



## Appendix B. Radiated Spurious Emission

Test Engineer :	Elvis Chen, Stan Hsieh, Karl Hou, and Lewis He	Temperature :	22~23°C
		Relative Humidity :	43~44%

<For Sample 2>

Band 1 - 5150~5250MHz

WIFI 802.11a (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)
802.11a CH 36 5180MHz		5149.55	64.37	-9.63	74	57.02	31.98	7.94	32.57	100	322	P	H
		5127.65	49.76	-4.24	54	42.43	31.96	7.94	32.57	100	322	A	H
	*	5180	110.36	-	-	103	32.02	7.91	32.57	100	322	P	H
	*	5180	104.88	-	-	97.52	32.02	7.91	32.57	100	322	A	H
													H
		5127.2	53.36	-20.64	74	46.03	31.96	7.94	32.57	100	63	P	V
		5127.65	46.59	-7.41	54	39.26	31.96	7.94	32.57	100	63	A	V
	*	5180	107.18	-	-	99.82	32.02	7.91	32.57	100	63	P	V
	*	5180	101.87	-	-	94.51	32.02	7.91	32.57	100	63	A	V
													V
802.11a CH 44 5220MHz		5146.25	55.78	-18.22	74	48.43	31.98	7.94	32.57	100	322	P	H
		5129.15	43.15	-10.85	54	35.82	31.96	7.94	32.57	100	322	A	H
	*	5220	110.79	-	-	103.29	32.06	8.01	32.57	100	322	P	H
	*	5220	105.66	-	-	98.16	32.06	8.01	32.57	100	322	A	H
		5350.88	50.18	-23.82	74	42.3	32.22	8.23	32.57	100	322	P	H
		5409.51	40.31	-13.69	54	32.31	32.28	8.29	32.57	100	322	A	H
		5145.95	51.49	-22.51	74	44.14	31.98	7.94	32.57	100	62	P	V
		5119.55	41.63	-12.37	54	34.3	31.94	7.96	32.57	100	62	A	V
	*	5220	106.62	-	-	99.12	32.06	8.01	32.57	100	62	P	V
	*	5220	101.63	-	-	94.13	32.06	8.01	32.57	100	62	A	V
		5450.87	48.92	-25.08	74	40.86	32.34	8.29	32.57	100	62	P	V
		5351.43	39.69	-14.31	54	31.81	32.22	8.23	32.57	100	62	A	V



<b>802.11a CH 48 5240MHz</b>		5150	52.04	-21.96	74	44.69	31.98	7.94	32.57	100	322	P	H
		5138.3	43.37	-10.63	54	36.04	31.96	7.94	32.57	100	322	A	H
	*	5240	111.08	-	-	103.56	32.08	8.01	32.57	100	322	P	H
	*	5240	106.06	-	-	98.54	32.08	8.01	32.57	100	322	A	H
		5405.11	49.97	-24.03	74	41.97	32.28	8.29	32.57	100	322	P	H
		5437.23	40.2	-13.8	54	32.16	32.32	8.29	32.57	100	322	A	H
		5145.05	51.3	-22.7	74	43.95	31.98	7.94	32.57	110	66	P	V
		5137.1	42.07	-11.93	54	34.74	31.96	7.94	32.57	110	66	A	V
	*	5240	107.65	-	-	100.13	32.08	8.01	32.57	110	66	P	V
	*	5240	102.08	-	-	94.56	32.08	8.01	32.57	110	66	A	V
		5353.63	49.8	-24.2	74	41.92	32.22	8.23	32.57	110	66	P	V
		5351.43	39.74	-14.26	54	31.86	32.22	8.23	32.57	110	66	A	V
<b>Remark</b>	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		10359	52.58	-21.42	74	64.04	39.69	11.96	63.11	100	25	P	H
		10359	45.94	-8.06	54	57.4	39.69	11.96	63.11	100	25	A	H
		15540	48.22	-25.78	74	55.61	38.04	14.76	60.19	100	0	P	H
													H
		10359	50.92	-23.08	74	62.38	39.69	11.96	63.11	100	0	P	V
		15540	47.46	-26.54	74	54.85	38.04	14.76	60.19	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	49.94	-24.06	74	61.17	39.79	12.03	63.05	100	0	P	H
		15660	46.06	-27.94	74	53.59	37.85	14.79	60.17	100	0	P	H
													H
													H
		10440	49.59	-24.41	74	60.82	39.79	12.03	63.05	100	0	P	V
		15660	46.28	-27.72	74	53.81	37.85	14.79	60.17	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	49.63	-24.37	74	60.71	39.87	12.06	63.01	100	0	P	H
		15720	47.79	-26.21	74	55.4	37.74	14.81	60.16	100	0	P	H
													H
													H
		10479	50.35	-23.65	74	61.43	39.87	12.06	63.01	100	0	P	V
		15720	46.17	-27.83	74	53.78	37.74	14.81	60.16	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		5148.35	58.29	-15.71	74	50.94	31.98	7.94	32.57	100	321	P	H
		5127.5	50.02	-3.98	54	42.69	31.96	7.94	32.57	100	321	A	H
	*	5180	110.91	-	-	103.55	32.02	7.91	32.57	100	321	P	H
	*	5180	105.81	-	-	98.45	32.02	7.91	32.57	100	321	A	H
													H
