



Appendix A. Radiated Spurious Emission

Test Engineer :	Karl Hou, Kyle Jhuang and Jet Lui	Temperature :	25~26°C
		Relative Humidity :	50~51%

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		5146.1	68.18	-5.82	74	58.57	35.18	6.72	32.29	184	1	P	H	
		5148.95	51.99	-2.01	54	42.38	35.18	6.72	32.29	184	1	A	H	
	*	5180	114.04	-	-	104.37	35.22	6.73	32.28	184	1	P	H	
	*	5180	103.59	-	-	93.92	35.22	6.73	32.28	184	1	A	H	
													H	
													H	
			5146.55	69.67	-4.33	74	60.06	35.18	6.72	32.29	100	20	P	V
			5149.7	51.35	-2.65	54	41.74	35.18	6.72	32.29	100	20	A	V
	*		5182	112.82	-	-	103.15	35.22	6.73	32.28	100	20	P	V
	*		5182	103.14	-	-	93.47	35.22	6.73	32.28	100	20	A	V
													V	
													V	
802.11a CH 44 5220MHz		5145.2	54.14	-19.86	74	44.53	35.18	6.72	32.29	115	335	P	H	
		5146.7	43.53	-10.47	54	33.92	35.18	6.72	32.29	115	335	A	H	
	*	5222	95.76	-	-	86.01	35.26	6.76	32.27	115	335	A	H	
	*	5222	105.3	-	-	95.55	35.26	6.76	32.27	115	335	P	H	
			5424.25	52.02	-21.98	74	41.83	35.5	6.9	32.21	115	335	P	H
			5437.45	42.68	-11.32	54	32.45	35.52	6.92	32.21	115	335	A	H
			5130.5	55.73	-18.27	74	46.15	35.16	6.71	32.29	109	351	P	V
			5144.3	44.78	-9.22	54	35.17	35.18	6.72	32.29	109	351	A	V
	*		5221	101.53	-	-	91.78	35.26	6.76	32.27	109	351	A	V
	*		5221	111.03	-	-	101.28	35.26	6.76	32.27	109	351	P	V
			5352.75	56.1	-17.9	74	46.08	35.42	6.83	32.23	109	351	P	V
			5437.45	44.36	-9.64	54	34.13	35.52	6.92	32.21	109	351	A	V



802.11a CH 48 5240MHz		5144.15	57.33	-16.67	74	47.72	35.18	6.72	32.29	110	357	P	H
		5149.4	46	-8	54	36.39	35.18	6.72	32.29	110	357	A	H
	*	5239	113.13	-	-	103.34	35.28	6.77	32.26	110	357	P	H
	*	5239	103.01	-	-	93.22	35.28	6.77	32.26	110	357	A	H
		5453.4	55.42	-18.58	74	45.14	35.54	6.94	32.2	110	357	P	H
		5458.46	45.12	-8.88	54	34.84	35.54	6.94	32.2	110	357	A	H
		5144.75	58.83	-15.17	74	49.22	35.18	6.72	32.29	100	34	P	V
		5142.65	46.12	-7.88	54	36.51	35.18	6.72	32.29	100	34	A	V
	*	5241	111.64	-	-	101.85	35.28	6.77	32.26	100	34	P	V
	*	5241	100.9	-	-	91.11	35.28	6.77	32.26	100	34	A	V
		5364.19	53.58	-20.42	74	43.52	35.44	6.85	32.23	100	34	P	V
		5350	43.26	-10.74	54	33.24	35.42	6.83	32.23	100	34	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	43.39	-30.61	74	52.57	38.2	9.8	57.18	100	0	P	H
		15540	46.36	-27.64	74	52.18	40.64	11.81	58.27	100	0	P	H
													H
													H
		10360	43.25	-30.75	74	52.43	38.2	9.8	57.18	100	0	P	V
		15540	45.47	-28.53	74	51.29	40.64	11.81	58.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	43.59	-30.41	74	52.71	38.2	9.82	57.14	100	0	P	H
		15660	45.96	-28.04	74	51.55	40.79	11.8	58.18	100	0	P	H
													H
													H
		10440	43.1	-30.9	74	52.22	38.2	9.82	57.14	100	0	P	V
		15660	45.8	-28.2	74	51.39	40.79	11.8	58.18	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	42.87	-31.13	74	51.94	38.2	9.84	57.11	100	0	P	H
		15720	46.12	-27.88	74	51.57	40.87	11.8	58.12	100	0	P	H
													H
													H
		10480	43.51	-30.49	74	52.58	38.2	9.84	57.11	100	0	P	V
		15720	45.32	-28.68	74	50.77	40.87	11.8	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 36 5180MHz		5141.75	61.06	-12.94	74	51.45	35.18	6.72	32.29	184	6	P	H	
		5140.25	48.9	-5.1	54	39.29	35.18	6.72	32.29	184	6	A	H	
