



## Appendix B. Radiated Spurious Emission

Test Engineer :	Citta Ke, Kyle Jhuang, Karl Hou, and Nick Yu	Temperature :	21~22°C
		Relative Humidity :	49~50%

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		5081.3	53.5	-20.5	74	43.04	32.72	10.05	32.31	338	182	P	H	
		5135.3	42.73	-11.27	54	32.07	32.73	10.22	32.29	338	182	A	H	
	*	5178	84.46	-	-	73.7	32.74	10.3	32.28	338	182	P	H	
	*	5178	74.82	-	-	64.06	32.74	10.3	32.28	338	182	A	H	
													H	
													H	
			5146.7	53.3	-20.7	74	42.64	32.73	10.22	32.29	324	234	P	V
			5128.25	42.77	-11.23	54	32.11	32.73	10.22	32.29	324	234	A	V
	*		5182	94.39	-	-	83.63	32.74	10.3	32.28	324	234	P	V
	*		5182	83.95	-	-	73.19	32.74	10.3	32.28	324	234	A	V
													V	
													V	
802.11a CH 44 5220MHz		5147.6	52.54	-21.46	74	41.88	32.73	10.22	32.29	103	299	P	H	
		5144.45	42.76	-11.24	54	32.1	32.73	10.22	32.29	103	299	A	H	
	*	5222	85.98	-	-	75.19	32.74	10.32	32.27	103	299	P	H	
	*	5222	75.65	-	-	64.86	32.74	10.32	32.27	103	299	A	H	
			5434.15	52.68	-21.32	74	41.67	32.79	10.43	32.21	103	299	P	H
			5453.62	43.09	-10.91	54	32.06	32.79	10.44	32.2	103	299	A	H
			5134.55	53.36	-20.64	74	42.7	32.73	10.22	32.29	331	237	P	V
			5145.05	42.74	-11.26	54	32.08	32.73	10.22	32.29	331	237	A	V
	*		5222	93.74	-	-	82.95	32.74	10.32	32.27	331	237	P	V
	*		5222	83.44	-	-	72.65	32.74	10.32	32.27	331	237	A	V
			5431.18	53.28	-20.72	74	42.27	32.79	10.43	32.21	331	237	P	V
			5450.76	43.08	-10.92	54	32.05	32.79	10.44	32.2	331	237	A	V



<b>802.11a CH 48 5240MHz</b>		5147.9	52.7	-21.3	74	42.04	32.73	10.22	32.29	103	118	P	H
		5142.95	42.75	-11.25	54	32.09	32.73	10.22	32.29	103	118	A	H
	*	5242	86.18	-	-	75.37	32.75	10.32	32.26	103	118	P	H
	*	5242	75.97	-	-	65.16	32.75	10.32	32.26	103	118	A	H
		5452.19	53.54	-20.46	74	42.51	32.79	10.44	32.2	103	118	P	H
		5419.85	43.09	-10.91	54	32.09	32.78	10.43	32.21	103	118	A	H
		5105.45	52.65	-21.35	74	42.1	32.72	10.13	32.3	333	233	P	V
		5149.85	42.76	-11.24	54	32.1	32.73	10.22	32.29	333	233	A	V
	*	5242	94.03	-	-	83.22	32.75	10.32	32.26	333	233	P	V
	*	5242	83.87	-	-	73.06	32.75	10.32	32.26	333	233	A	V
		5442.62	53.59	-20.41	74	42.58	32.79	10.43	32.21	333	233	P	V
		5427.44	43.05	-10.95	54	32.05	32.78	10.43	32.21	333	233	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	44.24	-29.76	74	50.61	36.57	14.24	57.18	100	0	P	H
		15540	49.88	-24.12	74	48.24	41.41	18.5	58.27	100	0	P	H
													H
													H
		10359	44.91	-29.09	74	51.28	36.57	14.24	57.18	100	0	P	V
		15540	49.04	-24.96	74	47.4	41.41	18.5	58.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.8	-29.2	74	51.06	36.59	14.29	57.14	100	0	P	H
		15660	48.45	-25.55	74	46.52	41.46	18.65	58.18	100	0	P	H
													H
													H
		10440	45.28	-28.72	74	51.54	36.59	14.29	57.14	100	0	P	V
		15660	48.24	-25.76	74	46.31	41.46	18.65	58.18	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10479	44.62	-29.38	74	50.81	36.6	14.32	57.11	100	0	P	H
		15720	49.52	-24.48	74	47.4	41.49	18.75	58.12	100	0	P	H
													H
													H
		10479	44.16	-29.84	74	50.35	36.6	14.32	57.11	100	0	P	V
		15720	49.13	-24.87	74	47.01	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		5109.05	52.44	-21.56	74	41.89	32.72	10.13	32.3	321	114	P	H	
		5147.9	42.47	-11.53	54	31.81	32.73	10.22	32.29	321	114	A	H	
	*	5182	86.07	-	-	75.31	32.74	10.3	32.28	321	114	P	H	
	*	5182	75.86	-	-	65.1	32.74	10.3	32.28	321	114	A	H	
													H	
														H
			5067.95	52.22	-21.78	74	41.77	32.71	10.05	32.31	131	245	P	V
			5119.25	42.44	-11.56	54	31.89	32.72	10.13	32.3	131	245	A	V
		*	5182	92.31	-	-	81.55	32.74	10.3	32.28	131	245	P	V
		*	5182	82.23	-	-	71.47	32.74	10.3	32.28	131	245	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5145.5	52.48	-21.52	74	41.82	32.73	10.22	32.29	131	288	P	H	
		5139.95	42.51	-11.49	54	31.85	32.73	10.22	32.29	131	288	A	H	
	*	5222	86.38	-	-	75.59	32.74	10.32	32.27	131	288	P	H	
	*	5222	76.05	-	-	65.26	32.74	10.32	32.27	131	288	A	H	
			5432.83	53.55	-20.45	74	42.54	32.79	10.43	32.21	131	288	P	H
			5436.57	42.84	-11.16	54	31.83	32.79	10.43	32.21	131	288	A	H
			5118.05	52.69	-21.31	74	42.14	32.72	10.13	32.3	169	240	P	V
			5144.3	42.46	-11.54	54	31.8	32.73	10.22	32.29	169	240	A	V
		*	5222	92.65	-	-	81.86	32.74	10.32	32.27	169	240	P	V
		*	5222	82.29	-	-	71.5	32.74	10.32	32.27	169	240	A	V
		5459.23	53.62	-20.38	74	42.59	32.79	10.44	32.2	169	240	P	V	
		5431.18	42.78	-11.22	54	31.77	32.79	10.43	32.21	169	240	A	V	



