



Appendix B. Radiated Spurious Emission

Test Engineer :	JC Liang and Nick Yu	Temperature :	20~23°C
		Relative Humidity :	58~63%

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.		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 36 5180MHz		5147.42	50.58	-23.42	74	40.66	32.21	11.18	33.47	240	346	P	H	
		5127.92	42.54	-11.46	54	32.63	32.19	11.19	33.47	240	346	A	H	
	*	5180	102.8	-	-	92.83	32.26	11.18	33.47	240	346	P	H	
	*	5180	92.91	-	-	82.94	32.26	11.18	33.47	240	346	A	H	
													H	
													H	
			5028.6	51.03	-22.97	74	41.23	32.05	11.22	33.47	179	211	P	V
			5127.92	44.3	-9.7	54	34.39	32.19	11.19	33.47	179	211	A	V
	*		5180	104.96	-	-	94.99	32.26	11.18	33.47	179	211	P	V
	*		5180	95.77	-	-	85.8	32.26	11.18	33.47	179	211	A	V
													V	
													V	
802.11a CH 44 5220MHz		5118.04	50.14	-23.86	74	40.26	32.16	11.19	33.47	236	347	P	H	
		5041.6	41.46	-12.54	54	31.64	32.07	11.22	33.47	236	347	A	H	
	*	5220	103.39	-	-	93.39	32.3	11.17	33.47	236	347	P	H	
	*	5220	93.66	-	-	83.66	32.3	11.17	33.47	236	347	A	H	
			5407.68	49.93	-24.07	74	39.54	32.56	11.31	33.48	236	347	P	H
			5451.36	41.01	-12.99	54	30.52	32.63	11.34	33.48	236	347	A	H
			5104	51.11	-22.89	74	41.25	32.14	11.19	33.47	176	215	P	V
			5038.22	41.5	-12.5	54	31.68	32.07	11.22	33.47	176	215	A	V
	*		5218	104.17	-	-	94.17	32.3	11.17	33.47	176	215	P	V
	*		5218	94.94	-	-	84.94	32.3	11.17	33.47	176	215	A	V
			5437.92	50.49	-23.51	74	40.02	32.61	11.34	33.48	176	215	P	V
			5455.92	40.85	-13.15	54	30.36	32.63	11.34	33.48	176	215	A	V



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 48 5240MHz		5109.72	50.35	-23.65	74	40.47	32.16	11.19	33.47	247	348	P	H
		5038.22	41.47	-12.53	54	31.65	32.07	11.22	33.47	247	348	A	H
	*	5240	103.12	-	-	93.07	32.33	11.19	33.47	247	348	P	H
	*	5240	93.17	-	-	83.12	32.33	11.19	33.47	247	348	A	H
		5455.2	49.05	-24.95	74	38.56	32.63	11.34	33.48	247	348	P	H
		5453.76	40.94	-13.06	54	30.45	32.63	11.34	33.48	247	348	A	H
		5008.58	49.75	-24.25	74	39.96	32.02	11.24	33.47	181	215	P	V
		5011.7	41.44	-12.56	54	31.65	32.02	11.24	33.47	181	215	A	V
	*	5240	104.81	-	-	94.76	32.33	11.19	33.47	181	215	P	V
	*	5240	94.97	-	-	84.92	32.33	11.19	33.47	181	215	A	V
		5449.68	49.37	-24.63	74	38.88	32.63	11.34	33.48	181	215	P	V
		5456.16	40.94	-13.06	54	30.45	32.63	11.34	33.48	181	215	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	41	-33	74	37.22	39.84	15.02	51.08	100	0	P	H
		15540	41.41	-32.59	74	36.84	38.21	18.16	51.8	100	0	P	H
													H
													H
		10360	40.92	-33.08	74	37.14	39.84	15.02	51.08	100	0	P	V
		15540	40.16	-33.84	74	35.59	38.21	18.16	51.8	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	41.31	-32.69	74	37.47	39.92	15.08	51.16	100	0	P	H
		15660	39.91	-34.09	74	35.25	38.23	18.23	51.8	100	0	P	H
													H
													H
		10440	41.89	-32.11	74	38.05	39.92	15.08	51.16	100	0	P	V
