



## Appendix B. Radiated Spurious Emission

Test Engineer :	Luke Chang, Ricky Su, and Nick Yu	Temperature :	20~24°C
		Relative Humidity :	50~54%

### 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		5136.5	51.32	-22.68	74	42.96	31.63	11.01	34.28	106	160	P	H
		5149.7	39.97	-14.03	54	31.58	31.65	11.01	34.27	106	160	A	H
	*	5180	101.91	-	-	93.41	31.68	11.08	34.26	106	160	P	H
	*	5180	91.89	-	-	83.39	31.68	11.08	34.26	106	160	A	H
													H
													H
		5149.4	51	-23	74	42.61	31.65	11.01	34.27	384	78	P	V
		5148.8	39.66	-14.34	54	31.27	31.65	11.01	34.27	384	78	A	V
	*	5180	100.93	-	-	92.43	31.68	11.08	34.26	384	78	P	V
	*	5180	91.05	-	-	82.55	31.68	11.08	34.26	384	78	A	V
													V
													V
802.11a CH 44 5220MHz		5116.7	49.68	-24.32	74	41.4	31.62	10.95	34.29	100	160	P	H
		5118.8	37.67	-16.33	54	29.39	31.62	10.95	34.29	100	160	A	H
	*	5220	101.54	-	-	92.91	31.72	11.16	34.25	100	160	P	H
	*	5220	91.29	-	-	82.66	31.72	11.16	34.25	100	160	A	H
		5427.55	50.59	-23.41	74	41.35	31.92	11.49	34.17	100	160	P	H
		5421.61	38.18	-15.82	54	28.94	31.92	11.49	34.17	100	160	A	H
		5033.75	49.98	-24.02	74	41.95	31.53	10.82	34.32	375	89	P	V
		5147.15	37.71	-16.29	54	29.32	31.65	11.01	34.27	375	89	A	V
	*	5220	99.76	-	-	91.13	31.72	11.16	34.25	375	89	P	V
	*	5220	89.47	-	-	80.84	31.72	11.16	34.25	375	89	A	V
		5387.73	50.42	-23.58	74	41.24	31.88	11.48	34.18	375	89	P	V
		5370.35	37.94	-16.06	54	28.78	31.87	11.48	34.19	375	89	A	V



<b>802.11a CH 48 5240MHz</b>		5068.25	50.58	-23.42	74	42.43	31.57	10.88	34.3	106	159	P	H
		5143.1	37.58	-16.42	54	29.19	31.65	11.01	34.27	106	159	A	H
	*	5240	101.55	-	-	92.9	31.73	11.16	34.24	106	159	P	H
	*	5240	91.13	-	-	82.48	31.73	11.16	34.24	106	159	A	H
		5360.34	51.17	-22.83	74	42.12	31.85	11.4	34.2	106	159	P	H
		5354.07	37.99	-16.01	54	28.94	31.85	11.4	34.2	106	159	A	H
		5100.05	50.06	-23.94	74	41.8	31.6	10.95	34.29	374	77	P	V
		5109.05	37.48	-16.52	54	29.2	31.62	10.95	34.29	374	77	A	V
	*	5240	98.99	-	-	90.34	31.73	11.16	34.24	374	77	P	V
	*	5240	89.03	-	-	80.38	31.73	11.16	34.24	374	77	A	V
		5372.55	50.83	-23.17	74	41.67	31.87	11.48	34.19	374	77	P	V
		5386.19	37.89	-16.11	54	28.71	31.88	11.48	34.18	374	77	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	45.78	-28.22	74	47.87	39.59	16.36	58.04	100	0	P	H
		15540	43.81	-30.19	74	43.53	38.26	20.78	58.76	100	0	P	H
													H
													H
		10360	46.68	-27.32	74	48.77	39.59	16.36	58.04	100	0	P	V
		15540	43.64	-30.36	74	43.36	38.26	20.78	58.76	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.9	-29.1	74	46.68	39.69	16.45	57.92	100	0	P	H
		15660	42.84	-31.16	74	42.46	38.11	20.88	58.61	100	0	P	H
													H
													H
		10440	45.2	-28.8	74	46.98	39.69	16.45	57.92	100	0	P	V
		15660	42.36	-31.64	74	41.98	38.11	20.88	58.61	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.06	-28.94	74	46.62	39.77	16.5	57.83	100	0	P	H
		15720	43.39	-30.61	74	42.95	38.03	20.94	58.53	100	0	P	H
													H
													H
		10480	47.02	-26.98	74	48.58	39.77	16.5	57.83	100	0	P	V
		15720	43.37	-30.63	74	42.93	38.03	20.94	58.53	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		5144.3	54.02	-19.98	74	45.63	31.65	11.01	34.27	100	122	P	H
		5148.5	40.28	-13.72	54	31.89	31.65	11.01	34.27	100	122	A	H
	*	5180	101.51	-	-	93.01	31.68	11.08	34.26	100	122	P	H
	*	5180	91.86	-	-	83.36	31.68	11.08	34.26	100	122	A	H
													H
													H
		5137.1	51	-23	74	42.64	31.63	11.01	34.28	357	69	P	V
		5150	39.05	-14.95	54	30.66	31.65	11.01	34.27	357	69	A	V
	*	5180	99.97	-	-	91.47	31.68	11.08	34.26	357	69	P	V
	*	5180	89.96	-	-	81.46	31.68	11.08	34.26	357	69	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5110.1	49.9	-24.1	74	41.62	31.62	10.95	34.29	105	159	P	H