<b>802.11n</b>  <b>HT20</b>  <b>CH 48</b>  <b>5240MHz</b>		5072	52.5	-21.5	74	42.04	32.72	10.05	32.31	242	285	P	H
		5142.2	42.48	-11.52	54	31.82	32.73	10.22	32.29	242	285	A	H
	*	5241	84.26	-	-	73.45	32.75	10.32	32.26	242	285	P	H
	*	5241	74.03	-	-	63.22	32.75	10.32	32.26	242	285	A	H
		5395.43	53.47	-20.53	74	42.49	32.78	10.42	32.22	242	285	P	H
		5446.47	42.78	-11.22	54	31.75	32.79	10.44	32.2	242	285	A	H
		5113.1	52.85	-21.15	74	42.3	32.72	10.13	32.3	142	230	P	V
		5148.65	42.49	-11.51	54	31.83	32.73	10.22	32.29	142	230	A	V
	*	5241	91.99	-	-	81.18	32.75	10.32	32.26	142	230	P	V
	*	5241	81.59	-	-	70.78	32.75	10.32	32.26	142	230	A	V
		5449	52.77	-21.23	74	41.74	32.79	10.44	32.2	142	230	P	V
		5424.47	42.81	-11.19	54	31.81	32.78	10.43	32.21	142	230	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	44.03	-29.97	74	50.4	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
		10359	44.22	-29.78	74	50.59	36.57	14.24	57.18	100	0	P	V
		15540	47.98	-26.02	74	46.34	41.41	18.5	58.27	100	0	P	V
													V
802.11n HT20 CH 44 5220MHz		10440	44.59	-29.41	74	50.85	36.59	14.29	57.14	100	0	P	H
		15660	48.67	-25.33	74	46.74	41.46	18.65	58.18	100	0	P	H
													H
													H
		10440	44.56	-29.44	74	50.82	36.59	14.29	57.14	100	0	P	V
		15660	48.32	-25.68	74	46.39	41.46	18.65	58.18	100	0	P	V
													V
802.11n HT20 CH 48 5240MHz		10479	44.47	-29.53	74	50.66	36.6	14.32	57.11	100	0	P	H
		15720	49.18	-24.82	74	47.06	41.49	18.75	58.12	100	0	P	H
													H
													H
		10479	44.98	-29.02	74	51.17	36.6	14.32	57.11	100	0	P	V
		15720	48.8	-25.2	74	46.68	41.49	18.75	58.12	100	0	P	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		5103.05	53.2	-20.8	74	42.65	32.72	10.13	32.3	125	283	P	H
		5142.2	42.62	-11.38	54	31.96	32.73	10.22	32.29	125	283	A	H
	*	5192	82.47	-	-	71.7	32.74	10.3	32.27	125	283	P	H
	*	5192	72.54	-	-	61.77	32.74	10.3	32.27	125	283	A	H
		5454.5	53.22	-20.78	74	42.19	32.79	10.44	32.2	125	283	P	H
		5446.03	42.96	-11.04	54	31.93	32.79	10.44	32.2	125	283	A	H
		5008.7	52.91	-21.09	74	42.58	32.7	9.96	32.33	158	259	P	V
		5145.5	42.69	-11.31	54	32.03	32.73	10.22	32.29	158	259	A	V
	*	5188	88.37	-	-	77.61	32.74	10.3	32.28	158	259	P	V
	*	5188	78.54	-	-	67.78	32.74	10.3	32.28	158	259	A	V
		5417.43	53.28	-20.72	74	42.28	32.78	10.43	32.21	158	259	P	V
		5430.3	42.91	-11.09	54	31.9	32.79	10.43	32.21	158	259	A	V
802.11n HT40 CH 46 5230MHz		5092.1	52.51	-21.49	74	41.96	32.72	10.13	32.3	278	281	P	H
		5146.85	42.7	-11.3	54	32.04	32.73	10.22	32.29	278	281	A	H
	*	5228	82.89	-	-	72.08	32.75	10.32	32.26	278	281	P	H
	*	5228	72.51	-	-	61.7	32.75	10.32	32.26	278	281	A	H
		5377.06	52.85	-21.15	74	41.89	32.77	10.42	32.23	278	281	P	H
		5432.61	42.94	-11.06	54	31.93	32.79	10.43	32.21	278	281	A	H
		5113.55	53.46	-20.54	74	42.91	32.72	10.13	32.3	118	242	P	V
		5144.9	42.68	-11.32	54	32.02	32.73	10.22	32.29	118	242	A	V
	*	5228	89.6	-	-	78.79	32.75	10.32	32.26	118	242	P	V
	*	5228	79.53	-	-	68.72	32.75	10.32	32.26	118	242	A	V
	5427.88	52.73	-21.27	74	41.73	32.78	10.43	32.21	118	242	P	V	
	5452.3	43.05	-10.95	54	32.02	32.79	10.44	32.2	118	242	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	44.44	-29.56	74	50.76	36.58	14.27	57.17	100	0	P	H	
		15570	49.57	-24.43	74	47.83	41.43	18.55	58.24	100	0	P	H	
													H	
													H	
			10380	44.06	-29.94	74	50.38	36.58	14.27	57.17	100	0	P	V
			15570	48.48	-25.52	74	46.74	41.43	18.55	58.24	100	0	P	V
														V
802.11n HT40 CH 46 5230MHz		10461	44.2	-29.8	74	50.41	36.59	14.32	57.12	100	0	P	H	
		15690	48.66	-25.34	74	46.63	41.48	18.7	58.15	100	0	P	H	
													H	
													H	
			10461	43.9	-30.1	74	50.11	36.59	14.32	57.12	100	0	P	V
			15690	48.53	-25.47	74	46.5	41.48	18.7	58.15	100	0	P	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		5044.7	52.55	-21.45	74	42.2	32.71	9.96	32.32	350	205	P	H
		5121.65	43.31	-10.69	54	32.76	32.72	10.13	32.3	350	205	A	H
	*	5212	79.47	-	-	68.68	32.74	10.32	32.27	350	205	P	H
	*	5212	70.54	-	-	59.75	32.74	10.32	32.27	350	205	A	H
		5452.85	53.7	-20.3	74	42.67	32.79	10.44	32.2	350	205	P	H
		5378.49	43.43	-10.57	54	32.45	32.78	10.42	32.22	350	205	A	H
		5147.3	53.75	-20.25	74	43.09	32.73	10.22	32.29	150	256	P	V
		5149.1	43.4	-10.6	54	32.74	32.73	10.22	32.29	150	256	A	V
	*	5212	84.6	-	-	73.81	32.74	10.32	32.27	150	256	P	V
	*	5212	75.76	-	-	64.97	32.74	10.32	32.27	150	256	A	V
		5417.43	53.6	-20.4	74	42.6	32.78	10.43	32.21	150	256	P	V
	5389.71	43.48	-10.52	54	32.5	32.78	10.42	32.22	150	256	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)	
802.11ac VHT80 CH 42 5210MHz		10420	44.79	-29.21	74	51.07	36.58	14.29	57.15	100	0	P	H	
		15630	48.13	-25.87	74	46.26	41.46	18.6	58.19	100	0	P	H	
													H	
													H	
			10420	44.11	-29.89	74	50.39	36.58	14.29	57.15	100	0	P	V
			15630	48.56	-25.44	74	46.69	41.46	18.6	58.19	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		5136.35	52.74	-21.26	74	42.08	32.73	10.22	32.29	128	157	P	H
		5149.85	42.75	-11.25	54	32.09	32.73	10.22	32.29	128	157	A	H
	*	5262	85.19	-	-	74.35	32.75	10.35	32.26	128	157	P	H
	*	5262	75.09	-	-	64.25	32.75	10.35	32.26	128	157	A	H
		5403.79	54.1	-19.9	74	43.12	32.78	10.42	32.22	128	157	P	H
		5432.94	43.08	-10.92	54	32.07	32.79	10.43	32.21	128	157	A	H
		5139.8	53.33	-20.67	74	42.67	32.73	10.22	32.29	331	233	P	V
		5145.05	42.83	-11.17	54	32.17	32.73	10.22	32.29	331	233	A	V
	*	5258	94.67	-	-	83.83	32.75	10.35	32.26	331	233	P	V
	*	5258	84.56	-	-	73.72	32.75	10.35	32.26	331	233	A	V
		5395.54	52.9	-21.1	74	41.92	32.78	10.42	32.22	331	233	P	V
		5436.35	43.08	-10.92	54	32.07	32.79	10.43	32.21	331	233	A	V
802.11a CH 60 5300MHz		5059.7	52.96	-21.04	74	42.51	32.71	10.05	32.31	114	281	P	H
		5142.65	42.76	-11.24	54	32.1	32.73	10.22	32.29	114	281	A	H
	*	5298	85.9	-	-	75.02	32.76	10.37	32.25	114	281	P	H
	*	5298	75.92	-	-	65.04	32.76	10.37	32.25	114	281	A	H
		5366.94	53.45	-20.55	74	42.49	32.77	10.42	32.23	114	281	P	H
		5429.86	43.06	-10.94	54	32.05	32.79	10.43	32.21	114	281	A	H
		5128.4	53.81	-20.19	74	43.15	32.73	10.22	32.29	343	235	P	V
		5149.4	42.75	-11.25	54	32.09	32.73	10.22	32.29	343	235	A	V
	*	5302	94.26	-	-	83.38	32.76	10.37	32.25	343	235	P	V
	*	5302	83.97	-	-	73.09	32.76	10.37	32.25	343	235	A	V
		5367.05	52.93	-21.07	74	41.97	32.77	10.42	32.23	343	235	P	V
		5352.31	43.09	-10.91	54	32.15	32.77	10.4	32.23	343	235	A	V