		15660	40.84	-33.16	74	36.18	38.23	18.23	51.8	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	40.62	-33.38	74	36.73	39.98	15.11	51.2	100	0	P	H
		15720	40.25	-33.75	74	35.53	38.24	18.28	51.8	100	0	P	H
													H
													H
		10480	40.91	-33.09	74	37.02	39.98	15.11	51.2	100	0	P	V
		15720	40.82	-33.18	74	36.1	38.24	18.28	51.8	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		5073.58	50.34	-23.66	74	40.48	32.12	11.21	33.47	242	347	P	H	
		5128.44	42.45	-11.55	54	32.54	32.19	11.19	33.47	242	347	A	H	
	*	5180	102.21	-	-	92.24	32.26	11.18	33.47	242	347	P	H	
	*	5180	92.96	-	-	82.99	32.26	11.18	33.47	242	347	A	H	
													H	
														H
			5127.4	52.07	-21.93	74	42.16	32.19	11.19	33.47	203	215	P	V
			5128.44	44.45	-9.55	54	34.54	32.19	11.19	33.47	203	215	A	V
		*	5180	104.73	-	-	94.76	32.26	11.18	33.47	203	215	P	V
		*	5180	95.54	-	-	85.57	32.26	11.18	33.47	203	215	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5019.5	50.49	-23.51	74	40.7	32.02	11.24	33.47	236	345	P	H	
		5033.02	40.64	-13.36	54	30.84	32.05	11.22	33.47	236	345	A	H	
	*	5220	102.97	-	-	92.97	32.3	11.17	33.47	236	345	P	H	
	*	5220	93.75	-	-	83.75	32.3	11.17	33.47	236	345	A	H	
			5384.64	48.83	-25.17	74	38.46	32.54	11.31	33.48	236	345	P	H
			5458.32	40.14	-13.86	54	29.65	32.63	11.34	33.48	236	345	A	H
			5026	50.5	-23.5	74	40.7	32.05	11.22	33.47	173	212	P	V
			5036.4	40.76	-13.24	54	30.96	32.05	11.22	33.47	173	212	A	V
		*	5220	105.8	-	-	95.8	32.3	11.17	33.47	173	212	P	V
		*	5220	95.89	-	-	85.89	32.3	11.17	33.47	173	212	A	V
		5458.56	49.25	-24.75	74	38.76	32.63	11.34	33.48	173	212	P	V	
		5460	40.13	-13.87	54	29.64	32.63	11.34	33.48	173	212	A	V	



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 48 5240MHz		5067.6	50.79	-23.21	74	40.96	32.09	11.21	33.47	234	350	P	H
		5045.24	40.66	-13.34	54	30.84	32.07	11.22	33.47	234	350	A	H
	*	5240	102.44	-	-	92.39	32.33	11.19	33.47	234	350	P	H
	*	5240	93.84	-	-	83.79	32.33	11.19	33.47	234	350	A	H
		5367.6	49.13	-24.87	74	38.82	32.51	11.28	33.48	234	350	P	H
		5458.32	40.13	-13.87	54	29.64	32.63	11.34	33.48	234	350	A	H
		5026.26	51.47	-22.53	74	41.67	32.05	11.22	33.47	178	214	P	V
		5042.12	40.69	-13.31	54	30.87	32.07	11.22	33.47	178	214	A	V
	*	5240	104.81	-	-	94.76	32.33	11.19	33.47	178	214	P	V
	*	5240	95.28	-	-	85.23	32.33	11.19	33.47	178	214	A	V
		5459.28	49.34	-24.66	74	38.85	32.63	11.34	33.48	178	214	P	V
		5459.76	40.11	-13.89	54	29.62	32.63	11.34	33.48	178	214	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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	41.01	-32.99	74	37.23	39.84	15.02	51.08	100	0	P	H
		15540	40.5	-33.5	74	35.93	38.21	18.16	51.8	100	0	P	H
													H
													H
		10360	40.91	-33.09	74	37.13	39.84	15.02	51.08	100	0	P	V
		15540	41.1	-32.9	74	36.53	38.21	18.16	51.8	100	0	P	V
													V
802.11n HT20 CH 44 5220MHz		10440	40.25	-33.75	74	36.41	39.92	15.08	51.16	100	0	P	H
		15660	40.6	-33.4	74	35.94	38.23	18.23	51.8	100	0	P	H
													H