		5148.05	38.12	-15.88	54	29.73	31.65	11.01	34.27	105	159	A	H
	*	5218	101.75	-	-	93.12	31.72	11.16	34.25	105	159	P	H
	*	5218	91.35	-	-	82.72	31.72	11.16	34.25	105	159	A	H
		5384.21	50.51	-23.49	74	41.33	31.88	11.48	34.18	105	159	P	H
		5412.92	38.26	-15.74	54	29.02	31.92	11.49	34.17	105	159	A	H
		5077.1	49.99	-24.01	74	41.83	31.58	10.88	34.3	376	92	P	V
		5116.25	37.77	-16.23	54	29.49	31.62	10.95	34.29	376	92	A	V
	*	5221	99.27	-	-	90.64	31.72	11.16	34.25	376	92	P	V
	*	5221	87.07	-	-	78.44	31.72	11.16	34.25	376	92	A	V
		5377.83	50.39	-23.61	74	41.21	31.88	11.48	34.18	376	92	P	V
		5367.38	38.17	-15.83	54	29.01	31.87	11.48	34.19	376	92	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 48</b> <b>5240MHz</b>		5082.8	50.07	-23.93	74	41.91	31.58	10.88	34.3	123	158	P	H
		5149.1	37.87	-16.13	54	29.48	31.65	11.01	34.27	123	158	A	H
	*	5238	101.42	-	-	92.77	31.73	11.16	34.24	123	158	P	H
	*	5238	89.21	-	-	80.56	31.73	11.16	34.24	123	158	A	H
		5371.67	50.54	-23.46	74	41.38	31.87	11.48	34.19	123	158	P	H
		5415.78	38.13	-15.87	54	28.89	31.92	11.49	34.17	123	158	A	H
		5084.15	49.58	-24.42	74	41.42	31.58	10.88	34.3	353	95	P	V
		5143.4	37.66	-16.34	54	29.27	31.65	11.01	34.27	353	95	A	V
	*	5238	98.5	-	-	89.85	31.73	11.16	34.24	353	95	P	V
	*	5238	86.35	-	-	77.7	31.73	11.16	34.24	353	95	A	V
		5365.95	50.18	-23.82	74	41.1	31.87	11.4	34.19	353	95	P	V
		5372.66	38.09	-15.91	54	28.93	31.87	11.48	34.19	353	95	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		10360	43.19	-30.81	74	45.28	39.59	16.36	58.04	100	0	P	H
		15540	42.91	-31.09	74	42.63	38.26	20.78	58.76	100	0	P	H
													H
													H
		10360	42.77	-31.23	74	44.86	39.59	16.36	58.04	100	0	P	V
		15540	41.89	-32.11	74	41.61	38.26	20.78	58.76	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	43.7	-30.3	74	45.48	39.69	16.45	57.92	100	0	P	H
		15660	42.05	-31.95	74	41.67	38.11	20.88	58.61	100	0	P	H
													H
													H
		10440	44.36	-29.64	74	46.14	39.69	16.45	57.92	100	0	P	V
		15660	42.06	-31.94	74	41.68	38.11	20.88	58.61	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	44.16	-29.84	74	45.72	39.77	16.5	57.83	100	0	P	H
		15720	41.65	-32.35	74	41.21	38.03	20.94	58.53	100	0	P	H
													H
													H
		10480	42.85	-31.15	74	44.41	39.77	16.5	57.83	100	0	P	V
		15720	42.42	-31.58	74	41.98	38.03	20.94	58.53	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		5134.85	57.8	-16.2	74	49.44	31.63	11.01	34.28	136	122	P	H
		5148.8	42.23	-11.77	54	33.84	31.65	11.01	34.27	136	122	A	H
	*	5188	99.78	-	-	91.28	31.68	11.08	34.26	136	122	P	H
	*	5188	89.8	-	-	81.3	31.68	11.08	34.26	136	122	A	H
		5362.1	50.33	-23.67	74	41.25	31.87	11.4	34.19	136	122	P	H
		5427.88	38.82	-15.18	54	29.58	31.92	11.49	34.17	136	122	A	H
		5138.75	53.39	-20.61	74	45.03	31.63	11.01	34.28	380	91	P	V
		5148.2	39.96	-14.04	54	31.57	31.65	11.01	34.27	380	91	A	V
	*	5192	97.7	-	-	89.17	31.7	11.08	34.25	380	91	P	V
	*	5192	87.46	-	-	78.93	31.7	11.08	34.25	380	91	A	V
		5393.23	50.4	-23.6	74	41.22	31.88	11.48	34.18	380	91	P	V
		5378.71	38.77	-15.23	54	29.59	31.88	11.48	34.18	380	91	A	V
802.11n HT40 CH 46 5230MHz		5112.8	53.44	-20.56	74	45.16	31.62	10.95	34.29	119	124	P	H
		5148.05	38.76	-15.24	54	30.37	31.65	11.01	34.27	119	124	A	H
	*	5232	98.04	-	-	89.39	31.73	11.16	34.24	119	124	P	H
	*	5232	88.57	-	-	79.92	31.73	11.16	34.24	119	124	A	H
		5426.34	52.25	-21.75	74	43.01	31.92	11.49	34.17	119	124	P	H
		5365.4	38.98	-15.02	54	29.9	31.87	11.4	34.19	119	124	A	H
		5109.5	50.52	-23.48	74	42.24	31.62	10.95	34.29	360	93	P	V
		5148.2	38.59	-15.41	54	30.2	31.65	11.01	34.27	360	93	A	V
	*	5228	96.42	-	-	87.77	31.73	11.16	34.24	360	93	P	V
	*	5228	86.67	-	-	78.02	31.73	11.16	34.24	360	93	A	V