	*	5181	109.89	-	-	100.22	35.22	6.73	32.28	184	6	P	H	
	*	5181	99.68	-	-	90.01	35.22	6.73	32.28	184	6	A	H	
													H	
													H	
			5148.95	61	-13	74	51.39	35.18	6.72	32.29	100	21	P	V
			5141.6	48.42	-5.58	54	38.81	35.18	6.72	32.29	100	21	A	V
	*		5181	109.73	-	-	100.06	35.22	6.73	32.28	100	21	P	V
	*		5181	100.09	-	-	90.42	35.22	6.73	32.28	100	21	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5117.15	52.18	-21.82	74	42.63	35.14	6.71	32.3	100	75	P	H	
		5148.05	42.29	-11.71	54	32.68	35.18	6.72	32.29	100	75	A	H	
	*	5221	93.74	-	-	83.99	35.26	6.76	32.27	100	75	A	H	
	*	5221	103.27	-	-	93.52	35.26	6.76	32.27	100	75	P	H	
			5425.68	52.77	-21.23	74	42.58	35.5	6.9	32.21	100	75	P	H
			5437.56	42.81	-11.19	54	32.58	35.52	6.92	32.21	100	75	A	H
			5138	56.93	-17.07	74	47.35	35.16	6.71	32.29	100	352	P	V
			5146.55	45.8	-8.2	54	36.19	35.18	6.72	32.29	100	352	A	V
	*		5221	100.63	-	-	90.88	35.26	6.76	32.27	100	352	A	V
	*		5221	110.68	-	-	100.93	35.26	6.76	32.27	100	352	P	V
		5358.8	53.81	-20.19	74	43.77	35.42	6.85	32.23	100	352	P	V	
		5358.47	43.32	-10.68	54	33.28	35.42	6.85	32.23	100	352	A	V	



802.11n HT20 CH 48 5240MHz		5142.65	54.89	-19.11	74	45.28	35.18	6.72	32.29	183	327	P	H
		5148.5	44.31	-9.69	54	34.7	35.18	6.72	32.29	183	327	A	H
	*	5241	109.32	-	-	99.53	35.28	6.77	32.26	183	327	P	H
	*	5241	99.76	-	-	89.97	35.28	6.77	32.26	183	327	A	H
		5458.46	56.46	-17.54	74	46.18	35.54	6.94	32.2	183	327	P	H
		5458.35	46.3	-7.7	54	36.02	35.54	6.94	32.2	183	327	A	H
		5144	55.72	-18.28	74	46.11	35.18	6.72	32.29	100	30	P	V
		5143.1	44.5	-9.5	54	34.89	35.18	6.72	32.29	100	30	A	V
	*	5240	108.91	-	-	99.12	35.28	6.77	32.26	100	30	P	V
	*	5240	98.99	-	-	89.2	35.28	6.77	32.26	100	30	A	V
		5350.33	53.37	-20.63	74	43.35	35.42	6.83	32.23	100	30	P	V
		5350.11	43.2	-10.8	54	33.18	35.42	6.83	32.23	100	30	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		10360	44.22	-29.78	74	53.4	38.2	9.8	57.18	100	0	P	H
		15540	45.98	-28.02	74	51.8	40.64	11.81	58.27	100	0	P	H
													H
													H
		10360	43.8	-30.2	74	52.98	38.2	9.8	57.18	100	0	P	V
		15540	45.97	-28.03	74	51.79	40.64	11.81	58.27	100	0	P	V
802.11n HT20 CH 44 5220MHz		10440	43.18	-30.82	74	52.3	38.2	9.82	57.14	100	0	P	H
		15660	46.45	-27.55	74	52.04	40.79	11.8	58.18	100	0	P	H
													H
													H
		10440	43.93	-30.07	74	53.05	38.2	9.82	57.14	100	0	P	V
		15660	45.68	-28.32	74	51.27	40.79	11.8	58.18	100	0	P	V
802.11n HT20 CH 48 5240MHz		10480	43.27	-30.73	74	52.34	38.2	9.84	57.11	100	0	P	H
		15720	46.03	-27.97	74	51.48	40.87	11.8	58.12	100	0	P	H
													H
													H
		10480	43.81	-30.19	74	52.88	38.2	9.84	57.11	100	0	P	V
		15720	46.4	-27.6	74	51.85	40.87	11.8	58.12	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5150	67.15	-6.85	74	57.54	35.18	6.72	32.29	100	6	P	H
		5150	52.54	-1.46	54	42.93	35.18	6.72	32.29	100	6	A	H
	*	5190	105.56	-	-	95.87	35.22	6.75	32.28	100	6	P	H
	*	5190	95.26	-	-	85.57	35.22	6.75	32.28	100	6	A	H
		5457.58	52.73	-21.27	74	42.45	35.54	6.94	32.2	100	6	P	H
		5452.41	42.77	-11.23	54	32.49	35.54	6.94	32.2	100	6	A	H
		5150	65.32	-8.68	74	55.71	35.18	6.72	32.29	100	24	P	V
		5149.85	50.42	-3.58	54	40.81	35.18	6.72	32.29	100	24	A	V
	*	5190	103.78	-	-	94.09	35.22	6.75	32.28	100	24	P	V