<b>802.11a</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5318	88.02	-	-	77.13	32.76	10.37	32.24	124	307	P	H
	*	5318	77.48	-	-	66.59	32.76	10.37	32.24	124	307	A	H
		5422.49	53.4	-20.6	74	42.4	32.78	10.43	32.21	124	307	P	H
		5444.82	43.05	-10.95	54	32.04	32.79	10.43	32.21	124	307	A	H
													H
													H
	*	5322	95.12	-	-	84.23	32.76	10.37	32.24	325	231	P	V
	*	5322	84.9	-	-	74.01	32.76	10.37	32.24	325	231	A	V
		5385.64	53.97	-20.03	74	42.99	32.78	10.42	32.22	325	231	P	V
		5372	43.25	-10.75	54	32.29	32.77	10.42	32.23	325	231	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	45.36	-28.64	74	51.54	36.58	14.34	57.1	100	0	P	H
		15780	48.3	-25.7	74	46.07	41.51	18.8	58.08	100	0	P	H
													H
													H
		10521	44.98	-29.02	74	51.16	36.58	14.34	57.1	100	0	P	V
		15780	48.97	-25.03	74	46.74	41.51	18.8	58.08	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10599	43.91	-30.09	74	50.18	36.46	14.39	57.12	100	0	P	H
		15900	49.37	-24.63	74	46.84	41.56	18.95	57.98	100	0	P	H
													H
													H
		10599	43.59	-30.41	74	49.86	36.46	14.39	57.12	100	0	P	V
		15900	49.89	-24.11	74	47.36	41.56	18.95	57.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10641	44.11	-29.89	74	50.41	36.41	14.42	57.13	100	0	P	H
		15960	48.72	-25.28	74	46.01	41.59	19.05	57.93	100	0	P	H
													H
													H
		10641	44.02	-29.98	74	50.32	36.41	14.42	57.13	100	0	P	V
		15960	48.58	-25.42	74	45.87	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		5062.7	52.69	-21.31	74	42.24	32.71	10.05	32.31	240	135	P	H
		5146.85	42.51	-11.49	54	31.85	32.73	10.22	32.29	240	135	A	H
	*	5260	84.76	-	-	73.92	32.75	10.35	32.26	240	135	P	H
	*	5260	74.42	-	-	63.58	32.75	10.35	32.26	240	135	A	H
		5408.63	53.38	-20.62	74	42.39	32.78	10.43	32.22	240	135	P	H
		5422.71	42.79	-11.21	54	31.79	32.78	10.43	32.21	240	135	A	H
		5138.3	52.44	-21.56	74	41.78	32.73	10.22	32.29	154	244	P	V
		5145.2	42.5	-11.5	54	31.84	32.73	10.22	32.29	154	244	A	V
	*	5261	90.97	-	-	80.13	32.75	10.35	32.26	154	244	P	V
	*	5261	80.97	-	-	70.13	32.75	10.35	32.26	154	244	A	V
		5378.82	53.21	-20.79	74	42.23	32.78	10.42	32.22	154	244	P	V
		5442.4	42.83	-11.17	54	31.82	32.79	10.43	32.21	154	244	A	V
802.11n HT20 CH 60 5300MHz		5105.3	52.55	-21.45	74	42	32.72	10.13	32.3	138	286	P	H
		5143.85	42.51	-11.49	54	31.85	32.73	10.22	32.29	138	286	A	H
	*	5302	87.97	-	-	77.09	32.76	10.37	32.25	138	286	P	H
	*	5302	77.14	-	-	66.26	32.76	10.37	32.25	138	286	A	H
		5403.57	53.12	-20.88	74	42.14	32.78	10.42	32.22	138	286	P	H
		5427.55	42.8	-11.2	54	31.8	32.78	10.43	32.21	138	286	A	H
		5116.25	52.58	-21.42	74	42.03	32.72	10.13	32.3	142	228	P	V
		5149.55	42.47	-11.53	54	31.81	32.73	10.22	32.29	142	228	A	V
	*	5301	91.98	-	-	81.1	32.76	10.37	32.25	142	228	P	V
	*	5301	81.45	-	-	70.57	32.76	10.37	32.25	142	228	A	V
	5350.55	52.82	-21.18	74	41.88	32.77	10.4	32.23	142	228	P	V	
	5448.12	42.81	-11.19	54	31.78	32.79	10.44	32.2	142	228	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 64</b> <b>5320MHz</b>	*	5324	85.78	-	-	74.89	32.76	10.37	32.24	104	269	P	H
	*	5324	75.68	-	-	64.79	32.76	10.37	32.24	104	269	A	H
		5350.55	53.36	-20.64	74	42.42	32.77	10.4	32.23	104	269	P	H
		5455.93	42.74	-11.26	54	31.71	32.79	10.44	32.2	104	269	A	H
													H
													H
	*	5322	92.45	-	-	81.56	32.76	10.37	32.24	129	230	P	V
	*	5322	82.6	-	-	71.71	32.76	10.37	32.24	129	230	A	V
		5431.62	53.08	-20.92	74	42.07	32.79	10.43	32.21	129	230	P	V
		5371.78	42.82	-11.18	54	31.86	32.77	10.42	32.23	129	230	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	44.64	-29.36	74	50.82	36.58	14.34	57.1	100	0	P	H	
		15780	48.49	-25.51	74	46.26	41.51	18.8	58.08	100	0	P	H	
													H	
													H	
			10521	44.19	-29.81	74	50.37	36.58	14.34	57.1	100	0	P	V
			15780	48.52	-25.48	74	46.29	41.51	18.8	58.08	100	0	P	V
														V
802.11n HT20 CH 60 5300MHz		10599	44.41	-29.59	74	50.68	36.46	14.39	57.12	100	0	P	H	
		15900	49.75	-24.25	74	47.22	41.56	18.95	57.98	100	0	P	H	
													H	
													H	
			10599	45.06	-28.94	74	51.33	36.46	14.39	57.12	100	0	P	V
			15900	49.36	-24.64	74	46.83	41.56	18.95	57.98	100	0	P	V
														V
802.11n HT20 CH 64 5320MHz		10641	44.01	-29.99	74	50.31	36.41	14.42	57.13	100	0	P	H	
		15960	49.61	-24.39	74	46.9	41.59	19.05	57.93	100	0	P	H	
													H	
													H	
			10641	43.91	-30.09	74	50.21	36.41	14.42	57.13	100	0	P	V
			15960	49.45	-24.55	74	46.74	41.59	19.05	57.93	100	0	P	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		5040.05	52.75	-21.25	74	42.4	32.71	9.96	32.32	100	283	P	H