		5360.34	50.11	-23.89	74	41.06	31.85	11.4	34.2	360	93	P	V
		5400.16	38.79	-15.21	54	29.59	31.9	11.48	34.18	360	93	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	42.72	-31.28	74	44.72	39.61	16.4	58.01	100	0	P	H
		15570	42.36	-31.64	74	42.04	38.22	20.82	58.72	100	0	P	H
													H
													H
		10380	43.15	-30.85	74	45.15	39.61	16.4	58.01	100	0	P	V
		15570	41.25	-32.75	74	40.93	38.22	20.82	58.72	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	41.88	-32.12	74	43.55	39.72	16.5	57.89	100	0	P	H
		15690	41.03	-32.97	74	40.62	38.07	20.91	58.57	100	0	P	H
													H
													H
		10460	42.14	-31.86	74	43.81	39.72	16.5	57.89	100	0	P	V
		15690	41.2	-32.8	74	40.79	38.07	20.91	58.57	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 802.11ac VHT80 (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 )
802.11ac VHT80 CH 42 5210MHz		5121.95	54.56	-19.44	74	46.28	31.62	10.95	34.29	100	154	P	H
		5139.8	42.72	-11.28	54	34.33	31.65	11.01	34.27	100	154	A	H
	*	5210	94.08	-	-	85.45	31.72	11.16	34.25	100	154	P	H
	*	5210	84.15	-	-	75.52	31.72	11.16	34.25	100	154	A	H
		5354.18	51.23	-22.77	74	42.18	31.85	11.4	34.2	100	154	P	H
		5353.41	39.3	-14.7	54	30.25	31.85	11.4	34.2	100	154	A	H
		5083.55	51.37	-22.63	74	43.21	31.58	10.88	34.3	369	102	P	V
		5132.45	40.06	-13.94	54	31.7	31.63	11.01	34.28	369	102	A	V
	*	5210	91.89	-	-	83.26	31.72	11.16	34.25	369	102	P	V
	*	5210	81.64	-	-	73.01	31.72	11.16	34.25	369	102	A	V
		5373.87	50.6	-23.4	74	41.44	31.87	11.48	34.19	369	102	P	V
		5358.47	38.91	-15.09	54	29.86	31.85	11.4	34.2	369	102	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz****WIFI 802.11ac VHT80 (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)
<b>802.11ac VHT80 CH 42 5210MHz</b>		10420	46.42	-27.58	74	48.25	39.67	16.45	57.95	100	0	P	H
		15630	45.32	-28.68	74	44.97	38.13	20.85	58.63	100	0	P	H
													H
													H
		10420	46.57	-27.43	74	48.4	39.67	16.45	57.95	100	0	P	V
		15630	45.21	-28.79	74	44.86	38.13	20.85	58.63	100	0	P	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 (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		5128.25	49.68	-24.32	74	41.32	31.63	11.01	34.28	100	159	P	H
		5114.9	37.52	-16.48	54	29.24	31.62	10.95	34.29	100	159	A	H
	*	5260	101.22	-	-	92.44	31.77	11.24	34.23	100	159	P	H
	*	5260	91.04	-	-	82.26	31.77	11.24	34.23	100	159	A	H
		5365.73	50.67	-23.33	74	41.59	31.87	11.4	34.19	100	159	P	H
		5383.77	37.94	-16.06	54	28.76	31.88	11.48	34.18	100	159	A	H
		5097.2	49.85	-24.15	74	41.59	31.6	10.95	34.29	390	78	P	V
		5139.95	37.56	-16.44	54	29.17	31.65	11.01	34.27	390	78	A	V
	*	5260	98.98	-	-	90.2	31.77	11.24	34.23	390	78	P	V
	*	5260	88.78	-	-	80	31.77	11.24	34.23	390	78	A	V
		5457.14	50.57	-23.43	74	41.28	31.95	11.5	34.16	390	78	P	V
		5366.94	38	-16	54	28.84	31.87	11.48	34.19	390	78	A	V
802.11a CH 60 5300MHz		5102.75	50.37	-23.63	74	42.11	31.6	10.95	34.29	111	159	P	H
		5118.05	37.44	-16.56	54	29.16	31.62	10.95	34.29	111	159	A	H
	*	5300	101.27	-	-	92.37	31.8	11.32	34.22	111	159	P	H
	*	5300	91.24	-	-	82.34	31.8	11.32	34.22	111	159	A	H
		5375.19	50.33	-23.67	74	41.17	31.87	11.48	34.19	111	159	P	H
		5350.77	38.67	-15.33	54	29.62	31.85	11.4	34.2	111	159	A	H
		5104.25	49.71	-24.29	74	41.45	31.6	10.95	34.29	383	78	P	V
		5108.15	37.42	-16.58	54	29.14	31.62	10.95	34.29	383	78	A	V
	*	5300	99.52	-	-	90.62	31.8	11.32	34.22	383	78	P	V
	*	5300	89.65	-	-	80.75	31.8	11.32	34.22	383	78	A	V
		5365.84	50.69	-23.31	74	41.61	31.87	11.4	34.19	383	78	P	V
		5351.32	38.21	-15.79	54	29.16	31.85	11.4	34.2	383	78	A	V



<b>802.11a</b> <b>CH 64</b> <b>5320MHz</b>	*	5320	101.17	-	-	92.24	31.82	11.32	34.21	100	87	P	H
	*	5320	91.05	-	-	82.12	31.82	11.32	34.21	100	87	A	H