	*	5190	93.7	-	-	84.01	35.22	6.75	32.28	100	24	A	V
		5384.32	52.88	-21.12	74	42.76	35.46	6.88	32.22	100	24	P	V
		5361	42.76	-11.24	54	32.7	35.44	6.85	32.23	100	24	A	V
802.11n HT40 CH 46 5230MHz		5142.2	57.62	-16.38	74	48.01	35.18	6.72	32.29	100	326	P	H
		5150	45.86	-8.14	54	36.25	35.18	6.72	32.29	100	326	A	H
	*	5230	108.28	-	-	98.5	35.28	6.76	32.26	100	326	P	H
	*	5230	98.59	-	-	88.81	35.28	6.76	32.26	100	326	A	H
		5351.65	53.64	-20.36	74	43.62	35.42	6.83	32.23	100	326	P	H
		5360.23	42.84	-11.16	54	32.8	35.42	6.85	32.23	100	326	A	H
		5141.3	55.36	-18.64	74	45.75	35.18	6.72	32.29	100	340	P	V
		5150	44.36	-9.64	54	34.75	35.18	6.72	32.29	100	340	A	V
	*	5230	105.95	-	-	96.17	35.28	6.76	32.26	100	340	P	V
	*	5230	96.05	-	-	86.27	35.28	6.76	32.26	100	340	A	V
		5351.43	53.78	-20.22	74	43.76	35.42	6.83	32.23	100	340	P	V
		5360.78	43.24	-10.76	54	33.18	35.44	6.85	32.23	100	340	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		10380	44.37	-29.63	74	53.53	38.2	9.81	57.17	100	0	P	H
		15570	45.29	-28.71	74	51.04	40.68	11.81	58.24	100	0	P	H
													H
													H
		10380	43.62	-30.38	74	52.78	38.2	9.81	57.17	100	0	P	V
		15570	45.88	-28.12	74	51.63	40.68	11.81	58.24	100	0	P	V
													V
802.11n HT40 CH 46 5230MHz		10460	43.76	-30.24	74	52.86	38.2	9.83	57.13	100	0	P	H
		15690	46.48	-27.52	74	52	40.83	11.8	58.15	100	0	P	H
													H
													H
		10460	43.99	-30.01	74	53.09	38.2	9.83	57.13	100	0	P	V
		15690	45.94	-28.06	74	51.46	40.83	11.8	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 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		5138.45	56.62	-17.38	74	47.04	35.16	6.71	32.29	100	319	P	H
		5139.5	45.38	-8.62	54	35.78	35.18	6.71	32.29	100	319	A	H
	*	5260	112.54	-	-	102.69	35.32	6.79	32.26	100	319	P	H
	*	5260	102.11	-	-	92.26	35.32	6.79	32.26	100	319	A	H
		5358.36	54.91	-19.09	74	44.87	35.42	6.85	32.23	100	319	P	H
		5360.01	44.03	-9.97	54	33.99	35.42	6.85	32.23	100	319	A	H
		5141.6	56.28	-17.72	74	46.67	35.18	6.72	32.29	100	31	P	V
		5144.45	45.23	-8.77	54	35.62	35.18	6.72	32.29	100	31	A	V
	*	5258	111.5	-	-	101.69	35.3	6.77	32.26	100	31	P	V
	*	5258	110.35	-	-	100.54	35.3	6.77	32.26	100	31	A	V
		5366.5	53.54	-20.46	74	43.48	35.44	6.85	32.23	100	31	P	V
		5350.11	43.71	-10.29	54	33.69	35.42	6.83	32.23	100	31	A	V
802.11a CH 60 5300MHz		5145.2	53.08	-20.92	74	43.47	35.18	6.72	32.29	102	331	P	H
		5149.55	42.71	-11.29	54	33.1	35.18	6.72	32.29	102	331	A	H
	*	5299	95.79	-	-	85.88	35.36	6.8	32.25	102	331	A	H
	*	5299	105.61	-	-	95.7	35.36	6.8	32.25	102	331	P	H
		5360.45	54.61	-19.39	74	44.57	35.42	6.85	32.23	102	331	P	H
		5351.54	43.6	-10.4	54	33.58	35.42	6.83	32.23	102	331	A	H
		5141.9	53.59	-20.41	74	43.98	35.18	6.72	32.29	108	350	P	V
		5149.25	42.85	-11.15	54	33.24	35.18	6.72	32.29	108	350	A	V
	*	5298	102.51	-	-	92.6	35.36	6.8	32.25	108	350	A	V
	*	5298	111.96	-	-	102.05	35.36	6.8	32.25	108	350	P	V
		5355.06	62.21	-11.79	74	52.19	35.42	6.83	32.23	108	350	P	V
		5350.66	48.87	-5.13	54	38.85	35.42	6.83	32.23	108	350	A	V



802.11a CH 64 5320MHz	*	5320	112.69	-	-	102.74	35.38	6.81	32.24	196	336	P	H
	*	5320	102.31	-	-	92.36	35.38	6.81	32.24	196	336	A	H
		5350.22	69.85	-4.15	74	59.83	35.42	6.83	32.23	196	336	P	H