													H
		5148.2	55.55	-18.45	74	48.2	31.98	7.94	32.57	128	64	P	V
		5127.65	47.07	-6.93	54	39.74	31.96	7.94	32.57	128	64	A	V
	*	5180	107.84	-	-	100.48	32.02	7.91	32.57	128	64	P	V
	*	5180	102.74	-	-	95.38	32.02	7.91	32.57	128	64	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5120.75	52.58	-21.42	74	45.25	31.94	7.96	32.57	100	334	P	H
		5129.15	43.38	-10.62	54	36.05	31.96	7.94	32.57	100	334	A	H
	*	5214	110.3	-	-	102.8	32.06	8.01	32.57	100	334	P	H
	*	5214	105.38	-	-	97.88	32.06	8.01	32.57	100	334	A	H
		5370.13	49.37	-24.63	74	41.41	32.24	8.29	32.57	100	334	P	H
		5407.31	40.11	-13.89	54	32.11	32.28	8.29	32.57	100	334	A	H
		5124.65	52.01	-21.99	74	44.68	31.96	7.94	32.57	128	63	P	V
		5129.45	41.91	-12.09	54	34.58	31.96	7.94	32.57	128	63	A	V
	*	5220	107.24	-	-	99.74	32.06	8.01	32.57	128	63	P	V
	*	5220	102.11	-	-	94.61	32.06	8.01	32.57	128	63	A	V
		5396.2	48.53	-25.47	74	40.53	32.28	8.29	32.57	128	63	P	V
		5409.29	39.69	-14.31	54	31.69	32.28	8.29	32.57	128	63	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 48</b> <b>5240MHz</b>		5141	52.52	-21.48	74	45.17	31.98	7.94	32.57	100	322	P	H
		5139.05	43.34	-10.66	54	36.01	31.96	7.94	32.57	100	322	A	H
	*	5240	110.26	-	-	102.74	32.08	8.01	32.57	100	322	P	H
	*	5240	106.01	-	-	98.49	32.08	8.01	32.57	100	322	A	H
		5386.08	49.66	-24.34	74	41.68	32.26	8.29	32.57	100	322	P	H
		5437.12	40.22	-13.78	54	32.18	32.32	8.29	32.57	100	322	A	H
		5143.4	51.46	-22.54	74	44.11	31.98	7.94	32.57	103	66	P	V
		5138.6	42.05	-11.95	54	34.72	31.96	7.94	32.57	103	66	A	V
	*	5240	108.4	-	-	100.88	32.08	8.01	32.57	103	66	P	V
	*	5240	102.51	-	-	94.99	32.08	8.01	32.57	103	66	A	V
		5383.55	49.26	-24.74	74	41.28	32.26	8.29	32.57	103	66	P	V
		5352.09	39.76	-14.24	54	31.88	32.22	8.23	32.57	103	66	A	V
<b>Remark</b>	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		10359	52.5	-21.5	74	63.96	39.69	11.96	63.11	100	25	P	H
		10359	46.88	-7.12	54	58.34	39.69	11.96	63.11	100	25	A	H
		15540	48.38	-25.62	74	55.77	38.04	14.76	60.19	100	0	P	H
													H
		10359	52.07	-21.93	74	63.53	39.69	11.96	63.11	100	0	P	V
		10359	47.66	-6.34	54	59.12	39.69	11.96	63.11	100	0	A	V
		15540	47.51	-26.49	74	54.9	38.04	14.76	60.19	100	0	P	V
													V
802.11n HT20 CH 44 5220MHz		10443	50.23	-23.77	74	61.46	39.79	12.03	63.05	100	0	P	H
		15660	47.93	-26.07	74	55.46	37.85	14.79	60.17	100	0	P	H
													H
													H
		10440	52.53	-21.47	74	63.76	39.79	12.03	63.05	100	305	P	V
		10440	46.17	-7.83	54	57.4	39.79	12.03	63.05	100	305	A	V
		15660	47.2	-26.8	74	54.73	37.85	14.79	60.17	100	0	P	V
													V
802.11n HT20 CH 48 5240MHz		10482	50.31	-23.69	74	61.39	39.87	12.06	63.01	100	0	P	H
		15720	44.51	-29.49	74	52.12	37.74	14.81	60.16	100	0	P	H
													H
													H
		10482	50.27	-23.73	74	61.35	39.87	12.06	63.01	100	0	P	V
		15720	45.62	-28.38	74	53.23	37.74	14.81	60.16	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	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		5150	64.18	-9.82	74	56.83	31.98	7.94	32.57	100	322	P	H
		5150	46.7	-7.3	54	39.35	31.98	7.94	32.57	100	322	A	H
	*	5190	105.73	-	-	98.37	32.02	7.91	32.57	100	322	P	H
	*	5190	100.35	-	-	92.99	32.02	7.91	32.57	100	322	A	H
		5400.05	49.34	-24.66	74	41.34	32.28	8.29	32.57	100	322	P	H
		5379.04	39.93	-14.07	54	31.95	32.26	8.29	32.57	100	322	A	H
		5149.85	59.35	-14.65	74	52	31.98	7.94	32.57	100	63	P	V
		5150	44.54	-9.46	54	37.19	31.98	7.94	32.57	100	63	A	V
	*	5190	103.1	-	-	95.74	32.02	7.91	32.57	100	63	P	V
