		10460	44.57	-29.43	74	50.79	36.59	14.32	57.13	100	0	P	V
		15690	49.08	-24.92	74	47.05	41.48	18.7	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.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5030.15	52.59	-21.41	74	42.24	32.71	9.96	32.32	100	163	P	H
		5142.95	43.05	-10.95	54	32.39	32.73	10.22	32.29	100	163	A	H
	*	5262	101.13	-	-	90.29	32.75	10.35	32.26	100	163	P	H
	*	5262	91.19	-	-	80.35	32.75	10.35	32.26	100	163	A	H
		5456.7	52.89	-21.11	74	41.86	32.79	10.44	32.2	100	163	P	H
		5426.12	43.36	-10.64	54	32.36	32.78	10.43	32.21	100	163	A	H
		5109.2	56.46	-17.54	74	45.91	32.72	10.13	32.3	129	269	P	V
		5146.25	45.5	-8.5	54	34.84	32.73	10.22	32.29	129	269	A	V
	*	5262	115.21	-	-	104.37	32.75	10.35	32.26	129	269	P	V
	*	5262	105.24	-	-	94.4	32.75	10.35	32.26	129	269	A	V
		5352.09	56.72	-17.28	74	45.78	32.77	10.4	32.23	129	269	P	V
		5350.66	45.27	-8.73	54	34.33	32.77	10.4	32.23	129	269	A	V
802.11n HT20 CH 60 5300MHz		5121.65	52.98	-21.02	74	42.43	32.72	10.13	32.3	100	203	P	H
		5147.75	43.16	-10.84	54	32.5	32.73	10.22	32.29	100	203	A	H
	*	5298	101.34	-	-	90.46	32.76	10.37	32.25	100	203	P	H
	*	5298	91.45	-	-	80.57	32.76	10.37	32.25	100	203	A	H
		5352.2	57.21	-16.79	74	46.27	32.77	10.4	32.23	100	203	P	H
		5350.22	44.91	-9.09	54	33.97	32.77	10.4	32.23	100	203	A	H
		5117.45	55.43	-18.57	74	44.88	32.72	10.13	32.3	144	272	P	V
		5149.1	44.9	-9.1	54	34.24	32.73	10.22	32.29	144	272	A	V
	*	5301	115.97	-	-	105.09	32.76	10.37	32.25	144	272	P	V
	*	5301	105.07	-	-	94.19	32.76	10.37	32.25	144	272	A	V
		5355.39	70.62	-3.38	74	59.68	32.77	10.4	32.23	144	272	P	V
		5350	53.79	-0.21	54	42.85	32.77	10.4	32.23	144	272	A	V



802.11n HT20 CH 64 5320MHz	*	5318	100.68	-	-	89.79	32.76	10.37	32.24	182	193	P	H
	*	5318	90.78	-	-	79.89	32.76	10.37	32.24	182	193	A	H
		5354.62	60.53	-13.47	74	49.59	32.77	10.4	32.23	182	193	P	H
		5350	45.38	-8.62	54	34.44	32.77	10.4	32.23	182	193	A	H
													H
													H
	*	5322	111.32	-	-	100.43	32.76	10.37	32.24	143	271	P	V
	*	5322	101.43	-	-	90.54	32.76	10.37	32.24	143	271	A	V
		5352.64	72.45	-1.55	74	61.51	32.77	10.4	32.23	143	271	P	V
		5350	53.2	-0.8	54	42.26	32.77	10.4	32.23	143	271	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	44.25	-29.75	74	50.43	36.58	14.34	57.1	100	0	P	H
		15780	50.61	-23.39	74	48.38	41.51	18.8	58.08	100	0	P	H
													H
													H
		10520	44.57	-29.43	74	50.75	36.58	14.34	57.1	100	0	P	V
		15780	51.02	-22.98	74	48.79	41.51	18.8	58.08	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	44.12	-29.88	74	50.39	36.46	14.39	57.12	100	0	P	H
		15900	53.35	-20.65	74	50.82	41.56	18.95	57.98	100	0	P	H
													H
													H
		10600	44.47	-29.53	74	50.74	36.46	14.39	57.12	100	0	P	V
		15902	55.82	-18.18	74	53.27	41.57	18.95	57.97	100	307	P	V
		15902	42.66	-11.34	54	40.11	41.57	18.95	57.97	100	307	A	V
													V
802.11n HT20 CH 64 5320MHz		10640	44.67	-29.33	74	50.97	36.41	14.42	57.13	100	0	P	H
		15960	51.09	-22.91	74	48.38	41.59	19.05	57.93	100	0	P	H
													H
													H
		10640	43.47	-30.53	74	49.77	36.41	14.42	57.13	100	0	P	V