		5145.05	42.64	-11.36	54	31.98	32.73	10.22	32.29	100	283	A	H
	*	5272	82.45	-	-	71.61	32.75	10.35	32.26	100	283	P	H
	*	5272	72.58	-	-	61.74	32.75	10.35	32.26	100	283	A	H
		5411.82	52.75	-21.25	74	41.75	32.78	10.43	32.21	100	283	P	H
		5425.02	42.99	-11.01	54	31.99	32.78	10.43	32.21	100	283	A	H
		5123.75	53.11	-20.89	74	42.54	32.73	10.13	32.29	200	254	P	V
		5148.95	42.59	-11.41	54	31.93	32.73	10.22	32.29	200	254	A	V
	*	5284	88	-	-	77.14	32.76	10.35	32.25	200	254	P	V
	*	5284	78.73	-	-	67.87	32.76	10.35	32.25	200	254	A	V
		5423.92	53.48	-20.52	74	42.48	32.78	10.43	32.21	200	254	P	V
		5420.51	42.96	-11.04	54	31.96	32.78	10.43	32.21	200	254	A	V
802.11n HT40 CH 62 5310MHz		5019.65	52.31	-21.69	74	41.98	32.7	9.96	32.33	110	320	P	H
		5142.05	42.61	-11.39	54	31.95	32.73	10.22	32.29	110	320	A	H
	*	5312	83.02	-	-	72.13	32.76	10.37	32.24	110	320	P	H
	*	5312	73.32	-	-	62.43	32.76	10.37	32.24	110	320	A	H
		5457.8	52.96	-21.04	74	41.93	32.79	10.44	32.2	110	320	P	H
		5427.44	42.9	-11.1	54	31.9	32.78	10.43	32.21	110	320	A	H
		5117.9	53.68	-20.32	74	43.13	32.72	10.13	32.3	114	241	P	V
		5149.1	42.71	-11.29	54	32.05	32.73	10.22	32.29	114	241	A	V
	*	5312	88.8	-	-	77.91	32.76	10.37	32.24	114	241	P	V
	*	5312	79.09	-	-	68.2	32.76	10.37	32.24	114	241	A	V
	5449.22	52.84	-21.16	74	41.81	32.79	10.44	32.2	114	241	P	V	
	5433.71	42.98	-11.02	54	31.97	32.79	10.43	32.21	114	241	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	44.43	-29.57	74	50.62	36.55	14.37	57.11	100	0	P	H	
		15810	49.32	-24.68	74	47	41.52	18.85	58.05	100	0	P	H	
													H	
													H	
			10539	43.98	-30.02	74	50.17	36.55	14.37	57.11	100	0	P	V
			15810	48.24	-25.76	74	45.92	41.52	18.85	58.05	100	0	P	V
														V
802.11n HT40 CH 62 5310MHz		10620	44.4	-29.6	74	50.67	36.43	14.42	57.12	100	0	P	H	
		15930	48.61	-25.39	74	46	41.57	19	57.96	100	0	P	H	
													H	
													H	
			10620	44.13	-29.87	74	50.4	36.43	14.42	57.12	100	0	P	V
			15930	49.38	-24.62	74	46.77	41.57	19	57.96	100	0	P	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 )
802.11ac VHT80 CH 58 5290MHz		5133.95	52.96	-21.04	74	42.3	32.73	10.22	32.29	114	212	P	H
		5136.65	43.36	-10.64	54	32.7	32.73	10.22	32.29	114	212	A	H
	*	5292	79.03	-	-	68.15	32.76	10.37	32.25	114	212	P	H
	*	5292	70.7	-	-	59.82	32.76	10.37	32.25	114	212	A	H
		5388.83	52.91	-21.09	74	41.93	32.78	10.42	32.22	114	212	P	H
		5430.96	43.46	-10.54	54	32.45	32.79	10.43	32.21	114	212	A	H
		5117.6	52.34	-21.66	74	41.79	32.72	10.13	32.3	132	248	P	V
		5138.6	43.27	-10.73	54	32.61	32.73	10.22	32.29	132	248	A	V
	*	5288	85.55	-	-	74.67	32.76	10.37	32.25	132	248	P	V
	*	5288	75.75	-	-	64.87	32.76	10.37	32.25	132	248	A	V
		5439.98	53.46	-20.54	74	42.45	32.79	10.43	32.21	132	248	P	V
	5449.99	43.58	-10.42	54	32.55	32.79	10.44	32.2	132	248	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac 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)	
802.11ac VHT80 CH 58 5290MHz		10580	44.12	-29.88	74	50.37	36.48	14.39	57.12	100	0	P	H	
		15870	49.56	-24.44	74	47.11	41.55	18.9	58	100	0	P	H	
													H	
													H	
			10580	44.28	-29.72	74	50.53	36.48	14.39	57.12	100	0	P	V
			15870	49.8	-24.2	74	47.35	41.55	18.9	58	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		5461.52	53.08	-20.92	74	42.05	32.79	10.44	32.2	113	293	P	H	
		5440.08	43.05	-10.95	54	32.04	32.79	10.43	32.21	113	293	A	H	
	*	5502	88.62	-	-	77.56	32.8	10.45	32.19	113	293	P	H	
	*	5502	79.07	-	-	68.01	32.8	10.45	32.19	113	293	A	H	
													H	
													H	
			5401.52	53.79	-20.21	74	42.81	32.78	10.42	32.22	323	233	P	V
			5447.6	43.37	-10.63	54	32.34	32.79	10.44	32.2	323	233	A	V
	*		5502	96.47	-	-	85.41	32.8	10.45	32.19	323	233	P	V
	*		5502	86.64	-	-	75.58	32.8	10.45	32.19	323	233	A	V
													V	
													V	
802.11a CH 116 5580MHz		5469.84	53.55	-20.45	74	42.52	32.79	10.44	32.2	113	145	P	H	
		5421.68	43.05	-10.95	54	32.05	32.78	10.43	32.21	113	145	A	H	
	*	5578	88.26	-	-	77.02	32.94	10.47	32.17	113	145	P	H	
	*	5578	78.36	-	-	67.12	32.94	10.47	32.17	113	145	A	H	
			5758.92	53.77	-20.23	74	42.03	33.32	10.53	32.11	113	145	P	H
			5737	43.72	-10.28	54	32.02	33.28	10.53	32.11	113	145	A	H
			5451.76	53.21	-20.79	74	42.18	32.79	10.44	32.2	314	234	P	V
			5468.56	43.04	-10.96	54	32.01	32.79	10.44	32.2	314	234	A	V
	*		5582	98.31	-	-	87.03	32.97	10.47	32.16	314	234	P	V
	*		5582	88.37	-	-	77.09	32.97	10.47	32.16	314	234	A	V
			5760.6	53.64	-20.36	74	41.9	33.32	10.53	32.11	314	234	P	V
			5749.88	43.75	-10.25	54	32.05	33.28	10.53	32.11	314	234	A	V