		5354.73	50.65	-3.35	54	40.63	35.42	6.83	32.23	196	336	A	H
													H
													H
	*	5320	110.72	-	-	100.77	35.38	6.81	32.24	100	278	P	V
	*	5320	100.18	-	-	90.23	35.38	6.81	32.24	100	278	A	V
		5350	67.85	-6.15	74	57.83	35.42	6.83	32.23	100	278	P	V
		5350	49.04	-4.96	54	39.02	35.42	6.83	32.23	100	278	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	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		10520	43.23	-30.77	74	52.26	38.21	9.86	57.1	100	0	P	H	
		15780	46.35	-27.65	74	51.7	40.93	11.8	58.08	100	0	P	H	
													H	
													H	
		10520	43.16	-30.84	74	52.19	38.21	9.86	57.1	100	0	P	V	
		15780	46.5	-27.5	74	51.85	40.93	11.8	58.08	100	0	P	V	
														V
														V
802.11a CH 60 5300MHz		10600	43.12	-30.88	74	52.08	38.28	9.88	57.12	100	0	P	H	
		15900	47.52	-26.48	74	52.65	41.08	11.77	57.98	100	0	P	H	
													H	
													H	
		10600	43.04	-30.96	74	52	38.28	9.88	57.12	100	0	P	V	
		15900	45.74	-28.26	74	50.87	41.08	11.77	57.98	100	0	P	V	
														V
														V
802.11a CH 64 5320MHz		10640	42.34	-31.66	74	51.26	38.31	9.9	57.13	100	0	P	H	
		15960	45.4	-28.6	74	50.41	41.16	11.76	57.93	100	0	P	H	
													H	
													H	
		10640	42.41	-31.59	74	51.33	38.31	9.9	57.13	100	0	P	V	
		15960	45.2	-28.8	74	50.21	41.16	11.76	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5110.85	55.2	-18.8	74	45.67	35.14	6.69	32.3	100	325	P	H
		5150	44.41	-9.59	54	34.8	35.18	6.72	32.29	100	325	A	H
	*	5258	108.9	-	-	99.09	35.3	6.77	32.26	100	325	P	H
	*	5258	99.38	-	-	89.57	35.3	6.77	32.26	100	325	A	H
		5442.51	52.95	-21.05	74	42.72	35.52	6.92	32.21	100	325	P	H
		5359.46	42.97	-11.03	54	32.93	35.42	6.85	32.23	100	325	A	H
		5146.1	54.8	-19.2	74	45.19	35.18	6.72	32.29	100	1	P	V
		5143.85	43.71	-10.29	54	34.1	35.18	6.72	32.29	100	1	A	V
	*	5258	107.99	-	-	98.18	35.3	6.77	32.26	100	1	P	V
	*	5258	98.28	-	-	88.47	35.3	6.77	32.26	100	1	A	V
		5358.25	54.45	-19.55	74	44.41	35.42	6.85	32.23	100	1	P	V
		5360.12	43.14	-10.86	54	33.1	35.42	6.85	32.23	100	1	A	V
802.11n HT20 CH 60 5300MHz		5135.45	52.11	-21.89	74	42.53	35.16	6.71	32.29	110	74	P	H
		5143.1	42.08	-11.92	54	32.47	35.18	6.72	32.29	110	74	A	H
	*	5299	93.19	-	-	83.28	35.36	6.8	32.25	110	74	A	H
	*	5299	102.75	-	-	92.84	35.36	6.8	32.25	110	74	P	H
		5350.55	53.71	-20.29	74	43.69	35.42	6.83	32.23	110	74	P	H
		5350.44	43.25	-10.75	54	33.23	35.42	6.83	32.23	110	74	A	H
		5012.9	52.6	-21.4	74	43.27	35.02	6.64	32.33	120	350	P	V
		5149.4	42.86	-11.14	54	33.25	35.18	6.72	32.29	120	350	A	V
	*	5300	101.02	-	-	91.11	35.36	6.8	32.25	120	350	A	V
	*	5300	110.89	-	-	100.98	35.36	6.8	32.25	120	350	P	V
		5350.77	59.77	-14.23	74	49.75	35.42	6.83	32.23	120	350	P	V
		5350.55	47.72	-6.28	54	37.7	35.42	6.83	32.23	120	350	A	V



802.11n HT20 CH 64 5320MHz	*	5321	108.9	-	-	98.95	35.38	6.81	32.24	109	320	P	H
	*	5321	99.33	-	-	89.38	35.38	6.81	32.24	109	320	A	H
		5351.32	59.99	-14.01	74	49.97	35.42	6.83	32.23	109	320	P	H
		5352.86	47	-7	54	36.98	35.42	6.83	32.23	109	320	A	H
		5350.55	53.71	-20.29	74	43.69	35.42	6.83	32.23	110	74	P	H
		5350.44	43.25	-10.75	54	33.23	35.42	6.83	32.23	110	74	A	H
	*	5322	107.04	-	-	97.09	35.38	6.81	32.24	100	278	P	V
	*	5322	97.76	-	-	87.81	35.38	6.81	32.24	100	278	A	V