		15962	50.65	-23.35	74	47.94	41.59	19.05	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.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5145.95	56.7	-17.3	74	46.04	32.73	10.22	32.29	100	47	P	H
		5143.25	43.65	-10.35	54	32.99	32.73	10.22	32.29	100	47	A	H
	*	5268	99.02	-	-	88.18	32.75	10.35	32.26	100	47	P	H
	*	5268	88.82	-	-	77.98	32.75	10.35	32.26	100	47	A	H
		5355.83	58.01	-15.99	74	47.07	32.77	10.4	32.23	100	47	P	H
		5350	45.41	-8.59	54	34.47	32.77	10.4	32.23	100	47	A	H
		5117.75	61.94	-12.06	74	51.39	32.72	10.13	32.3	142	278	P	V
		5148.95	47.84	-6.16	54	37.18	32.73	10.22	32.29	142	278	A	V
	*	5272	111.07	-	-	100.23	32.75	10.35	32.26	142	278	P	V
	*	5272	100.64	-	-	89.8	32.75	10.35	32.26	142	278	A	V
		5356.27	69.64	-4.36	74	58.7	32.77	10.4	32.23	142	278	P	V
		5350	51.81	-2.19	54	40.87	32.77	10.4	32.23	142	278	A	V
802.11n HT40 CH 62 5310MHz		5121.5	52.69	-21.31	74	42.14	32.72	10.13	32.3	109	133	P	H
		5120.15	43.25	-10.75	54	32.7	32.72	10.13	32.3	109	133	A	H
	*	5308	93.29	-	-	82.41	32.76	10.37	32.25	109	133	P	H
	*	5308	82.88	-	-	72	32.76	10.37	32.25	109	133	A	H
		5350.22	57.39	-16.61	74	46.45	32.77	10.4	32.23	109	133	P	H
		5350.66	44.92	-9.08	54	33.98	32.77	10.4	32.23	109	133	A	H
		5143.85	54.93	-19.07	74	44.27	32.73	10.22	32.29	144	283	P	V
		5144.75	44.97	-9.03	54	34.31	32.73	10.22	32.29	144	283	A	V
	*	5312	107.08	-	-	96.19	32.76	10.37	32.24	144	283	P	V
	*	5312	96.58	-	-	85.69	32.76	10.37	32.24	144	283	A	V
		5356.27	69.77	-4.23	74	58.83	32.77	10.4	32.23	144	283	P	V
		5350.11	53.68	-0.32	54	42.74	32.77	10.4	32.23	144	283	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	44.1	-29.9	74	50.29	36.55	14.37	57.11	100	0	P	H
		15810	48.93	-25.07	74	46.61	41.52	18.85	58.05	100	0	P	H
													H
													H
		10540	44.24	-29.76	74	50.43	36.55	14.37	57.11	100	0	P	V
		15810	49.4	-24.6	74	47.08	41.52	18.85	58.05	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	43.64	-30.36	74	49.91	36.43	14.42	57.12	100	0	P	H
		15930	48.12	-25.88	74	45.51	41.57	19	57.96	100	0	P	H
													H
													H
		10620	43.29	-30.71	74	49.56	36.43	14.42	57.12	100	0	P	V
		15930	48.53	-25.47	74	45.92	41.57	19	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.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5470	59.59	-14.41	74	48.56	32.79	10.44	32.2	194	191	P	H
		5470	44.63	-9.37	54	33.6	32.79	10.44	32.2	194	191	A	H
	*	5502	99.24	-	-	88.18	32.8	10.45	32.19	194	191	P	H
	*	5502	89.16	-	-	78.1	32.8	10.45	32.19	194	191	A	H
													H
													H
		5469.04	71.79	-2.21	74	60.76	32.79	10.44	32.2	130	269	P	V
		5470	52.65	-1.35	54	41.62	32.79	10.44	32.2	130	269	A	V
	*	5502	113.89	-	-	102.83	32.8	10.45	32.19	130	269	P	V
	*	5502	103.77	-	-	92.71	32.8	10.45	32.19	130	269	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5422.48	53.58	-20.42	74	42.58	32.78	10.43	32.21	265	150	P	H
		5418.8	43.38	-10.62	54	32.38	32.78	10.43	32.21	265	150	A	H
	*	5578	101.81	-	-	90.57	32.94	10.47	32.17	265	150	P	H
	*	5578	91.95	-	-	80.71	32.94	10.47	32.17	265	150	A	H