<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5698	91.15	-	-	79.58	33.18	10.52	32.13	123	295	P	H
	*	5698	80.83	-	-	69.26	33.18	10.52	32.13	123	295	A	H
		5762.04	53.76	-20.24	74	42.02	33.32	10.53	32.11	123	295	P	H
		5737.24	43.72	-10.28	54	32.02	33.28	10.53	32.11	123	295	A	H
													H
													H
	*	5698	100.21	-	-	88.64	33.18	10.52	32.13	315	235	P	V
	*	5698	89.86	-	-	78.29	33.18	10.52	32.13	315	235	A	V
		5753.4	54.03	-19.97	74	42.29	33.32	10.53	32.11	315	235	P	V
		5751.96	44.08	-9.92	54	32.34	33.32	10.53	32.11	315	235	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		11001	42.95	-31.05	74	49.6	35.9	14.65	57.2	100	0	P	H
		16500	47.39	-26.61	74	43.7	41.7	19.09	57.1	100	0	P	H
													H
													H
		11001	42.54	-31.46	74	49.19	35.9	14.65	57.2	100	0	P	V
		16500	47.67	-26.33	74	43.98	41.7	19.09	57.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	43.9	-30.1	74	50.25	36	14.75	57.1	100	0	P	H
		16740	49.47	-24.53	74	45.89	41.6	19.08	57.1	100	0	P	H
													H
													H
		11160	43.39	-30.61	74	49.74	36	14.75	57.1	100	0	P	V
		16740	47.29	-26.71	74	43.71	41.6	19.08	57.1	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	42.86	-31.14	74	48.77	36.14	14.91	56.96	100	0	P	H
		17100	47.79	-26.21	74	44.42	41.66	19.07	57.36	100	0	P	H
													H
													H
		11400	43.68	-30.32	74	49.59	36.14	14.91	56.96	100	0	P	V
		17100	48.28	-25.72	74	44.91	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		5456.08	52.89	-21.11	74	41.86	32.79	10.44	32.2	124	294	P	H	
		5448.4	42.75	-11.25	54	31.72	32.79	10.44	32.2	124	294	A	H	
	*	5498	87.49	-	-	76.43	32.8	10.45	32.19	124	294	P	H	
	*	5498	77.73	-	-	66.67	32.8	10.45	32.19	124	294	A	H	
													H	
														H
			5443.76	52.64	-21.36	74	41.63	32.79	10.43	32.21	195	251	P	V
			5448.4	42.81	-11.19	54	31.78	32.79	10.44	32.2	195	251	A	V
		*	5502	92.05	-	-	80.99	32.8	10.45	32.19	195	251	P	V
		*	5502	81.62	-	-	70.56	32.8	10.45	32.19	195	251	A	V
													V	
													V	
802.11n HT20 CH 116 5580MHz		5421.84	53.33	-20.67	74	42.33	32.78	10.43	32.21	114	290	P	H	
		5417.2	42.69	-11.31	54	31.69	32.78	10.43	32.21	114	290	A	H	
	*	5578	88.27	-	-	77.03	32.94	10.47	32.17	114	290	P	H	
	*	5578	77.99	-	-	66.75	32.94	10.47	32.17	114	290	A	H	
			5744.6	54.43	-19.57	74	42.73	33.28	10.53	32.11	114	290	P	H
			5742.92	43.38	-10.62	54	31.68	33.28	10.53	32.11	114	290	A	H
			5426.32	54.85	-19.15	74	43.85	32.78	10.43	32.21	227	228	P	V
			5428.24	42.7	-11.3	54	31.7	32.78	10.43	32.21	227	228	A	V
		*	5578	97.34	-	-	86.1	32.94	10.47	32.17	227	228	P	V
		*	5578	86.64	-	-	75.4	32.94	10.47	32.17	227	228	A	V
		5759.96	53.91	-20.09	74	42.17	33.32	10.53	32.11	227	228	P	V	
		5758.52	43.36	-10.64	54	31.62	33.32	10.53	32.11	227	228	A	V	