	*	5190	97.79	-	-	90.43	32.02	7.91	32.57	100	63	A	V
		5354.51	49.49	-24.51	74	41.61	32.22	8.23	32.57	100	63	P	V
		5350	39.69	-14.31	54	31.81	32.22	8.23	32.57	100	63	A	V
802.11n HT40 CH 46 5230MHz		5125.4	52.81	-21.19	74	45.48	31.96	7.94	32.57	100	323	P	H
		5127.2	45.68	-8.32	54	38.35	31.96	7.94	32.57	100	323	A	H
	*	5230	107.42	-	-	99.9	32.08	8.01	32.57	100	323	P	H
	*	5230	101.3	-	-	93.78	32.08	8.01	32.57	100	323	A	H
		5449.55	48.94	-25.06	74	40.88	32.34	8.29	32.57	100	323	P	H
		5350	43.11	-10.89	54	35.23	32.22	8.23	32.57	100	323	A	H
		5126.15	51.93	-22.07	74	44.6	31.96	7.94	32.57	100	61	P	V
		5127.2	43.56	-10.44	54	36.23	31.96	7.94	32.57	100	61	A	V
	*	5230	102.29	-	-	94.77	32.08	8.01	32.57	100	61	P	V
	*	5230	97.35	-	-	89.83	32.08	8.01	32.57	100	61	A	V
		5441.08	49.6	-24.4	74	41.56	32.32	8.29	32.57	100	61	P	V
		5350	40.89	-13.11	54	33.01	32.22	8.23	32.57	100	61	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	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	49.65	-24.35	74	61.07	39.71	11.96	63.09	100	0	P	H
		15570	43.02	-30.98	74	50.45	37.99	14.77	60.19	100	0	P	H
													H
													H
		10380	48.79	-25.21	74	60.21	39.71	11.96	63.09	100	0	P	V
		15570	43.45	-30.55	74	50.88	37.99	14.77	60.19	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10461	48.83	-25.17	74	59.98	39.85	12.03	63.03	100	0	P	H
		15690	44.97	-29.03	74	52.53	37.8	14.8	60.16	100	0	P	H
													H
													H
		10461	48.09	-25.91	74	59.24	39.85	12.03	63.03	100	0	P	V
		15690	44.7	-29.3	74	52.26	37.8	14.8	60.16	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 802.11a (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		5144.45	52.08	-21.92	74	44.73	31.98	7.94	32.57	104	328	P	H
		5071.7	43.18	-10.82	54	35.86	31.9	7.99	32.57	104	328	A	H
	*	5260	114.64	-	-	106.97	32.12	8.12	32.57	104	328	P	H
	*	5260	109.55	-	-	101.88	32.12	8.12	32.57	104	328	A	H
		5456.7	50.81	-23.19	74	42.75	32.34	8.29	32.57	104	328	P	H
		5351.65	41.99	-12.01	54	34.11	32.22	8.23	32.57	104	328	A	H
		5062.25	52.11	-21.89	74	44.81	31.88	7.99	32.57	105	65	P	V
		5072.45	42.28	-11.72	54	34.96	31.9	7.99	32.57	105	65	A	V
	*	5260	111.79	-	-	104.12	32.12	8.12	32.57	105	65	P	V
	*	5260	106.17	-	-	98.5	32.12	8.12	32.57	105	65	A	V
		5350.66	49.82	-24.18	74	41.94	32.22	8.23	32.57	105	65	P	V
		5350.77	40.66	-13.34	54	32.78	32.22	8.23	32.57	105	65	A	V
802.11a CH 60 5300MHz		5102.75	51.8	-22.2	74	44.49	31.92	7.96	32.57	100	322	P	H
		5101.55	42.81	-11.19	54	35.5	31.92	7.96	32.57	100	322	A	H
	*	5300	115.17	-	-	107.4	32.16	8.18	32.57	100	322	P	H
	*	5300	108.33	-	-	100.56	32.16	8.18	32.57	100	322	A	H
		5352.53	60.05	-13.95	74	52.17	32.22	8.23	32.57	100	322	P	H
		5352.31	51.83	-2.17	54	43.95	32.22	8.23	32.57	100	322	A	H
		5017.7	51.14	-22.86	74	43.87	31.82	8.02	32.57	100	65	P	V
		5101.4	41.83	-12.17	54	34.52	31.92	7.96	32.57	100	65	A	V
	*	5300	109.01	-	-	101.24	32.16	8.18	32.57	100	65	P	V
	*	5300	103.94	-	-	96.17	32.16	8.18	32.57	100	65	A	V
		5352.97	54.92	-19.08	74	47.04	32.22	8.23	32.57	100	65	P	V
		5352.31	47.74	-6.26	54	39.86	32.22	8.23	32.57	100	65	A	V



<b>802.11a</b> <b>CH 64</b> <b>5320MHz</b>	*	5320	112.87	-	-	105.08	32.18	8.18	32.57	100	329	P	H
	*	5320	107.5	-	-	99.71	32.18	8.18	32.57	100	329	A	H
		5351.1	65.41	-8.59	74	57.53	32.22	8.23	32.57	100	329	P	H
		5350	52.17	-1.83	54	44.29	32.22	8.23	32.57	100	329	A	H
													H
													H
	*	5320	110.02	-	-	102.23	32.18	8.18	32.57	104	64	P	V
	*	5320	104.51	-	-	96.72	32.18	8.18	32.57	104	64	A	V