		5352.64	58.22	-15.78	74	48.2	35.42	6.83	32.23	100	278	P	V
		5350.33	46.05	-7.95	54	36.03	35.42	6.83	32.23	100	278	A	V
		5350.77	59.77	-14.23	74	49.75	35.42	6.83	32.23	120	350	P	V
		5350.55	47.72	-6.28	54	37.7	35.42	6.83	32.23	120	350	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		10520	43.3	-30.7	74	52.33	38.21	9.86	57.1	100	0	P	H
		15780	46.6	-27.4	74	51.95	40.93	11.8	58.08	100	0	P	H
													H
													H
		10520	43.73	-30.27	74	52.76	38.21	9.86	57.1	100	0	P	V
		15780	46.77	-27.23	74	52.12	40.93	11.8	58.08	100	0	P	V
													V
802.11n HT20 CH 60 5300MHz		10600	43.36	-30.64	74	52.32	38.28	9.88	57.12	100	0	P	H
		15900	46.64	-27.36	74	51.77	41.08	11.77	57.98	100	0	P	H
													H
													H
		10600	43.06	-30.94	74	52.02	38.28	9.88	57.12	100	0	P	V
		15900	46.27	-27.73	74	51.4	41.08	11.77	57.98	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10640	42.57	-31.43	74	51.49	38.31	9.9	57.13	100	0	P	H
		15960	45.42	-28.58	74	50.43	41.16	11.76	57.93	100	0	P	H
													H
													H
		10640	42.64	-31.36	74	51.56	38.31	9.9	57.13	100	0	P	V
		15960	46.55	-27.45	74	51.56	41.16	11.76	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		5136.5	54.63	-19.37	74	45.05	35.16	6.71	32.29	110	318	P	H
		5146.7	43.74	-10.26	54	34.13	35.18	6.72	32.29	110	318	A	H
	*	5270	106.85	-	-	97	35.32	6.79	32.26	110	318	P	H
	*	5270	96.62	-	-	86.77	35.32	6.79	32.26	110	318	A	H
		5356.49	56.27	-17.73	74	46.23	35.42	6.85	32.23	110	318	P	H
		5353.63	44.36	-9.64	54	34.34	35.42	6.83	32.23	110	318	A	H
		5146.85	54.5	-19.5	74	44.89	35.18	6.72	32.29	101	285	P	V
		5149.55	43.55	-10.45	54	33.94	35.18	6.72	32.29	101	285	A	V
	*	5270	107	-	-	97.15	35.32	6.79	32.26	101	285	P	V
	*	5270	97.32	-	-	87.47	35.32	6.79	32.26	101	285	A	V
		5365.62	56.35	-17.65	74	46.29	35.44	6.85	32.23	101	285	P	V
		5350.11	44.3	-9.7	54	34.28	35.42	6.83	32.23	101	285	A	V
802.11n HT40 CH 62 5310MHz		5105	53.34	-20.66	74	43.83	35.12	6.69	32.3	100	71	P	H
		5149.7	42.03	-11.97	54	32.42	35.18	6.72	32.29	100	71	A	H
	*	5310	103.27	-	-	93.32	35.38	6.81	32.24	100	71	P	H
	*	5310	93.19	-	-	83.24	35.38	6.81	32.24	100	71	A	H
		5352.86	70.86	-3.14	74	60.84	35.42	6.83	32.23	100	71	P	H
		5350	50.43	-3.57	54	40.41	35.42	6.83	32.23	100	71	A	H
		5096	53.01	-20.99	74	43.5	35.12	6.69	32.3	100	277	P	V
		5149.55	42.49	-11.51	54	32.88	35.18	6.72	32.29	100	277	A	V
	*	5310	106.42	-	-	96.47	35.38	6.81	32.24	100	277	P	V
	*	5310	96.43	-	-	86.48	35.38	6.81	32.24	100	277	A	V
		5351.87	71.29	-2.71	74	61.27	35.42	6.83	32.23	100	277	P	V
		5350	53.75	-0.25	54	43.73	35.42	6.83	32.23	100	277	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		10540	43.14	-30.86	74	52.16	38.23	9.86	57.11	100	0	P	H
		15810	46.33	-27.67	74	51.61	40.97	11.8	58.05	100	0	P	H
													H
													H
		10540	42.95	-31.05	74	51.97	38.23	9.86	57.11	100	0	P	V
		15810	45.84	-28.16	74	51.12	40.97	11.8	58.05	100	0	P	V
													V
802.11n HT40 CH 62 5310MHz		10620	42.22	-31.78	74	51.15	38.3	9.89	57.12	100	0	P	H
		15930	45.49	-28.51	74	50.57	41.12	11.76	57.96	100	0	P	H
													H
													H
		10620	42.86	-31.14	74	51.79	38.3	9.89	57.12	100	0	P	V
		15930	46.13	-27.87	74	51.21	41.12	11.76	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 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5469.84	71.41	-2.59	74	61.11	35.56	6.94	32.2	100	22	P	H	