<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5702	89.84	-	-	78.23	33.21	10.52	32.12	105	294	P	H
	*	5702	79.19	-	-	67.58	33.21	10.52	32.12	105	294	A	H
		5758.44	54.17	-19.83	74	42.43	33.32	10.53	32.11	105	294	P	H
		5735.8	43.38	-10.62	54	31.68	33.28	10.53	32.11	105	294	A	H
													H
													H
	*	5698	99.02	-	-	87.45	33.18	10.52	32.13	300	230	P	V
	*	5698	88.77	-	-	77.2	33.18	10.52	32.13	300	230	A	V
		5748.68	53.7	-20.3	74	42	33.28	10.53	32.11	300	230	P	V
		5752.04	43.72	-10.28	54	31.98	33.32	10.53	32.11	300	230	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		11001	43.42	-30.58	74	50.07	35.9	14.65	57.2	100	0	P	H	
		16500	48.15	-25.85	74	44.46	41.7	19.09	57.1	100	0	P	H	
													H	
													H	
			11001	42.58	-31.42	74	49.23	35.9	14.65	57.2	100	0	P	V
			16500	48.25	-25.75	74	44.56	41.7	19.09	57.1	100	0	P	V
														V
802.11n HT20 CH 116 5580MHz		11160	44.22	-29.78	74	50.57	36	14.75	57.1	100	0	P	H	
		16740	48.03	-25.97	74	44.45	41.6	19.08	57.1	100	0	P	H	
													H	
													H	
			11160	43.75	-30.25	74	50.1	36	14.75	57.1	100	0	P	V
			16740	47.79	-26.21	74	44.21	41.6	19.08	57.1	100	0	P	V
														V
802.11n HT20 CH 140 5700MHz		11400	44.59	-29.41	74	50.5	36.14	14.91	56.96	100	0	P	H	
		17100	47.67	-26.33	74	44.3	41.66	19.07	57.36	100	0	P	H	
													H	
													H	
			11400	43.66	-30.34	74	49.57	36.14	14.91	56.96	100	0	P	V
			17100	47.85	-26.15	74	44.48	41.66	19.07	57.36	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		5466	53.01	-20.99	74	41.98	32.79	10.44	32.2	107	281	P	H
		5422.8	42.94	-11.06	54	31.94	32.78	10.43	32.21	107	281	A	H
	*	5508	85.65	-	-	74.59	32.8	10.45	32.19	107	281	P	H
	*	5508	75.42	-	-	64.36	32.8	10.45	32.19	107	281	A	H
		5760.6	54.12	-19.88	74	42.38	33.32	10.53	32.11	107	281	P	H
		5745.08	43.55	-10.45	54	31.85	33.28	10.53	32.11	107	281	A	H
		5419.76	53.98	-20.02	74	42.98	32.78	10.43	32.21	304	228	P	V
		5469.68	43	-11	54	31.97	32.79	10.44	32.2	304	228	A	V
	*	5512	93.29	-	-	82.23	32.8	10.45	32.19	304	228	P	V
	*	5512	83.67	-	-	72.61	32.8	10.45	32.19	304	228	A	V
		5736.28	53.89	-20.11	74	42.19	33.28	10.53	32.11	304	228	P	V
		5743.48	43.63	-10.37	54	31.93	33.28	10.53	32.11	304	228	A	V
802.11n HT40 CH 110 5550MHz		5420.24	52.9	-21.1	74	41.9	32.78	10.43	32.21	104	280	P	H
		5429.04	43.06	-10.94	54	32.05	32.79	10.43	32.21	104	280	A	H
	*	5548	85.77	-	-	74.58	32.9	10.46	32.17	104	280	P	H
	*	5548	75.94	-	-	64.75	32.9	10.46	32.17	104	280	A	H
		5762.76	53.81	-20.19	74	42.07	33.32	10.53	32.11	104	280	P	H
		5750.52	43.54	-10.46	54	31.84	33.28	10.53	32.11	104	280	A	H
		5372.72	54.29	-19.71	74	43.33	32.77	10.42	32.23	300	229	P	V
		5445.84	42.92	-11.08	54	31.9	32.79	10.43	32.2	300	229	A	V
	*	5548	94.11	-	-	82.92	32.9	10.46	32.17	300	229	P	V
	*	5548	84.34	-	-	73.15	32.9	10.46	32.17	300	229	A	V
	5748.6	53.73	-20.27	74	42.03	33.28	10.53	32.11	300	229	P	V	
	5754.04	43.63	-10.37	54	31.89	33.32	10.53	32.11	300	229	A	V	