													H
		10440	41.36	-32.64	74	37.52	39.92	15.08	51.16	100	0	P	V
		15660	40.12	-33.88	74	35.46	38.23	18.23	51.8	100	0	P	V
													V
802.11n HT20 CH 48 5240MHz		10480	41.23	-32.77	74	37.34	39.98	15.11	51.2	100	0	P	H
		15720	40.37	-33.63	74	35.65	38.24	18.28	51.8	100	0	P	H
													H
													H
		10480	40.82	-33.18	74	36.93	39.98	15.11	51.2	100	0	P	V
		15720	39.89	-34.11	74	35.17	38.24	18.28	51.8	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		5046.02	51.32	-22.68	74	41.5	32.07	11.22	33.47	129	360	P	H
		5149.76	42.01	-11.99	54	32.09	32.21	11.18	33.47	129	360	A	H
	*	5190	98.39	-	-	88.43	32.26	11.17	33.47	129	360	P	H
	*	5190	89.26	-	-	79.3	32.26	11.17	33.47	129	360	A	H
		5442.72	50.32	-23.68	74	39.85	32.61	11.34	33.48	129	360	P	H
		5458.32	40.82	-13.18	54	30.33	32.63	11.34	33.48	129	360	A	H
		5130.26	50.13	-23.87	74	40.22	32.19	11.19	33.47	146	209	P	V
		5150	42.8	-11.2	54	32.88	32.21	11.18	33.47	146	209	A	V
	*	5190	100.91	-	-	90.95	32.26	11.17	33.47	146	209	P	V
	*	5190	91.77	-	-	81.81	32.26	11.17	33.47	146	209	A	V
		5400.96	49.91	-24.09	74	39.52	32.56	11.31	33.48	146	209	P	V
		5431.92	40.84	-13.16	54	30.37	32.61	11.34	33.48	146	209	A	V
802.11n HT40 CH 46 5230MHz		5061.1	50.47	-23.53	74	40.64	32.09	11.21	33.47	137	360	P	H
		5092.3	41.46	-12.54	54	31.58	32.14	11.21	33.47	137	360	A	H
	*	5230	97.63	-	-	87.58	32.33	11.19	33.47	137	360	P	H
	*	5230	88.98	-	-	78.93	32.33	11.19	33.47	137	360	A	H
		5436.24	49.2	-24.8	74	38.73	32.61	11.34	33.48	137	360	P	H
		5458.8	40.85	-13.15	54	30.36	32.63	11.34	33.48	137	360	A	H
		5126.62	51.12	-22.88	74	41.21	32.19	11.19	33.47	174	212	P	V
		5124.54	41.75	-12.25	54	31.84	32.19	11.19	33.47	174	212	A	V
	*	5230	99.55	-	-	89.5	32.33	11.19	33.47	174	212	P	V
	*	5230	91.16	-	-	81.11	32.33	11.19	33.47	174	212	A	V
	5417.04	49.17	-24.83	74	38.76	32.58	11.31	33.48	174	212	P	V	
	5454.96	40.9	-13.1	54	30.41	32.63	11.34	33.48	174	212	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	41.14	-32.86	74	37.38	39.86	15.02	51.12	100	0	P	H
		15570	40.15	-33.85	74	35.55	38.21	18.19	51.8	100	0	P	H
													H
													H
		10380	40.72	-33.28	74	36.96	39.86	15.02	51.12	100	0	P	V
		15570	41.28	-32.72	74	36.68	38.21	18.19	51.8	100	0	P	V
													V
802.11n HT40 CH 46 5230MHz		10460	41.72	-32.28	74	37.9	39.94	15.08	51.2	100	0	P	H
		15690	41.32	-32.68	74	36.62	38.24	18.26	51.8	100	0	P	H
													H
													H
		10460	40.58	-33.42	74	36.76	39.94	15.08	51.2	100	0	P	V
		15690	40.95	-33.05	74	36.25	38.24	18.26	51.8	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		5121.16	50.85	-23.15	74	40.97	32.16	11.19	33.47	193	302	P	H
		5149.24	44.86	-9.14	54	34.94	32.21	11.18	33.47	193	302	A	H
	*	5210	95.33	-	-	85.33	32.3	11.17	33.47	193	302	P	H
	*	5210	88.12	-	-	78.12	32.3	11.17	33.47	193	302	A	H
		5425.2	50.07	-23.93	74	39.63	32.58	11.34	33.48	193	302	P	H
		5439.6	42.89	-11.11	54	32.42	32.61	11.34	33.48	193	302	A	H