		5468.24	52.97	-1.03	54	42.67	35.56	6.94	32.2	100	22	A	H	
	*	5499	115.4	-	-	105.03	35.6	6.96	32.19	100	22	P	H	
	*	5499	105.25	-	-	94.88	35.6	6.96	32.19	100	22	A	H	
													H	
													H	
			5467.44	67.23	-6.77	74	56.93	35.56	6.94	32.2	100	272	P	V
			5470	47.86	-6.14	54	37.56	35.56	6.94	32.2	100	272	A	V
	*		5501	106.32	-	-	95.93	35.6	6.98	32.19	100	272	P	V
	*		5501	96.97	-	-	86.58	35.6	6.98	32.19	100	272	A	V
													V	
													V	
802.11a CH 120 5600MHz		5455.12	53.51	-20.49	74	43.23	35.54	6.94	32.2	100	88	P	H	
		5451.12	43.23	-10.77	54	32.97	35.54	6.92	32.2	100	88	A	H	
	*	5601	97.3	-	-	86.72	35.68	7.06	32.16	100	88	A	H	
	*	5601	107.04	-	-	96.46	35.68	7.06	32.16	100	88	P	H	
			5757.24	54.74	-19.26	74	43.86	35.81	7.18	32.11	100	88	P	H
			5748.44	43.79	-10.21	54	32.93	35.79	7.18	32.11	100	88	A	H
			5462.8	57.57	-16.43	74	47.27	35.56	6.94	32.2	102	359	P	V
			5469.36	45.74	-8.26	54	35.44	35.56	6.94	32.2	102	359	A	V
	*		5599	107.71	-	-	97.13	35.68	7.06	32.16	102	359	A	V
	*		5599	117.66	-	-	107.08	35.68	7.06	32.16	102	359	P	V
			5729.32	60.3	-13.7	74	49.48	35.78	7.16	32.12	102	359	P	V
			5725	47.88	-6.12	54	37.06	35.78	7.16	32.12	102	359	A	V



802.11a CH 140 5700MHz	*	5699	113.46	-	-	102.69	35.75	7.15	32.13	100	1	P	H
	*	5699	103.77	-	-	93	35.75	7.15	32.13	100	1	A	H
		5726.52	70.89	-3.11	74	60.07	35.78	7.16	32.12	100	1	P	H
		5725.24	52.38	-1.62	54	41.56	35.78	7.16	32.12	100	1	A	H
													H
													H
	*	5701	103.42	-	-	92.62	35.77	7.15	32.12	100	343	P	V
	*	5701	93.86	-	-	83.06	35.77	7.15	32.12	100	343	A	V
		5725.32	62.62	-11.38	74	51.8	35.78	7.16	32.12	100	343	P	V
		5725	46.26	-7.74	54	35.44	35.78	7.16	32.12	100	343	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	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		11000	43.4	-30.6	74	51.92	38.6	10.08	57.2	100	0	P	H
		16500	45.58	-28.42	74	49.1	41.4	12.18	57.1	100	0	P	H
													H
													H
		11000	43.2	-30.8	74	51.72	38.6	10.08	57.2	100	0	P	V
		16500	45.82	-28.18	74	49.34	41.4	12.18	57.1	100	0	P	V
													V
													V
802.11a CH 120 5600MHz		11200	43.73	-30.27	74	51.87	38.76	10.18	57.08	100	0	P	H
		16800	46.5	-27.5	74	49.45	41.81	12.34	57.1	100	0	P	H
													H
													H
		11200	43.69	-30.31	74	51.83	38.76	10.18	57.08	100	0	P	V
		16800	46.99	-27.01	74	49.94	41.81	12.34	57.1	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	44.93	-29.07	74	52.69	38.92	10.28	56.96	100	0	P	H
		17100	47.77	-26.23	74	50.59	42.06	12.48	57.36	100	0	P	H
													H
													H
		11400	43.88	-30.12	74	51.64	38.92	10.28	56.96	100	0	P	V
		17100	47.09	-26.91	74	49.91	42.06	12.48	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 100 5500MHz		5469.52	71.8	-2.2	74	61.5	35.56	6.94	32.2	100	30	P	H	
		5469.68	53.59	-0.41	54	43.29	35.56	6.94	32.2	100	30	A	H	
	*	5500	115.43	-	-	105.04	35.6	6.98	32.19	100	30	P	H	
	*	5500	104.95	-	-	94.56	35.6	6.98	32.19	100	30	A	H	
													H	
													H	
			5469.2	68.18	-5.82	74	57.88	35.56	6.94	32.2	110	242	P	V
			5470	48.91	-5.09	54	38.61	35.56	6.94	32.2	110	242	A	V
	*		5500	108.01	-	-	97.62	35.6	6.98	32.19	110	242	P	V