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5370.64	53.3	-20.7	74	42.34	32.77	10.42	32.23	122	294	P	H
		5448.72	42.97	-11.03	54	31.94	32.79	10.44	32.2	122	294	A	H
	*	5672	87.01	-	-	75.5	33.14	10.5	32.13	122	294	P	H
	*	5672	77.19	-	-	65.68	33.14	10.5	32.13	122	294	A	H
		5749.16	53.82	-20.18	74	42.12	33.28	10.53	32.11	122	294	P	H
		5747.72	43.56	-10.44	54	31.86	33.28	10.53	32.11	122	294	A	H
		5451.92	53.05	-20.95	74	42.02	32.79	10.44	32.2	378	237	P	V
		5467.12	42.98	-11.02	54	31.95	32.79	10.44	32.2	378	237	A	V
	*	5672	93.38	-	-	81.87	33.14	10.5	32.13	378	237	P	V
	*	5672	83.66	-	-	72.15	33.14	10.5	32.13	378	237	A	V
		5762.44	54.17	-19.83	74	42.43	33.32	10.53	32.11	378	237	P	V
		5738.76	43.58	-10.42	54	31.88	33.28	10.53	32.11	378	237	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	43.66	-30.34	74	50.26	35.91	14.68	57.19	100	0	P	H	
		16530	47.27	-26.73	74	43.59	41.69	19.09	57.1	100	0	P	H	
													H	
													H	
			11019	43.27	-30.73	74	49.87	35.91	14.68	57.19	100	0	P	V
			16530	48.4	-25.6	74	44.72	41.69	19.09	57.1	100	0	P	V
														V
802.11n HT40 CH 110 5550MHz		11100	43.52	-30.48	74	49.97	35.96	14.73	57.14	100	0	P	H	
		16650	47.86	-26.14	74	44.24	41.64	19.08	57.1	100	0	P	H	
													H	
													H	
			11100	45.41	-28.59	74	51.86	35.96	14.73	57.14	100	0	P	V
			16650	48.24	-25.76	74	44.62	41.64	19.08	57.1	100	0	P	V
														V
802.11n HT40 CH 134 5670MHz		11340	44.56	-29.44	74	50.58	36.1	14.88	57	100	0	P	H	
		17010	48.45	-25.55	74	44.98	41.53	19.08	57.14	100	0	P	H	
													H	
													H	
			11340	43.75	-30.25	74	49.77	36.1	14.88	57	100	0	P	V
			17010	47.79	-26.21	74	44.32	41.53	19.08	57.14	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 802.11ac 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 106 5530MHz		5446.64	53.67	-20.33	74	42.64	32.79	10.44	32.2	102	283	P	H
		5357.36	43.29	-10.71	54	32.35	32.77	10.4	32.23	102	283	A	H
	*	5528	82.42	-	-	71.31	32.83	10.46	32.18	102	283	P	H
	*	5528	72.86	-	-	61.75	32.83	10.46	32.18	102	283	A	H
		5753.8	53.98	-20.02	74	42.24	33.32	10.53	32.11	102	283	P	H
		5753.4	43.83	-10.17	54	32.09	33.32	10.53	32.11	102	283	A	H
		5394.64	53.4	-20.6	74	42.42	32.78	10.42	32.22	118	226	P	V
		5454.32	43.34	-10.66	54	32.31	32.79	10.44	32.2	118	226	A	V
	*	5511	86.15	-	-	75.09	32.8	10.45	32.19	118	226	P	V
	*	5511	77.35	-	-	66.29	32.8	10.45	32.19	118	226	A	V
		5744.44	53.99	-20.01	74	42.29	33.28	10.53	32.11	118	226	P	V
		5743.16	43.83	-10.17	54	32.13	33.28	10.53	32.11	118	226	A	V
802.11ac VHT80 CH 122 5610MHz		5462.8	53.39	-20.61	74	42.36	32.79	10.44	32.2	117	283	P	H
		5446.16	43.18	-10.82	54	32.15	32.79	10.44	32.2	117	283	A	H
	*	5608	82.27	-	-	70.93	33.01	10.49	32.16	117	283	P	H
	*	5608	72.65	-	-	61.31	33.01	10.49	32.16	117	283	A	H
		5731.88	53.6	-20.4	74	41.94	33.25	10.53	32.12	117	283	P	H
		5734.44	43.85	-10.15	54	32.19	33.25	10.53	32.12	117	283	A	H
		5467.76	52.85	-21.15	74	41.82	32.79	10.44	32.2	114	230	P	V
		5425.52	43.57	-10.43	54	32.57	32.78	10.43	32.21	114	230	A	V
	*	5608	87.66	-	-	76.32	33.01	10.49	32.16	114	230	P	V
	*	5608	78.74	-	-	67.4	33.01	10.49	32.16	114	230	A	V
	5732.12	53.31	-20.69	74	41.65	33.25	10.53	32.12	114	230	P	V	
	5743.4	44.18	-9.82	54	32.48	33.28	10.53	32.11	114	230	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac 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)	
802.11ac VHT80 CH 106 5530MHz		11060	43.41	-30.59	74	49.93	35.94	14.7	57.16	100	0	P	H	
		16590	46.92	-27.08	74	43.26	41.67	19.09	57.1	100	0	P	H	
													H	
													H	
			11060	43.04	-30.96	74	49.56	35.94	14.7	57.16	100	0	P	V
			16590	48.16	-25.84	74	44.5	41.67	19.09	57.1	100	0	P	V
														V
802.11ac VHT80 CH 122 5610MHz		11220	43.48	-30.52	74	49.72	36.03	14.8	57.07	100	0	P	H	
		16830	47.77	-26.23	74	44.22	41.57	19.08	57.1	100	0	P	H	
													H	
													H	
			11220	43.4	-30.6	74	49.64	36.03	14.8	57.07	100	0	P	V
			16830	47.47	-26.53	74	43.92	41.57	19.08	57.1	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