		5350.99	60.84	-13.16	74	52.96	32.22	8.23	32.57	104	64	P	V
		5350	48.96	-5.04	54	41.08	32.22	8.23	32.57	104	64	A	V
													V
													V
<b>Remark</b>	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		10521	50.7	-23.3	74	61.7	39.91	12.08	62.99	100	0	P	H
		15780	50.8	-23.2	74	58.46	37.66	14.82	60.14	100	0	P	H
													H
													H
		10521	50.88	-23.12	74	61.88	39.91	12.08	62.99	100	0	P	V
		15780	48.47	-25.53	74	56.13	37.66	14.82	60.14	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10599	53.17	-20.83	74	64.04	39.98	12.11	62.96	100	348	P	H
		10599	45.47	-8.53	54	56.34	39.98	12.11	62.96	100	348	A	H
		15900	46.33	-27.67	74	54.13	37.47	14.85	60.12	100	0	P	H
													H
		10599	51.85	-22.15	74	62.72	39.98	12.11	62.96	100	308	P	V
		10599	46.75	-7.25	54	57.62	39.98	12.11	62.96	100	308	A	V
		15900	45.73	-28.27	74	53.53	37.47	14.85	60.12	100	0	P	V
													V
802.11a CH 64 5320MHz		10641	51.72	-22.28	74	62.52	40.01	12.13	62.94	100	360	P	H
		10641	45.13	-8.87	54	55.93	40.01	12.13	62.94	100	360	A	H
		15960	45.14	-28.86	74	53.02	37.36	14.87	60.11	100	0	P	H
													H
		10641	50.68	-23.32	74	61.48	40.01	12.13	62.94	100	0	P	V
		15960	45.04	-28.96	74	52.92	37.36	14.87	60.11	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		5074.25	52.12	-21.88	74	44.8	31.9	7.99	32.57	100	329	P	H
		5072.6	42.77	-11.23	54	35.45	31.9	7.99	32.57	100	329	A	H
	*	5260	113.17	-	-	105.5	32.12	8.12	32.57	100	329	P	H
	*	5260	108.32	-	-	100.65	32.12	8.12	32.57	100	329	P	H
		5352.97	50.54	-23.46	74	42.66	32.22	8.23	32.57	100	329	P	H
		5458.79	41.38	-12.62	54	33.32	32.34	8.29	32.57	100	329	A	H
		5033.3	51.04	-22.96	74	43.75	31.84	8.02	32.57	104	65	P	V
		5072.75	41.95	-12.05	54	34.63	31.9	7.99	32.57	104	65	A	V
	*	5260	110.36	-	-	102.69	32.12	8.12	32.57	104	65	P	V
	*	5260	105.14	-	-	97.47	32.12	8.12	32.57	104	65	A	V
		5353.63	49.57	-24.43	74	41.69	32.22	8.23	32.57	104	65	P	V
		5350.22	40.31	-13.69	54	32.43	32.22	8.23	32.57	104	65	A	V
802.11n HT20 CH 60 5300MHz		5007.05	51.37	-22.63	74	44.1	31.82	8.02	32.57	104	319	P	H
		5104.1	42.55	-11.45	54	35.24	31.92	7.96	32.57	104	319	A	H
	*	5300	113.96	-	-	106.19	32.16	8.18	32.57	104	319	P	H
	*	5300	107.41	-	-	99.64	32.16	8.18	32.57	104	319	A	H
		5351.76	59.53	-14.47	74	51.65	32.22	8.23	32.57	104	319	P	H
		5351.76	52.51	-1.49	54	44.63	32.22	8.23	32.57	104	319	A	H
		5034.65	52.52	-21.48	74	45.23	31.84	8.02	32.57	100	66	P	V
		5104.1	41.73	-12.27	54	34.42	31.92	7.96	32.57	100	66	A	V
	*	5300	108.42	-	-	100.65	32.16	8.18	32.57	100	66	P	V
	*	5300	103.22	-	-	95.45	32.16	8.18	32.57	100	66	A	V
		5351.54	53.33	-20.67	74	45.45	32.22	8.23	32.57	100	66	P	V
		5351.76	47.06	-6.94	54	39.18	32.22	8.23	32.57	100	66	A	V



<b>802.11n</b>  <b>HT20</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5320	111.91	-	-	104.12	32.18	8.18	32.57	100	319	P	H
	*	5320	106.2	-	-	98.41	32.18	8.18	32.57	100	319	A	H
		5350.88	64.35	-9.65	74	56.47	32.22	8.23	32.57	100	319	P	H
		5371.78	51.21	-2.79	54	43.25	32.24	8.29	32.57	100	319	A	H
													H
													H
	*	5320	107.36	-	-	99.57	32.18	8.18	32.57	106	73	P	V
	*	5320	102.29	-	-	94.5	32.18	8.18	32.57	106	73	A	V
		5351.43	64.09	-9.91	74	56.21	32.22	8.23	32.57	106	73	P	V
		5371.78	46.86	-7.14	54	38.9	32.24	8.29	32.57	106	73	A	V
													V
													V
<b>Remark</b>	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		10521	50.77	-23.23	74	61.77	39.91	12.08	62.99	100	0	P	H
		15780	47.26	-26.74	74	54.92	37.66	14.82	60.14	100	0	P	H
													H
													H