		5360.45	51.22	-22.78	74	42.17	31.85	11.4	34.2	100	87	P	H
		5350.66	39.33	-14.67	54	30.28	31.85	11.4	34.2	100	87	A	H
													H
													H
	*	5320	99.02	-	-	90.09	31.82	11.32	34.21	384	80	P	V
	*	5320	89.46	-	-	80.53	31.82	11.32	34.21	384	80	A	V
		5364.85	51.42	-22.58	74	42.34	31.87	11.4	34.19	384	80	P	V
		5352.09	38.76	-15.24	54	29.71	31.85	11.4	34.2	384	80	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		10520	43.21	-30.79	74	44.63	39.82	16.55	57.79	100	0	P	H
		15780	41.79	-32.21	74	41.31	37.97	20.98	58.47	100	0	P	H
													H
													H
		10520	42.85	-31.15	74	44.27	39.82	16.55	57.79	100	0	P	V
		15780	42.69	-31.31	74	42.21	37.97	20.98	58.47	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	39.89	-34.11	74	41.09	39.92	16.64	57.76	100	0	P	H
		15900	42.34	-31.66	74	41.77	37.82	21.07	58.32	100	0	P	H
													H
													H
		10600	39.92	-34.08	74	41.12	39.92	16.64	57.76	100	0	P	V
		15960	41.39	-32.61	74	40.75	37.74	21.14	58.24	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	40.15	-33.85	74	41.23	39.97	16.69	57.74	100	0	P	H
		15960	41.42	-32.58	74	40.78	37.74	21.14	58.24	100	0	P	H
													H
													H
		10640	40.71	-33.29	74	41.79	39.97	16.69	57.74	100	0	P	V
		15960	41.84	-32.16	74	41.2	37.74	21.14	58.24	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		5124.2	49.69	-24.31	74	41.39	31.63	10.95	34.28	133	117	P	H
		5120.6	37.79	-16.21	54	29.51	31.62	10.95	34.29	133	117	A	H
	*	5262	101.15	-	-	92.37	31.77	11.24	34.23	133	117	P	H
	*	5262	89.33	-	-	80.55	31.77	11.24	34.23	133	117	A	H
		5363.53	50.88	-23.12	74	41.8	31.87	11.4	34.19	133	117	P	H
		5372.88	38.16	-15.84	54	29	31.87	11.48	34.19	133	117	A	H
		5145.5	49.74	-24.26	74	41.35	31.65	11.01	34.27	369	98	P	V
		5117.45	37.56	-16.44	54	29.28	31.62	10.95	34.29	369	98	A	V
	*	5262	98.53	-	-	89.75	31.77	11.24	34.23	369	98	P	V
	*	5262	86.59	-	-	77.81	31.77	11.24	34.23	369	98	A	V
		5432.94	50.56	-23.44	74	41.31	31.93	11.49	34.17	369	98	P	V
		5369.58	38.06	-15.94	54	28.9	31.87	11.48	34.19	369	98	A	V
802.11n HT20 CH 60 5300MHz		5137.25	50.18	-23.82	74	41.82	31.63	11.01	34.28	122	116	P	H
		5117	37.84	-16.16	54	29.56	31.62	10.95	34.29	122	116	A	H
	*	5302	101.82	-	-	92.92	31.8	11.32	34.22	122	116	P	H
	*	5302	89.92	-	-	81.02	31.8	11.32	34.22	122	116	A	H
		5375.96	51.02	-22.98	74	41.86	31.87	11.48	34.19	122	116	P	H
		5350	38.8	-15.2	54	29.75	31.85	11.4	34.2	122	116	A	H
		5117.45	49.71	-24.29	74	41.43	31.62	10.95	34.29	365	85	P	V
		5121.05	37.48	-16.52	54	29.2	31.62	10.95	34.29	365	85	A	V
	*	5302	99.05	-	-	90.15	31.8	11.32	34.22	365	85	P	V
		5404.01	50.59	-23.41	74	41.39	31.9	11.48	34.18	365	85	P	V
		5356.38	38.32	-15.68	54	29.27	31.85	11.4	34.2	365	85	A	V
													V



<b>802.11n</b>  <b>HT20</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5318	102.46	-	-	93.53	31.82	11.32	34.21	129	117	P	H
	*	5318	90.11	-	-	81.18	31.82	11.32	34.21	129	117	A	H
		5355.28	52.27	-21.73	74	43.22	31.85	11.4	34.2	129	117	P	H
		5350.44	40.25	-13.75	54	31.2	31.85	11.4	34.2	129	117	A	H
													H
													H
	*	5318	98.43	-	-	89.5	31.82	11.32	34.21	383	97	P	V
	*	5318	86.61	-	-	77.68	31.82	11.32	34.21	383	97	A	V
		5355.61	52.47	-21.53	74	43.42	31.85	11.4	34.2	383	97	P	V
		5353.41	38.98	-15.02	54	29.93	31.85	11.4	34.2	383	97	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		10520	42.28	-31.72	74	43.7	39.82	16.55	57.79	100	0	P	H
		15780	42.04	-31.96	74	41.56	37.97	20.98	58.47	100	0	P	H
													H
													H
		10520	43.91	-30.09	74	45.33	39.82	16.55	57.79	100	0	P	V
		15780	42.13	-31.87	74	41.65	37.97	20.98	58.47	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	39.76	-34.24	74	40.96	39.92	16.64	57.76	100	0	P	H