	*		5500	98.25	-	-	87.86	35.6	6.98	32.19	110	242	A	V
														V
														V
802.11n HT20 CH 120 5600MHz		5432.72	52.95	-21.05	74	42.72	35.52	6.92	32.21	100	92	P	H	
		5458.32	43.07	-10.93	54	32.79	35.54	6.94	32.2	100	92	A	H	
	*	5601	96.94	-	-	86.36	35.68	7.06	32.16	100	92	A	H	
	*	5601	106.78	-	-	96.2	35.68	7.06	32.16	100	92	P	H	
			5754.2	54.33	-19.67	74	43.45	35.81	7.18	32.11	100	92	P	H
			5754.36	43.98	-10.02	54	33.1	35.81	7.18	32.11	100	92	A	H
			5453.52	58.43	-15.57	74	48.15	35.54	6.94	32.2	103	359	P	V
			5467.44	46.76	-7.24	54	36.46	35.56	6.94	32.2	103	359	A	V
	*		5600	107.34	-	-	96.76	35.68	7.06	32.16	103	359	A	V
	*		5600	117.03	-	-	106.45	35.68	7.06	32.16	103	359	P	V
			5728.04	58.52	-15.48	74	47.7	35.78	7.16	32.12	103	359	P	V
			5725.08	46.55	-7.45	54	35.73	35.78	7.16	32.12	103	359	A	V



802.11n HT20 CH 140 5700MHz	*	5700	113.2	-	-	102.43	35.75	7.15	32.13	100	2	P	H
	*	5700	103.79	-	-	93.02	35.75	7.15	32.13	100	2	A	H
		5725	67.05	-6.95	74	56.23	35.78	7.16	32.12	100	2	P	H
		5725	53.1	-0.9	54	42.28	35.78	7.16	32.12	100	2	A	H
		5754.2	54.33	-19.67	74	43.45	35.81	7.18	32.11	100	92	P	H
		5754.36	43.98	-10.02	54	33.1	35.81	7.18	32.11	100	92	A	H
	*	5700	104.83	-	-	94.06	35.75	7.15	32.13	100	49	P	V
	*	5700	95.6	-	-	84.83	35.75	7.15	32.13	100	49	A	V
		5725.08	60.95	-13.05	74	50.13	35.78	7.16	32.12	100	49	P	V
		5725.08	47.07	-6.93	54	36.25	35.78	7.16	32.12	100	49	A	V
		5728.04	58.52	-15.48	74	47.7	35.78	7.16	32.12	103	359	P	V
		5725.08	46.55	-7.45	54	35.73	35.78	7.16	32.12	103	359	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		11000	44.05	-29.95	74	52.57	38.6	10.08	57.2	100	0	P	H
		16500	45.8	-28.2	74	49.32	41.4	12.18	57.1	100	0	P	H
													H
													H
		11000	43.96	-30.04	74	52.48	38.6	10.08	57.2	100	0	P	V
		16500	45.56	-28.44	74	49.08	41.4	12.18	57.1	100	0	P	V
													V
802.11n HT20 CH 120 5600MHz		11200	43.13	-30.87	74	51.27	38.76	10.18	57.08	100	0	P	H
		16800	46.87	-27.13	74	49.82	41.81	12.34	57.1	100	0	P	H
													H
													H
		11200	43.51	-30.49	74	51.65	38.76	10.18	57.08	100	0	P	V
		16800	46.16	-27.84	74	49.11	41.81	12.34	57.1	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	45.14	-28.86	74	52.9	38.92	10.28	56.96	100	0	P	H
		17100	47.84	-26.16	74	50.66	42.06	12.48	57.36	100	0	P	H
													H
													H
		11400	44.24	-29.76	74	52	38.92	10.28	56.96	100	0	P	V
		17100	47.24	-26.76	74	50.06	42.06	12.48	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		5469.68	68.33	-5.67	74	58.03	35.56	6.94	32.2	100	29	P	H
		5470	52.54	-1.46	54	42.24	35.56	6.94	32.2	100	29	A	H
	*	5510	107.26	-	-	96.87	35.6	6.98	32.19	100	29	P	H
	*	5510	97.26	-	-	86.87	35.6	6.98	32.19	100	29	A	H
		5746.84	54.61	-19.39	74	43.75	35.79	7.18	32.11	100	29	P	H
		5725.32	43.91	-10.09	54	33.09	35.78	7.16	32.12	100	29	A	H
		5470	68.08	-5.92	74	57.78	35.56	6.94	32.2	109	268	P	V
		5470	49.87	-4.13	54	39.57	35.56	6.94	32.2	109	268	A	V
	*	5510	103.16	-	-	92.77	35.6	6.98	32.19	109	268	P	V
	*	5510	93.17	-	-	82.78	35.6	6.98	32.19	109	268	A	V
		5738.6	53.15	-20.85	74	42.31	35.79	7.16	32.11	109	268	P	V
		5738.76	43.15	-10.85	54	32.31	35.79	7.16	32.11	109	268	A	V
802.11n HT40 CH 118 5590MHz		5469.04	55.62	-18.38	74	45.32	35.56	6.94	32.2	100	356	P	H