		10521	51.24	-22.76	74	62.24	39.91	12.08	62.99	100	305	P	V
		10521	46.42	-7.58	54	57.42	39.91	12.08	62.99	100	305	A	V
		15780	49.31	-24.69	74	56.97	37.66	14.82	60.14	100	0	P	V
													V
802.11n HT20 CH 60 5300MHz		10602	51.89	-22.11	74	62.76	39.98	12.11	62.96	122	355	P	H
		10602	44.57	-9.43	54	55.44	39.98	12.11	62.96	122	355	A	H
		15900	43.12	-30.88	74	50.92	37.47	14.85	60.12	100	0	P	H
													H
		10602	52.7	-21.3	74	63.57	39.98	12.11	62.96	100	303	P	V
		10602	47.04	-6.96	54	57.91	39.98	12.11	62.96	100	303	A	V
		15900	44.27	-29.73	74	52.07	37.47	14.85	60.12	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10641	49.26	-24.74	74	60.06	40.01	12.13	62.94	100	0	P	H
		15960	42.81	-31.19	74	50.69	37.36	14.87	60.11	100	0	P	H
													H
													H
		10641	49.56	-24.44	74	60.36	40.01	12.13	62.94	100	0	P	V
		15960	43.71	-30.29	74	51.59	37.36	14.87	60.11	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	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		5102.45	51.61	-22.39	74	44.3	31.92	7.96	32.57	100	322	P	H
		5150	44.13	-9.87	54	36.78	31.98	7.94	32.57	100	322	A	H
	*	5270	107.28	-	-	99.61	32.12	8.12	32.57	100	322	P	H
	*	5270	101.73	-	-	94.06	32.12	8.12	32.57	100	322	A	H
		5372.33	52.14	-21.86	74	44.18	32.24	8.29	32.57	100	322	P	H
		5372.88	44.47	-9.53	54	36.51	32.24	8.29	32.57	100	322	A	H
		5097.8	51.1	-22.9	74	43.79	31.92	7.96	32.57	100	73	P	V
		5149.85	41.91	-12.09	54	34.56	31.98	7.94	32.57	100	73	A	V
	*	5270	103.35	-	-	95.68	32.12	8.12	32.57	100	73	P	V
	*	5270	97.66	-	-	89.99	32.12	8.12	32.57	100	73	A	V
		5353.74	49.84	-24.16	74	41.96	32.22	8.23	32.57	100	73	P	V
		5389.93	41.77	-12.23	54	33.79	32.26	8.29	32.57	100	73	A	V
802.11n HT40 CH 62 5310MHz		5099.3	51.01	-22.99	74	43.7	31.92	7.96	32.57	110	317	P	H
		5105.6	41.83	-12.17	54	34.5	31.94	7.96	32.57	110	317	A	H
	*	5310	107.67	-	-	99.88	32.18	8.18	32.57	110	317	P	H
	*	5310	102.52	-	-	94.73	32.18	8.18	32.57	110	317	A	H
		5353.85	64.36	-9.64	74	56.48	32.22	8.23	32.57	110	317	P	H
		5350	51.39	-2.61	54	43.51	32.22	8.23	32.57	110	317	A	H
		5136.8	51.82	-22.18	74	44.49	31.96	7.94	32.57	106	64	P	V
		5102.3	41.45	-12.55	54	34.14	31.92	7.96	32.57	106	64	A	V
	*	5310	104.41	-	-	96.62	32.18	8.18	32.57	106	64	P	V
	*	5310	99.03	-	-	91.24	32.18	8.18	32.57	106	64	A	V
		5350.22	62.98	-11.02	74	55.1	32.22	8.23	32.57	106	64	P	V
		5350	47.82	-6.18	54	39.94	32.22	8.23	32.57	106	64	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		10539	46.87	-27.13	74	57.85	39.93	12.08	62.99	100	0	P	H
		15810	44.36	-29.64	74	52.07	37.6	14.83	60.14	100	0	P	H
													H
													H
		10539	46.72	-27.28	74	57.7	39.93	12.08	62.99	100	0	P	V
		15810	45	-29	74	52.71	37.6	14.83	60.14	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	48.68	-25.32	74	59.52	40	12.11	62.95	100	0	P	H
		15930	43.13	-30.87	74	50.97	37.41	14.86	60.11	100	0	P	H
													H
													H
		10620	48.14	-25.86	74	58.98	40	12.11	62.95	100	0	P	V
		15930	42.15	-31.85	74	49.99	37.41	14.86	60.11	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 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)
<b>802.11a CH 100 5500MHz</b>		5469.84	58.18	-15.82	74	50.1	32.36	8.29	32.57	100	330	P	H
		5447.6	50.42	-3.58	54	42.36	32.34	8.29	32.57	100	330	A	H
	*	5500	111.33	-	-	103.21	32.4	8.29	32.57	100	330	P	H
	*	5500	105.81	-	-	97.69	32.4	8.29	32.57	100	330	A	H
													H
													H
		5468.08	53.2	-20.8	74	45.12	32.36	8.29	32.57	100	66	P	V
		5447.44	45.89	-8.11	54	37.83	32.34	8.29	32.57	100	66	A	V