		15900	42.18	-31.82	74	41.61	37.82	21.07	58.32	100	0	P	H
													H
													H
		10600	40.31	-33.69	74	41.51	39.92	16.64	57.76	100	0	P	V
		15900	42.02	-31.98	74	41.45	37.82	21.07	58.32	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	40.49	-33.51	74	41.57	39.97	16.69	57.74	100	0	P	H
		15960	41.26	-32.74	74	40.62	37.74	21.14	58.24	100	0	P	H
													H
													H
		10640	40.52	-33.48	74	41.6	39.97	16.69	57.74	100	0	P	V
		15960	41.36	-32.64	74	40.72	37.74	21.14	58.24	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		5096.75	51.97	-22.03	74	43.71	31.6	10.95	34.29	128	116	P	H
		5141.15	38.57	-15.43	54	30.18	31.65	11.01	34.27	128	116	A	H
	*	5268	98.81	-	-	90.03	31.77	11.24	34.23	128	116	P	H
	*	5268	88.91	-	-	80.13	31.77	11.24	34.23	128	116	A	H
		5352.75	51.65	-22.35	74	42.6	31.85	11.4	34.2	128	116	P	H
		5350.11	39.16	-14.84	54	30.11	31.85	11.4	34.2	128	116	A	H
		5137.1	50.48	-23.52	74	42.12	31.63	11.01	34.28	370	93	P	V
		5103.95	38.49	-15.51	54	30.23	31.6	10.95	34.29	370	93	A	V
	*	5272	96.96	-	-	88.18	31.77	11.24	34.23	370	93	P	V
	*	5272	86.45	-	-	77.67	31.77	11.24	34.23	370	93	A	V
		5364.3	52.33	-21.67	74	43.25	31.87	11.4	34.19	370	93	P	V
		5386.19	39.16	-14.84	54	29.98	31.88	11.48	34.18	370	93	A	V
802.11n HT40 CH 62 5310MHz		5081	50.38	-23.62	74	42.22	31.58	10.88	34.3	118	116	P	H
		5139.65	38.28	-15.72	54	29.89	31.65	11.01	34.27	118	116	A	H
	*	5312	99.78	-	-	90.85	31.82	11.32	34.21	118	116	P	H
	*	5312	89.93	-	-	81	31.82	11.32	34.21	118	116	A	H
		5354.95	58.84	-15.16	74	49.79	31.85	11.4	34.2	118	116	P	H
		5351.21	42	-12	54	32.95	31.85	11.4	34.2	118	116	A	H
		5132.75	50.21	-23.79	74	41.85	31.63	11.01	34.28	365	80	P	V
		5139.05	38.25	-15.75	54	29.89	31.63	11.01	34.28	365	80	A	V
	*	5308	97.08	-	-	88.18	31.8	11.32	34.22	365	80	P	V
	*	5308	87.41	-	-	78.51	31.8	11.32	34.22	365	80	A	V
		5365.4	55.9	-18.1	74	46.82	31.87	11.4	34.19	365	80	P	V
		5350.44	40.77	-13.23	54	31.72	31.85	11.4	34.2	365	80	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		10540	40.98	-33.02	74	42.34	39.84	16.59	57.79	100	0	P	H
		15810	41.92	-32.08	74	41.41	37.93	21.01	58.43	100	0	P	H
													H
													H
		10540	40.68	-33.32	74	42.04	39.84	16.59	57.79	100	0	P	V
		15810	41.77	-32.23	74	41.26	37.93	21.01	58.43	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	38.83	-35.17	74	39.95	39.94	16.69	57.75	100	0	P	H
		15930	42.03	-31.97	74	41.42	37.78	21.11	58.28	100	0	P	H
													H
													H
		10620	38.69	-35.31	74	39.81	39.94	16.69	57.75	100	0	P	V
		15930	43.34	-30.66	74	42.73	37.78	21.11	58.28	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 802.11ac VHT80 (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>802.11ac VHT80 CH 58 5290MHz</b>		5140.1	51.72	-22.28	74	43.33	31.65	11.01	34.27	100	153	P	H
		5148.5	40.15	-13.85	54	31.76	31.65	11.01	34.27	100	153	A	H
	*	5290	92.51	-	-	83.63	31.78	11.32	34.22	100	153	P	H
	*	5290	82.88	-	-	74	31.78	11.32	34.22	100	153	A	H
		5353.52	52.05	-21.95	74	43	31.85	11.4	34.2	100	153	P	H
		5355.39	40.67	-13.33	54	31.62	31.85	11.4	34.2	100	153	A	H
		5145.5	50.68	-23.32	74	42.29	31.65	11.01	34.27	360	104	P	V
		5142.95	39.02	-14.98	54	30.63	31.65	11.01	34.27	360	104	A	V
	*	5290	90.92	-	-	82.04	31.78	11.32	34.22	360	104	P	V
	*	5290	80.59	-	-	71.71	31.78	11.32	34.22	360	104	A	V
		5385.75	51.44	-22.56	74	42.26	31.88	11.48	34.18	360	104	P	V
		5375.19	40.12	-13.88	54	30.96	31.87	11.48	34.19	360	104	A	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 802.11ac VHT80 (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)
<b>802.11ac VHT80 CH 58 5290MHz</b>		10580	46.86	-27.14	74	48.09	39.9	16.64	57.77	100	0	P	H
		15870	46.21	-27.79	74	45.67	37.84	21.04	58.34	100	0	P	H