		5469.52	44.91	-9.09	54	34.61	35.56	6.94	32.2	100	356	A	H
	*	5590	111.16	-	-	100.61	35.67	7.04	32.16	100	356	P	H
	*	5590	101.38	-	-	90.83	35.67	7.04	32.16	100	356	A	H
		5732.52	58.25	-15.75	74	47.43	35.78	7.16	32.12	100	356	P	H
		5739.48	46.19	-7.81	54	35.35	35.79	7.16	32.11	100	356	A	H
		5451.28	53.83	-20.17	74	43.57	35.54	6.92	32.2	109	295	P	V
		5468.88	43.52	-10.48	54	33.22	35.56	6.94	32.2	109	295	A	V
	*	5590	101.08	-	-	90.53	35.67	7.04	32.16	109	295	P	V
	*	5590	91.06	-	-	80.51	35.67	7.04	32.16	109	295	A	V
		5745.32	53.67	-20.33	74	42.81	35.79	7.18	32.11	109	295	P	V
		5745.56	43.39	-10.61	54	32.53	35.79	7.18	32.11	109	295	A	V



802.11n HT40 CH 134 5670MHz		5459.76	54.86	-19.14	74	44.58	35.54	6.94	32.2	100	354	P	H
		5460.08	45.28	-8.72	54	35	35.54	6.94	32.2	100	354	A	H
	*	5668	110.75	-	-	100.04	35.74	7.1	32.13	100	354	P	H
	*	5668	100.82	-	-	90.11	35.74	7.1	32.13	100	354	A	H
		5727.16	61.85	-12.15	74	51.03	35.78	7.16	32.12	100	354	P	H
		5725.08	48.66	-5.34	54	37.84	35.78	7.16	32.12	100	354	A	H
		5391.92	52.1	-21.9	74	41.98	35.46	6.88	32.22	102	340	P	V
		5456.4	42.42	-11.58	54	32.14	35.54	6.94	32.2	102	340	A	V
	*	5672	101.79	-	-	91.05	35.74	7.13	32.13	102	340	P	V
	*	5672	91.59	-	-	80.85	35.74	7.13	32.13	102	340	A	V
		5726.44	56.07	-17.93	74	45.25	35.78	7.16	32.12	102	340	P	V
		5725.08	44.87	-9.13	54	34.05	35.78	7.16	32.12	102	340	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	44.37	-29.63	74	52.86	38.61	10.09	57.19	100	0	P	H
		16530	45.35	-28.65	74	48.8	41.45	12.2	57.1	100	0	P	H
													H
													H
		11020	43.72	-30.28	74	52.21	38.61	10.09	57.19	100	0	P	V
		16530	46.55	-27.45	74	50	41.45	12.2	57.1	100	0	P	V
													V
802.11n HT40 CH 118 5590MHz		11180	44.11	-29.89	74	52.29	38.75	10.16	57.09	100	0	P	H
		16770	46.41	-27.59	74	49.39	41.79	12.33	57.1	100	0	P	H
													H
													H
		11180	43.83	-30.17	74	52.01	38.75	10.16	57.09	100	0	P	V
		16770	46.33	-27.67	74	49.31	41.79	12.33	57.1	100	0	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	43.52	-30.48	74	51.4	38.87	10.25	57	100	0	P	H
		17010	47.32	-26.68	74	49.93	42.09	12.44	57.14	100	0	P	H
													H
													H
		11340	43.42	-30.58	74	51.3	38.87	10.25	57	100	0	P	V
		17010	46.8	-27.2	74	49.41	42.09	12.44	57.14	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 802.11a (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		91.02	30.12	-13.38	43.5	51.97	8.88	1.05	31.78			P	H
	!	243.3	41.35	-4.65	46	59.8	11.7	1.62	31.77	135	208	P	H
	!	253.02	40.13	-5.87	46	57.4	12.85	1.65	31.77			P	H
		325.9	34.13	-11.87	46	50.42	13.64	1.84	31.77			P	H
		342	33.16	-12.84	46	48.9	14.16	1.88	31.78			P	H
		731.9	31.26	-14.74	46	38.59	21.96	2.71	32			P	H
													H
													H
													H
													H
													H
													H
	!	30.54	36.12	-3.88	40	48.85	18.38	0.71	31.82	147	258	P	V
		240.06	37.12	-8.88	46	55.88	11.4	1.61	31.77			P	V
		249.78	38.94	-7.06	46	56.67	12.4	1.64	31.77			P	V
		323.1	31.64	-14.36	46	48.05	13.52	1.84	31.77			P	V
		675.9	33.2	-12.8	46	42.27	20.36	2.61	32.04			P	V
		731.9	36.59	-9.41	46	43.92	21.96	2.71	32			P	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

- 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”.