		5735.72	54.57	-19.43	74	42.87	33.28	10.53	32.11	265	150	P	H
		5739.08	44	-10	54	32.3	33.28	10.53	32.11	265	150	A	H
		5440.08	55.6	-18.4	74	44.59	32.79	10.43	32.21	133	267	P	V
		5351.76	44.94	-9.06	54	34	32.77	10.4	32.23	133	267	A	V
	*	5582	115.06	-	-	103.78	32.97	10.47	32.16	133	267	P	V
	*	5582	105.18	-	-	93.9	32.97	10.47	32.16	133	267	A	V
		5752.68	55.79	-18.21	74	44.05	33.32	10.53	32.11	133	267	P	V
		5741	44.89	-9.11	54	33.19	33.28	10.53	32.11	133	267	A	V



802.11n HT20 CH 140 5700MHz	*	5702	100.23	-	-	88.62	33.21	10.52	32.12	246	188	P	H
	*	5702	100.36	-	-	88.75	33.21	10.52	32.12	246	188	A	H
		5725	62.58	-11.42	74	50.93	33.25	10.52	32.12	246	188	P	H
		5725.16	45.51	-8.49	54	33.86	33.25	10.52	32.12	246	188	A	H
													H
													H
	*	5702	111.89	-	-	100.28	33.21	10.52	32.12	135	268	P	V
	*	5702	101.1	-	-	89.49	33.21	10.52	32.12	135	268	A	V
		5725.4	72.28	-1.72	74	60.63	33.25	10.52	32.12	135	268	P	V
		5725.24	53.45	-0.55	54	41.8	33.25	10.52	32.12	135	268	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	43.3	-30.7	74	49.95	35.9	14.65	57.2	100	0	P	H
		16502	53.73	-20.27	74	50.04	41.7	19.09	57.1	100	0	P	H
													H
													H
		11000	43.65	-30.35	74	50.3	35.9	14.65	57.2	100	0	P	V
		16500	56.03	-17.97	74	52.34	41.7	19.09	57.1	100	308	P	V
		16500	45.75	-8.25	54	42.06	41.7	19.09	57.1	100	308	A	V
													V
802.11n HT20 CH 116 5580MHz		11160	43.41	-30.59	74	49.76	36	14.75	57.1	100	0	P	H
		16742	56.09	-17.91	74	52.51	41.6	19.08	57.1	100	165	P	H
		16742	46.78	-7.22	54	43.2	41.6	19.08	57.1	100	165	A	H
													H
		11160	43.3	-30.7	74	49.65	36	14.75	57.1	100	0	P	V
		16742	56.88	-17.12	74	53.3	41.6	19.08	57.1	104	308	P	V
		16742	47.13	-6.87	54	43.55	41.6	19.08	57.1	104	308	A	V
													V
802.11n HT20 CH 140 5700MHz		11400	42.93	-31.07	74	48.84	36.14	14.91	56.96	100	0	P	H
		17100	51.92	-22.08	74	48.55	41.66	19.07	57.36	100	0	P	H
													H
													H
		11400	43.42	-30.58	74	49.33	36.14	14.91	56.96	100	0	P	V
		17112	52.58	-21.42	74	49.22	41.69	19.07	57.4	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5469.68	57.29	-16.71	74	46.26	32.79	10.44	32.2	100	129	P	H
		5469.52	44.06	-9.94	54	33.03	32.79	10.44	32.2	100	129	A	H
	*	5512	91.67	-	-	80.61	32.8	10.45	32.19	100	129	P	H
	*	5512	81.91	-	-	70.85	32.8	10.45	32.19	100	129	A	H
		5764.2	53.52	-20.48	74	41.78	33.32	10.53	32.11	100	129	P	H
		5745.72	44.03	-9.97	54	32.33	33.28	10.53	32.11	100	129	A	H
		5465.2	69.48	-4.52	74	58.45	32.79	10.44	32.2	131	281	P	V
		5469.84	53.03	-0.97	54	42	32.79	10.44	32.2	131	281	A	V
	*	5508	107.07	-	-	96.01	32.8	10.45	32.19	131	281	P	V
	*	5508	96.71	-	-	85.65	32.8	10.45	32.19	131	281	A	V
		5742.36	55.32	-18.68	74	43.62	33.28	10.53	32.11	131	281	P	V
		5727	44.78	-9.22	54	33.12	33.25	10.53	32.12	131	281	A	V
802.11n HT40 CH 110 5550MHz		5467.44	56.26	-17.74	74	45.23	32.79	10.44	32.2	101	157	P	H
		5468.88	44.39	-9.61	54	33.36	32.79	10.44	32.2	101	157	A	H
	*	5548	96.63	-	-	85.44	32.9	10.46	32.17	101	157	P	H
	*	5548	86.84	-	-	75.65	32.9	10.46	32.17	101	157	A	H
		5741.4	54.01	-19.99	74	42.31	33.28	10.53	32.11	101	157	P	H