	*	5500	105.41	-	-	97.29	32.4	8.29	32.57	100	66	P	V
	*	5500	100.32	-	-	92.2	32.4	8.29	32.57	100	66	A	V
													V
													V
<b>802.11a CH 116 5580MHz</b>		5368.72	50.44	-23.56	74	42.48	32.24	8.29	32.57	100	318	P	H
		5382.32	41.53	-12.47	54	33.55	32.26	8.29	32.57	100	318	A	H
	*	5580	115.02	-	-	106.99	32.44	8.2	32.61	100	318	P	H
	*	5580	109.87	-	-	101.84	32.44	8.2	32.61	100	318	A	H
		5735.72	50.73	-23.27	74	42.53	32.54	8.33	32.67	100	318	P	H
		5764.76	43.31	-10.69	54	35.07	32.56	8.35	32.67	100	318	A	H
		5447.6	48.75	-25.25	74	40.69	32.34	8.29	32.57	100	63	P	V
		5468.56	39.82	-14.18	54	31.74	32.36	8.29	32.57	100	63	A	V
	*	5580	109.8	-	-	101.77	32.44	8.2	32.61	100	63	P	V
	*	5580	104.92	-	-	96.89	32.44	8.2	32.61	100	63	A	V
		5764.44	50.68	-23.32	74	42.44	32.56	8.35	32.67	100	63	P	V
		5764.92	41.74	-12.26	54	33.5	32.56	8.35	32.67	100	63	A	V



<b>802.11a CH 140 5700MHz</b>	*	5700	112.72	-	-	104.56	32.51	8.3	32.65	100	326	P	H
	*	5700	106.45	-	-	98.29	32.51	8.3	32.65	100	326	A	H
		5728.2	59.7	-14.3	74	51.5	32.53	8.33	32.66	100	326	P	H
		5752.36	50.29	-3.71	54	42.07	32.56	8.33	32.67	100	326	A	H
													H
													H
	*	5700	105.74	-	-	97.58	32.51	8.3	32.65	100	63	P	V
	*	5700	100.68	-	-	92.52	32.51	8.3	32.65	100	63	A	V
		5726.04	56.94	-17.06	74	48.74	32.53	8.33	32.66	100	63	P	V
		5752.28	45.44	-8.56	54	37.22	32.56	8.33	32.67	100	63	A	V
													V
													V
<b>Remark</b>	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	57.04	-16.96	74	67.24	40.3	12.3	62.8	100	317	P	H
		11000	46.35	-7.65	54	56.55	40.3	12.3	62.8	100	317	A	H
		16500	44.08	-29.92	74	49.45	38.8	15.23	59.4	100	0	P	H
													H
		11000	59.96	-14.04	74	70.16	40.3	12.3	62.8	100	307	P	V
		11000	47.58	-6.42	54	57.78	40.3	12.3	62.8	100	307	A	V
		16500	43.94	-30.06	74	49.31	38.8	15.23	59.4	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	59.35	-14.65	74	69.56	40.2	12.39	62.8	100	322	P	H
		11160	50.69	-3.31	54	60.9	40.2	12.39	62.8	100	322	A	H
		16740	45	-29	74	49.82	39.57	15.3	59.69	100	0	P	H
													H
		11160	59.46	-14.54	74	69.67	40.2	12.39	62.8	100	310	P	V
		11160	50.93	-3.07	54	61.14	40.2	12.39	62.8	100	310	A	V
		16740	47.87	-26.13	74	52.69	39.57	15.3	59.69	100	0	P	V
													V
802.11a CH 140 5700MHz		11403	58.86	-15.14	74	69.07	40.06	12.53	62.8	100	328	P	H
		11403	48.57	-5.43	54	58.78	40.06	12.53	62.8	100	328	A	H
		17100	45.35	-28.65	74	49.25	40.68	15.48	60.06	100	0	P	H
													H
		11403	56.05	-17.95	74	66.26	40.06	12.53	62.8	113	313	P	V
		11403	46.4	-7.6	54	56.61	40.06	12.53	62.8	113	313	A	V
		17100	47.07	-26.93	74	50.97	40.68	15.48	60.06	100	0	P	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		5470	60.28	-13.72	74	52.2	32.36	8.29	32.57	100	321	P	H
		5448.08	51.28	-2.72	54	43.22	32.34	8.29	32.57	100	321	A	H
	*	5500	111.55	-	-	103.43	32.4	8.29	32.57	100	321	P	H
	*	5500	105.65	-	-	97.53	32.4	8.29	32.57	100	321	A	H
													H
													H
		5467.12	58.02	-15.98	74	49.94	32.36	8.29	32.57	100	65	P	V
		5448.08	47.31	-6.69	54	39.25	32.34	8.29	32.57	100	65	A	V
	*	5500	106.25	-	-	98.13	32.4	8.29	32.57	100	65	P	V
	*	5500	101.86	-	-	93.74	32.4	8.29	32.57	100	65	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5418.96	50.17	-23.83	74	42.15	32.3	8.29	32.57	105	326	P	H
		5383.76	41.53	-12.47	54	33.55	32.26	8.29	32.57	105	326	A	H
	*	5580	114.5	-	-	106.47	32.44	8.2	32.61	105	326	P	H
	*	5580	109.34	-	-	101.31	32.44	8.2	32.61	105	326	A	H
		5747.08	51.82	-22.18	74	43.62	32.54	8.33	32.67	105	326	P	H