													H
													H
		10580	46.42	-27.58	74	47.65	39.9	16.64	57.77	100	0	P	V
		15870	45.88	-28.12	74	45.34	37.84	21.04	58.34	100	0	P	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 (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		5466.8	50.82	-23.18	74	41.5	31.97	11.5	34.15	123	222	P	H
		5468.4	38.3	-15.7	54	28.98	31.97	11.5	34.15	123	222	A	H
	*	5500	99.58	-	-	90.22	32	11.5	34.14	123	222	P	H
	*	5500	90.38	-	-	81.02	32	11.5	34.14	123	222	A	H
													H
													H
		5468.88	50.88	-23.12	74	41.56	31.97	11.5	34.15	380	90	P	V
		5469.52	38.49	-15.51	54	29.17	31.97	11.5	34.15	380	90	A	V
	*	5500	99.33	-	-	89.97	32	11.5	34.14	380	90	P	V
	*	5500	90.34	-	-	80.98	32	11.5	34.14	380	90	A	V
													V
													V
802.11a CH 116 5580MHz		5372.4	50.01	-23.99	74	40.85	31.87	11.48	34.19	100	124	P	H
		5385.68	37.55	-16.45	54	28.37	31.88	11.48	34.18	100	124	A	H
	*	5580	100.13	-	-	90.66	32.1	11.52	34.15	100	124	P	H
	*	5580	90.18	-	-	80.71	32.1	11.52	34.15	100	124	A	H
		5727	50.36	-23.64	74	40.57	32.31	11.64	34.16	100	124	P	H
		5738.04	38.11	-15.89	54	28.29	32.34	11.64	34.16	100	124	A	H
		5383.92	50.2	-23.8	74	41.02	31.88	11.48	34.18	330	94	P	V
		5367.6	37.66	-16.34	54	28.5	31.87	11.48	34.19	330	94	A	V
	*	5580	100.65	-	-	91.18	32.1	11.52	34.15	330	94	P	V
	*	5580	88.47	-	-	79	32.1	11.52	34.15	330	94	A	V
		5747.64	50.48	-23.52	74	40.66	32.34	11.64	34.16	330	94	P	V
		5736.28	38.43	-15.57	54	28.61	32.34	11.64	34.16	330	94	A	V



<b>802.11a CH 140 5700MHz</b>	*	5700	101.28	-	-	91.56	32.27	11.61	34.16	121	113	P	H
	*	5700	91.49	-	-	81.77	32.27	11.61	34.16	121	113	A	H
		5730.6	51.79	-22.21	74	42	32.31	11.64	34.16	121	113	P	H
		5725.64	39.74	-14.26	54	29.98	32.31	11.61	34.16	121	113	A	H
													H
													H
	*	5700	100.24	-	-	90.52	32.27	11.61	34.16	371	91	P	V
	*	5700	90.07	-	-	80.35	32.27	11.61	34.16	371	91	A	V
		5729.56	50.87	-23.13	74	41.08	32.31	11.64	34.16	371	91	P	V
		5726.84	39.31	-14.69	54	29.52	32.31	11.64	34.16	371	91	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	44.15	-29.85	74	44.24	40.4	17.11	57.6	100	0	P	H
		16500	44.5	-29.5	74	40.78	39.3	21.02	56.6	100	0	P	H
													H
													H
		11000	43.79	-30.21	74	43.88	40.4	17.11	57.6	100	0	P	V
		16500	45.29	-28.71	74	41.57	39.3	21.02	56.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	39.68	-34.32	74	39.88	40.3	17.3	57.8	100	0	P	H
		16740	43.92	-30.08	74	39.64	40.07	20.95	56.74	100	0	P	H
													H
													H
		11160	40.33	-33.67	74	40.53	40.3	17.3	57.8	100	0	P	V
		16740	44.38	-29.62	74	40.1	40.07	20.95	56.74	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	41.02	-32.98	74	41.35	40.16	17.59	58.08	100	0	P	H
		17100	46.46	-27.54	74	41.64	41.22	20.84	57.24	100	0	P	H
													H
													H
		11400	42.78	-31.22	74	43.11	40.16	17.59	58.08	100	0	P	V
		17100	47.21	-26.79	74	42.39	41.22	20.84	57.24	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		5459.92	51.08	-22.92	74	41.79	31.95	11.5	34.16	132	116	P	H
		5468.88	40.17	-13.83	54	30.85	31.97	11.5	34.15	132	116	A	H
	*	5498	102.14	-	-	92.78	32	11.5	34.14	132	116	P	H
	*	5498	92.08	-	-	82.72	32	11.5	34.14	132	116	A	H
													H
													H
		5458.32	51.12	-22.88	74	41.83	31.95	11.5	34.16	379	87	P	V
		5467.6	39.08	-14.92	54	29.76	31.97	11.5	34.15	379	87	A	V
	*	5498	99.23	-	-	89.87	32	11.5	34.14	379	87	P	V
	*	5498	89.08	-	-	79.72	32	11.5	34.14	379	87	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5360.56	51.65	-22.35	74	42.57	31.87	11.4	34.19	138	111	P	H
		5367.28	38.21	-15.79	54	29.05	31.87	11.48	34.19	138	111	A	H
	*	5579	102.06	-	-	92.59	32.1	11.52	34.15	138	111	P	H
	*	5579	92.26	-	-	82.79	32.1	11.52	34.15	138	111	A	H