**Band 3 - Straddle Channel**

**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 144 5720MHz	*	5722	88.35	-	-	76.7	33.25	10.52	32.12	390	113	P	H	
	*	5722	78.84	-	-	67.19	33.25	10.52	32.12	390	113	A	H	
													H	
													H	
													H	
													H	
	*	5718	95.45	-	-	83.8	33.25	10.52	32.12	270	68	P	V	
	*	5718	85.46	-	-	73.81	33.25	10.52	32.12	270	68	A	V	
														V
														V
														V
	<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 3 - Straddle Channel**  
**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 144 5720MHz		11439	43.43	-30.57	74	49.28	36.16	14.93	56.94	100	0	P	H	
		17160	47.58	-26.42	74	44.27	41.77	19.07	57.53	100	0	P	H	
													H	
													H	
			11439	44.05	-29.95	74	49.9	36.16	14.93	56.94	100	0	P	V
			17160	47.85	-26.15	74	44.54	41.77	19.07	57.53	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 - Straddle Channel**  
**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 144 5720MHz	*	5722	88	-	-	76.35	33.25	10.52	32.12	109	110	P	H
	*	5722	77.76	-	-	66.11	33.25	10.52	32.12	109	110	A	H
													H
													H
													H
													H
	*	5718	95.84	-	-	84.19	33.25	10.52	32.12	152	51	P	V
	*	5718	85.7	-	-	74.05	33.25	10.52	32.12	152	51	A	V
													V
													V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**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 144 5720MHz		11439	43.34	-30.66	74	49.19	36.16	14.93	56.94	100	0	P	H	
		17160	47.91	-26.09	74	44.6	41.77	19.07	57.53	100	0	P	H	
													H	
													H	
			11439	42.94	-31.06	74	48.79	36.16	14.93	56.94	100	0	P	V
			17160	47.58	-26.42	74	44.27	41.77	19.07	57.53	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 - Straddle Channel  
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 142 5710MHz	*	5708	86.76	-	-	75.15	33.21	10.52	32.12	253	122	P	H
	*	5708	76.89	-	-	65.28	33.21	10.52	32.12	253	122	A	H
													H
													H
													H
													H
	*	5708	93.64	-	-	82.03	33.21	10.52	32.12	212	49	P	V
	*	5708	83.76	-	-	72.15	33.21	10.52	32.12	212	49	A	V
													V
													V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**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 142 5710MHz		11420	43.28	-30.72	74	49.15	36.15	14.93	56.95	100	0	P	H	
		17130	48.88	-25.12	74	45.55	41.71	19.07	57.45	100	0	P	H	
													H	
													H	
			11420	43.37	-30.63	74	49.24	36.15	14.93	56.95	100	0	P	V
			17130	48.47	-25.53	74	45.14	41.71	19.07	57.45	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 - Straddle Channel**  
**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 138 5690MHz	*	5688	83.07	-	-	71.5	33.18	10.52	32.13	106	282	P	H
	*	5688	74.53	-	-	62.96	33.18	10.52	32.13	106	282	A	H
													H
													H
													H
													H
	*	5693	87.99	-	-	76.42	33.18	10.52	32.13	119	226	P	V
	*	5693	78.94	-	-	67.37	33.18	10.52	32.13	119	226	A	V
													V
													V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - Straddle Channel**  
**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)	
802.11ac VHT80 CH 138 5690MHz		11380	43.51	-30.49	74	49.44	36.13	14.91	56.97	100	0	P	H	
													H	
													H	
													H	
			11380	43.06	-30.94	74	48.99	36.13	14.91	56.97	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 802.11a (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		78.33	16.66	-23.34	40	38.87	7	1.22	30.43			P	H	
		105.06	33.55	-9.95	43.5	51.88	10.6	1.48	30.41	100	99	P	H	
		207.66	24.69	-18.81	43.5	43.95	9.17	1.89	30.32			P	H	
		691.3	22.75	-23.25	46	28.39	20.45	3.4	29.49			P	H	
		736.8	24.51	-21.49	46	28.3	22.11	3.54	29.44			P	H	
		916.7	25.52	-20.48	46	26.87	23.75	3.98	29.08			P	H	
														H
														H
														H
														H
														H
														H
			66.99	23.33	-16.67	40	46.39	6.16	1.22	30.44			P	V
			82.38	23.92	-16.08	40	45.62	7.5	1.22	30.42	188	114	P	V
			213.87	21.06	-22.44	43.5	40.11	9.24	2.02	30.31			P	V
			431.6	21.26	-24.74	46	31.6	16.92	2.68	29.94			P	V
			749.4	23.41	-22.59	46	27.1	22.2	3.54	29.43			P	V
			902.7	25.71	-20.29	46	27.42	23.43	3.98	29.12			P	V
														V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against 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		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT20 LF													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against 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													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													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**

*	<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

- Level(dBμV/m) =  
Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

- 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)
- Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

- 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)
- 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”.**