		5764.6	43.23	-10.77	54	34.99	32.56	8.35	32.67	105	326	A	H
		5396.88	49.68	-24.32	74	41.68	32.28	8.29	32.57	100	68	P	V
		5391.92	40.32	-13.68	54	32.34	32.26	8.29	32.57	100	68	A	V
	*	5580	109.42	-	-	101.39	32.44	8.2	32.61	100	68	P	V
	*	5580	103.88	-	-	95.85	32.44	8.2	32.61	100	68	A	V
		5728.2	51.04	-22.96	74	42.84	32.53	8.33	32.66	100	68	P	V
		5764.6	41.63	-12.37	54	33.39	32.56	8.35	32.67	100	68	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	111.72	-	-	103.56	32.51	8.3	32.65	100	326	P	H
	*	5700	106.43	-	-	98.27	32.51	8.3	32.65	100	326	A	H
		5726.04	69.18	-4.82	74	60.98	32.53	8.33	32.66	100	326	P	H
		5751.8	51.12	-2.88	54	42.9	32.56	8.33	32.67	100	326	A	H
													H
													H
	*	5700	107.08	-	-	98.92	32.51	8.3	32.65	100	63	P	V
	*	5700	101.66	-	-	93.5	32.51	8.3	32.65	100	63	A	V
		5731.4	59.65	-14.35	74	51.46	32.53	8.33	32.67	100	63	P	V
		5751.8	47.01	-6.99	54	38.79	32.56	8.33	32.67	100	63	A	V
													V
													V
<b>Remark</b>	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		11007	56.49	-17.51	74	66.7	40.29	12.3	62.8	100	360	P	H
		11007	50.17	-3.83	54	60.38	40.29	12.3	62.8	100	360	A	H
		16500	43.83	-30.17	74	49.2	38.8	15.23	59.4	100	0	P	H
													H
		11001	55.46	-18.54	74	65.66	40.3	12.3	62.8	100	310	P	V
		11001	49.78	-4.22	54	59.98	40.3	12.3	62.8	100	310	A	V
		16500	43.83	-30.17	74	49.2	38.8	15.23	59.4	100	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	61.91	-12.09	74	72.12	40.2	12.39	62.8	100	322	P	H
		11160	50.2	-3.8	54	60.41	40.2	12.39	62.8	100	322	A	H
		16740	47.66	-26.34	74	52.48	39.57	15.3	59.69	100	0	P	H
													H
		11162	59.36	-14.64	74	69.57	40.2	12.39	62.8	100	310	P	V
		11162	49.01	-4.99	54	59.22	40.2	12.39	62.8	100	310	A	V
		16742	47.94	-26.06	74	52.76	39.57	15.3	59.69	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	58.08	-15.92	74	68.29	40.06	12.53	62.8	100	353	P	H
		11400	49.24	-4.76	54	59.45	40.06	12.53	62.8	100	353	A	H
		17100	46.81	-27.19	74	50.71	40.68	15.48	60.06	100	0	P	H
													H
		11400	55.55	-18.45	74	65.76	40.06	12.53	62.8	100	317	P	V
		11400	46.01	-7.99	54	56.22	40.06	12.53	62.8	100	317	A	V
		17100	46.91	-27.09	74	50.81	40.68	15.48	60.06	100	0	P	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		5468.4	61.29	-12.71	74	53.21	32.36	8.29	32.57	100	320	P	H
		5470	51.85	-2.15	54	43.77	32.36	8.29	32.57	100	320	A	H
	*	5510	105.17	-	-	97.06	32.4	8.29	32.58	100	320	P	H
	*	5510	98.03	-	-	89.92	32.4	8.29	32.58	100	320	A	H
		5750.12	50.43	-23.57	74	42.23	32.54	8.33	32.67	100	320	P	H
		5759.24	41.21	-12.79	54	32.99	32.56	8.33	32.67	100	320	A	H
		5468.4	55.5	-18.5	74	47.42	32.36	8.29	32.57	122	74	P	V
		5470	47.72	-6.28	54	39.64	32.36	8.29	32.57	122	74	A	V
	*	5510	100.4	-	-	92.29	32.4	8.29	32.58	122	74	P	V
	*	5510	94.87	-	-	86.76	32.4	8.29	32.58	122	74	A	V
		5731.48	50.82	-23.18	74	42.63	32.53	8.33	32.67	122	74	P	V
		5755.56	40.8	-13.2	54	32.58	32.56	8.33	32.67	122	74	A	V
802.11n HT40 CH 110 5550MHz		5445.36	52.86	-21.14	74	44.82	32.32	8.29	32.57	111	326	P	H
		5447.28	45.65	-8.35	54	37.59	32.34	8.29	32.57	111	326	A	H
	*	5550	108.26	-	-	100.18	32.43	8.24	32.59	111	326	P	H
	*	5550	102.84	-	-	94.76	32.43	8.24	32.59	111	326	A	H
		5746.04	52.54	-21.46	74	44.34	32.54	8.33	32.67	111	326	P	H
		5754.2	42.16	-11.84	54	33.94	32.56	8.33	32.67	111	326	A	H
		5447.12	50.11	-23.89	74	42.05	32.34	8.29	32.57	100	69	P	V
		5447.12	42.71	-11.29	54	34.65	32.34	8.29	32.57	100	69	A	V
	*	5550	102.71	-	-	94.63	32.43	8.24	32.59	100	69	P	V