		5745.64	50.58	-23.42	74	40.76	32.34	11.64	34.16	138	111	P	H
		5741.8	38.58	-15.42	54	28.76	32.34	11.64	34.16	138	111	A	H
		5424.56	50.52	-23.48	74	41.28	31.92	11.49	34.17	347	91	P	V
		5445.52	38.18	-15.82	54	28.9	31.95	11.49	34.16	347	91	A	V
	*	5582	99.96	-	-	90.47	32.12	11.52	34.15	347	91	P	V
	*	5582	90.02	-	-	80.53	32.12	11.52	34.15	347	91	A	V
		5726.04	50.83	-23.17	74	41.04	32.31	11.64	34.16	347	91	P	V
		5752.52	38.54	-15.46	54	28.71	32.36	11.64	34.17	347	91	A	V





<b>802.11n</b>  <b>HT20</b>  <b>CH 140</b>  <b>5700MHz</b>	*	5698	101.55	-	-	91.83	32.27	11.61	34.16	125	114	P	H
	*	5698	91.5	-	-	81.78	32.27	11.61	34.16	125	114	A	H
		5729.24	51.56	-22.44	74	41.77	32.31	11.64	34.16	125	114	P	H
		5727.48	39.93	-14.07	54	30.14	32.31	11.64	34.16	125	114	A	H
													H
													H
	*	5698	99.37	-	-	89.65	32.27	11.61	34.16	335	97	P	V
	*	5698	89.67	-	-	79.95	32.27	11.61	34.16	335	97	A	V
		5725.4	51.2	-22.8	74	41.44	32.31	11.61	34.16	335	97	P	V
		5727.24	39.35	-14.65	54	29.56	32.31	11.64	34.16	335	97	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		11000	43.81	-30.19	74	43.9	40.4	17.11	57.6	100	0	P	H
		16500	45.74	-28.26	74	42.02	39.3	21.02	56.6	100	0	P	H
													H
													H
		11000	44.05	-29.95	74	44.14	40.4	17.11	57.6	100	0	P	V
		16500	45.48	-28.52	74	41.76	39.3	21.02	56.6	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	40	-34	74	40.2	40.3	17.3	57.8	100	0	P	H
		16740	43.84	-30.16	74	39.56	40.07	20.95	56.74	100	0	P	H
													H
													H
		11160	40.44	-33.56	74	40.64	40.3	17.3	57.8	100	0	P	V
		16740	43.93	-30.07	74	39.65	40.07	20.95	56.74	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	40.72	-33.28	74	41.05	40.16	17.59	58.08	100	0	P	H
		17100	45.67	-28.33	74	40.85	41.22	20.84	57.24	100	0	P	H
													H
													H
		11400	40.58	-33.42	74	40.91	40.16	17.59	58.08	100	0	P	V
		17100	46.21	-27.79	74	41.39	41.22	20.84	57.24	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		5466.16	56.14	-17.86	74	46.82	31.97	11.5	34.15	121	117	P	H
		5469.68	42.01	-11.99	54	32.69	31.97	11.5	34.15	121	117	A	H
	*	5510	98.19	-	-	88.83	32	11.5	34.14	121	117	P	H
	*	5510	87.97	-	-	78.61	32	11.5	34.14	121	117	A	H
		5736.12	50.53	-23.47	74	40.71	32.34	11.64	34.16	121	117	P	H
		5732.28	39.05	-14.95	54	29.26	32.31	11.64	34.16	121	117	A	H
		5468.4	52.68	-21.32	74	43.36	31.97	11.5	34.15	390	91	P	V
		5469.84	40.57	-13.43	54	31.25	31.97	11.5	34.15	390	91	A	V
	*	5510	96.99	-	-	87.63	32	11.5	34.14	390	91	P	V
	*	5510	87.08	-	-	77.72	32	11.5	34.14	390	91	A	V
		5725.64	50.38	-23.62	74	40.62	32.31	11.61	34.16	390	91	P	V
		5731.64	38.94	-15.06	54	29.15	32.31	11.64	34.16	390	91	A	V
802.11n HT40 CH 110 5550MHz		5458.48	52.06	-21.94	74	42.77	31.95	11.5	34.16	126	117	P	H
		5416.4	38.78	-15.22	54	29.54	31.92	11.49	34.17	126	117	A	H
	*	5550	97.43	-	-	88	32.07	11.51	34.15	126	117	P	H
	*	5550	88.07	-	-	78.64	32.07	11.51	34.15	126	117	A	H
		5725.72	50.84	-23.16	74	41.08	32.31	11.61	34.16	126	117	P	H
		5744.76	38.93	-15.07	54	29.11	32.34	11.64	34.16	126	117	A	H
		5459.76	51.1	-22.9	74	41.81	31.95	11.5	34.16	366	75	P	V
		5442.64	38.69	-15.31	54	29.44	31.93	11.49	34.17	366	75	A	V
	*	5550	97.6	-	-	88.17	32.07	11.51	34.15	366	75	P	V
	*	5550	87.3	-	-	77.87	32.07	11.51	34.15	366	75	A	V
		5750.36	50.94	-23.06	74	41.12	32.34	11.64	34.16	366	75	P	V
		5733.48	39.05	-14.95	54	29.26	32.31	11.64	34.16	366	75	A	V



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5370	50.35	-23.65	74	41.19	31.87	11.48	34.19	107	132	P	H
		5366.32	39.01	-14.99	54	29.85	31.87	11.48	34.19	107	132	A	H
	*	5670	96.75	-	-	87.09	32.24	11.58	34.16	107	132	P	H
	*	5670	87.49	-	-	77.83	32.24	11.58	34.16	107	132	A	H