		5740.52	44.03	-9.97	54	32.33	33.28	10.53	32.11	101	157	A	H
		5468.72	69.82	-4.18	74	58.79	32.79	10.44	32.2	131	281	P	V
		5469.36	53.41	-0.59	54	42.38	32.79	10.44	32.2	131	281	A	V
	*	5548	112.08	-	-	100.89	32.9	10.46	32.17	131	281	P	V
	*	5548	101.83	-	-	90.64	32.9	10.46	32.17	131	281	A	V
		5730.28	57.18	-16.82	74	45.52	33.25	10.53	32.12	131	281	P	V
		5726.52	45.58	-8.42	54	33.92	33.25	10.53	32.12	131	281	A	V



802.11n HT40 CH 134 5670MHz		5425.2	53.1	-20.9	74	42.1	32.78	10.43	32.21	191	194	P	H
		5427.44	43.5	-10.5	54	32.5	32.78	10.43	32.21	191	194	A	H
	*	5672	97.85	-	-	86.34	33.14	10.5	32.13	191	194	P	H
	*	5672	87.48	-	-	75.97	33.14	10.5	32.13	191	194	A	H
		5726.2	57.07	-16.93	74	45.41	33.25	10.53	32.12	191	194	P	H
		5725	45.77	-8.23	54	34.12	33.25	10.52	32.12	191	194	A	H
		5454.48	54.61	-19.39	74	43.58	32.79	10.44	32.2	158	276	P	V
		5458.8	44.85	-9.15	54	33.82	32.79	10.44	32.2	158	276	A	V
	*	5668	109.06	-	-	97.55	33.14	10.5	32.13	158	276	P	V
	*	5668	98.96	-	-	87.45	33.14	10.5	32.13	158	276	A	V
		5725	71.37	-2.63	74	59.72	33.25	10.52	32.12	158	276	P	V
		5725.08	53.43	-0.57	54	41.78	33.25	10.52	32.12	158	276	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	43.58	-30.42	74	50.18	35.91	14.68	57.19	100	0	P	H
		16532	52.23	-21.77	74	48.55	41.69	19.09	57.1	100	0	P	H
													H
													H
		11020	43.25	-30.75	74	49.85	35.91	14.68	57.19	100	0	P	V
		16532	53.15	-20.85	74	49.47	41.69	19.09	57.1	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	42.49	-31.51	74	48.94	35.96	14.73	57.14	100	0	P	H
		16650	53.84	-20.16	74	50.22	41.64	19.08	57.1	100	0	P	H
													H
													H
		11100	43.14	-30.86	74	49.59	35.96	14.73	57.14	100	0	P	V
		16648	54.33	-19.67	74	50.71	41.64	19.08	57.1	100	131	P	V
		16648	43.78	-10.22	54	40.16	41.64	19.08	57.1	100	131	A	V
													V
802.11n HT40 CH 134 5670MHz		11340	43.3	-30.7	74	49.32	36.1	14.88	57	100	0	P	H
		17010	49.41	-24.59	74	45.94	41.53	19.08	57.14	100	0	P	H
													H
													H
		11340	43.14	-30.86	74	49.16	36.1	14.88	57	100	0	P	V
		17010	49.65	-24.35	74	46.18	41.53	19.08	57.14	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (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 HT20 LF		80.76	22.66	-17.34	40	44.77	7.1	1.22	30.43			P	H
		188.76	24.75	-18.75	43.5	44.38	8.82	1.89	30.34			P	H
		238.98	22.99	-23.01	46	40.05	11.18	2.02	30.26			P	H
		411.3	29.75	-16.25	46	40.71	16.34	2.68	29.98			P	H
		780.2	35.27	-10.73	46	38.85	22.1	3.72	29.4	100	0	P	H
		900.6	28.2	-17.8	46	29.94	23.41	3.98	29.13			P	H
													H
													H
													H
													H
													H
													H
		80.76	25.22	-14.78	40	47.33	7.1	1.22	30.43	100	0	P	V
		109.38	25.49	-18.01	43.5	43.51	10.9	1.48	30.4			P	V
		188.49	23.73	-19.77	43.5	43.34	8.84	1.89	30.34			P	V
		420.4	28.96	-17.04	46	39.54	16.7	2.68	29.96			P	V
		727.7	24.62	-21.38	46	28.91	21.76	3.4	29.45			P	V
		960.1	29.87	-24.13	54	29.83	24.9	4.08	28.94			P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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”.