	*	5550	97.75	-	-	89.67	32.43	8.24	32.59	100	69	A	V
		5740.12	50.38	-23.62	74	42.18	32.54	8.33	32.67	100	69	P	V
		5754.68	41.38	-12.62	54	33.16	32.56	8.33	32.67	100	69	A	V



<b>802.11n</b> <b>HT40</b> <b>CH 134</b> <b>5670MHz</b>		5466	49.64	-24.36	74	41.56	32.36	8.29	32.57	100	326	P	H
		5469.2	40.46	-13.54	54	32.38	32.36	8.29	32.57	100	326	A	H
	*	5670	108.34	-	-	100.21	32.5	8.27	32.64	100	326	P	H
	*	5670	102.79	-	-	94.66	32.5	8.27	32.64	100	326	A	H
		5725.64	55.33	-18.67	74	47.13	32.53	8.33	32.66	100	326	P	H
		5725	44.01	-9.99	54	35.81	32.53	8.33	32.66	100	326	A	H
		5465.52	48.83	-25.17	74	40.75	32.36	8.29	32.57	115	62	P	V
		5469.36	40.04	-13.96	54	31.96	32.36	8.29	32.57	115	62	A	V
	*	5670	102.91	-	-	94.78	32.5	8.27	32.64	115	62	P	V
	*	5670	97.58	-	-	89.45	32.5	8.27	32.64	115	62	A	V
		5725.16	53.12	-20.88	74	44.92	32.53	8.33	32.66	115	62	P	V
		5725	41.96	-12.04	54	33.76	32.53	8.33	32.66	115	62	A	V
<b>Remark</b>	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		11019	53.65	-20.35	74	63.86	40.29	12.3	62.8	100	322	P	H
		11019	44.32	-9.68	54	54.53	40.29	12.3	62.8	100	322	A	H
		16530	42.5	-31.5	74	47.79	38.91	15.24	59.44	100	0	P	H
													H
		11028	55.69	-18.31	74	65.91	40.28	12.3	62.8	100	307	P	V
		11028	45.29	-8.71	54	55.51	40.28	12.3	62.8	100	307	A	V
		16530	42.81	-31.19	74	48.1	38.91	15.24	59.44	100	0	P	V
													V
802.11n HT40 CH 110 5550MHz		11100	56.61	-17.39	74	66.82	40.24	12.35	62.8	100	357	P	H
		11100	46.41	-7.59	54	56.62	40.24	12.35	62.8	100	357	A	H
		16650	45.01	-28.99	74	50.02	39.3	15.28	59.59	100	0	P	H
													H
		11100	57.65	-16.35	74	67.86	40.24	12.35	62.8	103	308	P	V
		11100	47.77	-6.23	54	57.98	40.24	12.35	62.8	103	308	A	V
		16650	44.22	-29.78	74	49.23	39.3	15.28	59.59	100	0	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	57.31	-16.69	74	67.52	40.1	12.49	62.8	100	357	P	H
		11340	47.47	-6.53	54	57.68	40.1	12.49	62.8	100	357	A	H
		17010	45.7	-28.3	74	49.87	40.45	15.39	60.01	100	0	P	H
													H
		11340	56.27	-17.73	74	66.48	40.1	12.49	62.8	100	309	P	V
		11340	46.42	-7.58	54	56.63	40.1	12.49	62.8	100	309	A	V
		17010	45.37	-28.63	74	49.54	40.45	15.39	60.01	100	0	P	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 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 LF		32.7	22.07	-17.93	40	35.85	18.38	0.65	32.81	-	-	P	H
		87.78	28.07	-11.93	40	50.64	8.96	1.14	32.67	-	-	P	H
		123.69	31.91	-11.59	43.5	51.48	11.94	1.14	32.65	111	259	P	H
		476.4	21.85	-24.15	46	34.68	17.77	2.3	32.9	-	-	P	H
		762	25.28	-20.72	46	33.56	21.73	2.91	32.92	-	-	P	H
		928.6	26.83	-19.17	46	31.7	23.83	3.29	31.99	-	-	P	H
													H
													H
													H
													H
													H
													H
		33.78	30.21	-9.79	40	44.53	17.84	0.65	32.81	163	98	P	V
		42.69	26.62	-13.38	40	45.94	12.82	0.65	32.79	-	-	P	V
		63.75	28.08	-11.92	40	53.55	6.34	0.93	32.74	-	-	P	V
		393.8	17.76	-28.24	46	32.11	16.35	2.13	32.83	-	-	P	V
		876.1	25.45	-20.55	46	31.88	22.86	3.16	32.45	-	-	P	V
		949.6	27.54	-18.46	46	31.71	24.3	3.29	31.76	-	-	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**

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>over limit</b> line.
P/A	<b>P</b> eak or <b>A</b> verage
H/V	<b>H</b> orizontal or <b>V</b> ertical



A calculation example for radiated spurious emission is shown as below:

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 )
802.11b CH 01		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
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”.**