		5735.08	51.5	-22.5	74	41.68	32.34	11.64	34.16	107	132	P	H
		5729.48	39.52	-14.48	54	29.73	32.31	11.64	34.16	107	132	A	H
		5441.68	50.37	-23.63	74	41.12	31.93	11.49	34.17	387	97	P	V
		5433.36	38.55	-15.45	54	29.3	31.93	11.49	34.17	387	97	A	V
	*	5670	96.55	-	-	86.89	32.24	11.58	34.16	387	97	P	V
	*	5670	87.09	-	-	77.43	32.24	11.58	34.16	387	97	A	V
		5733.32	50.62	-23.38	74	40.83	32.31	11.64	34.16	387	97	P	V
		5726.28	39.35	-14.65	54	29.56	32.31	11.64	34.16	387	97	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		11020	38.71	-35.29	74	38.78	40.39	17.16	57.62	100	0	P	H
		16530	45.92	-28.08	74	42.12	39.41	21.01	56.62	100	0	P	H
													H
													H
		11020	38.29	-35.71	74	38.36	40.39	17.16	57.62	100	0	P	V
		16530	44.7	-29.3	74	40.9	39.41	21.01	56.62	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	46.38	-27.62	74	46.5	40.34	17.26	57.72	100	0	P	H
		16500	48.69	-25.31	74	44.97	39.3	21.02	56.6	100	0	P	H
													H
													H
		11100	47.71	-26.29	74	47.83	40.34	17.26	57.72	100	0	P	V
		16500	49.52	-24.48	74	45.8	39.3	21.02	56.6	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	47.26	-26.74	74	47.52	40.2	17.54	58	100	0	P	H
		17010	49.32	-24.68	74	44.47	40.95	20.86	56.96	100	0	P	H
													H
													H
		11340	48.23	-25.77	74	48.49	40.2	17.54	58	100	0	P	V
		17010	51.33	-22.67	74	46.48	40.95	20.86	56.96	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 802.11ac VHT80 (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>802.11ac VHT80 CH 106 5530MHz</b>		5461.52	51.92	-22.08	74	42.63	31.95	11.5	34.16	100	121	P	H
		5432.88	40.73	-13.27	54	31.48	31.93	11.49	34.17	100	121	A	H
	*	5530	92.6	-	-	83.21	32.02	11.51	34.14	100	121	P	H
	*	5530	82.23	-	-	72.84	32.02	11.51	34.14	100	121	A	H
		5734.28	51.3	-22.7	74	41.51	32.31	11.64	34.16	100	121	P	H
		5745.16	39.01	-14.99	54	29.19	32.34	11.64	34.16	100	121	A	H
		5369.84	51.29	-22.71	74	42.13	31.87	11.48	34.19	350	77	P	V
		5462.48	40.05	-13.95	54	30.76	31.95	11.5	34.16	350	77	A	V
	*	5530	92.64	-	-	83.25	32.02	11.51	34.14	350	77	P	V
	*	5530	81.95	-	-	72.56	32.02	11.51	34.14	350	77	A	V
		5744.28	50.95	-23.05	74	41.13	32.34	11.64	34.16	350	77	P	V
		5727.96	38.88	-15.12	54	29.09	32.31	11.64	34.16	350	77	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 802.11ac VHT80 (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)
<b>802.11ac VHT80 CH 106 5530MHz</b>		11060	45.77	-28.23	74	45.88	40.36	17.21	57.68	100	0	P	H
		16590	47.75	-26.25	74	43.82	39.58	21	56.65	100	0	P	H
													H
													H
		11060	46.67	-27.33	74	46.78	40.36	17.21	57.68	100	0	P	V
		16590	48.19	-25.81	74	44.26	39.58	21	56.65	100	0	P	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



## Emission below 1GHz

## WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT40 LF		55.38	25.73	-14.27	40	48.16	6.64	1.39	30.46			P	H
		120.99	30.33	-13.17	43.5	47.54	11.54	1.64	30.39	125	30	P	H
		210.63	29.29	-14.21	43.5	48.19	9.17	2.21	30.28			P	H
		496	24.94	-21.06	46	33.65	17.8	3.31	29.82			P	H
		708.1	24.79	-21.21	46	29.72	20.69	3.88	29.5			P	H
		842.5	27.75	-18.25	46	30.04	22.81	4.24	29.34			P	H
													H
													H
													H
													H
													H
													H
		78.33	36.94	-3.06	40	58.66	7.33	1.39	30.44			P	V
		122.07	36.73	-6.77	43.5	53.93	11.55	1.64	30.39			P	V
		199.56	41.26	-2.24	43.5	60.36	9.11	2.09	30.3	100	71	P	V
		320.3	33.89	-12.11	46	48.04	13.42	2.56	30.13			P	V
		374.2	26.05	-19.95	46	38.21	14.96	2.94	30.06			P	V
		484.1	29.02	-16.98	46	38.08	17.66	3.12	29.84			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>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>

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”.**