		5144.56	51.38	-22.62	74	41.46	32.21	11.18	33.47	201	62	P	V
		5144.82	44.67	-9.33	54	34.75	32.21	11.18	33.47	201	62	A	V
	*	5210	95.7	-	-	85.7	32.3	11.17	33.47	201	62	P	V
	*	5210	88.24	-	-	78.24	32.3	11.17	33.47	201	62	A	V
		5408.16	50.73	-23.27	74	40.34	32.56	11.31	33.48	201	62	P	V
	5420.64	42.42	-11.58	54	31.98	32.58	11.34	33.48	201	62	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	40.46	-33.54	74	36.67	39.9	15.05	51.16	100	0	P	H	
		15630	39.98	-34.02	74	35.32	38.23	18.23	51.8	100	0	P	H	
													H	
													H	
			10420	42.36	-31.64	74	38.57	39.9	15.05	51.16	100	0	P	V
			15630	39.37	-34.63	74	34.71	38.23	18.23	51.8	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5122.2	50.68	-23.32	74	40.8	32.16	11.19	33.47	208	352	P	H
		5087.88	41.46	-12.54	54	31.6	32.12	11.21	33.47	208	352	A	H
	*	5260	103.35	-	-	93.27	32.37	11.19	33.48	208	352	P	H
	*	5260	93.45	-	-	83.37	32.37	11.19	33.48	208	352	A	H
		5430.24	49.08	-24.92	74	38.61	32.61	11.34	33.48	208	352	P	H
		5457.36	40.87	-13.13	54	30.38	32.63	11.34	33.48	208	352	A	H
		5038.22	50.25	-23.75	74	40.43	32.07	11.22	33.47	189	215	P	V
		5047.58	41.45	-12.55	54	31.63	32.07	11.22	33.47	189	215	A	V
	*	5260	104.17	-	-	94.09	32.37	11.19	33.48	189	215	P	V
	*	5260	94.35	-	-	84.27	32.37	11.19	33.48	189	215	A	V
		5409.6	48.96	-25.04	74	38.57	32.56	11.31	33.48	189	215	P	V
		5460	40.84	-13.16	54	30.35	32.63	11.34	33.48	189	215	A	V
802.11a CH 60 5300MHz		5046.8	50.69	-23.31	74	40.87	32.07	11.22	33.47	212	350	P	H
		5060.06	41.37	-12.63	54	31.54	32.09	11.21	33.47	212	350	A	H
	*	5300	103.71	-	-	93.55	32.42	11.22	33.48	212	350	P	H
	*	5300	94.29	-	-	84.13	32.42	11.22	33.48	212	350	A	H
		5457.12	50.2	-23.8	74	39.71	32.63	11.34	33.48	212	350	P	H
		5352.24	41.95	-12.05	54	31.66	32.49	11.28	33.48	212	350	A	H
		5025.74	50.44	-23.56	74	40.64	32.05	11.22	33.47	169	206	P	V
		5063.18	41.47	-12.53	54	31.64	32.09	11.21	33.47	169	206	A	V
	*	5300	104.05	-	-	93.89	32.42	11.22	33.48	169	206	P	V
	*	5300	94.86	-	-	84.7	32.42	11.22	33.48	169	206	A	V
		5405.52	49.86	-24.14	74	39.47	32.56	11.31	33.48	169	206	P	V
		5352.24	42.12	-11.88	54	31.83	32.49	11.28	33.48	169	206	A	V



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 64 5320MHz	*	5320	104.02	-	-	93.81	32.44	11.25	33.48	100	359	P	H	
	*	5320	94.33	-	-	84.12	32.44	11.25	33.48	100	359	A	H	
		5421.6	49.34	-24.66	74	38.9	32.58	11.34	33.48	100	359	P	H	
		5372.32	42.45	-11.55	54	32.14	32.51	11.28	33.48	100	359	A	H	
													H	
													H	
	*	5320	104.02	-	-	93.81	32.44	11.25	33.48	184	218	P	V	
	*	5320	94.79	-	-	84.58	32.44	11.25	33.48	184	218	A	V	
		5404.8	49.6	-24.4	74	39.21	32.56	11.31	33.48	184	218	P	V	
		5372	42.28	-11.72	54	31.97	32.51	11.28	33.48	184	218	A	V	
													V	
													V	
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	41.77	-32.23	74	37.89	39.99	15.13	51.24	100	0	P	H
		15780	39.27	-34.73	74	34.51	38.26	18.3	51.8	100	0	P	H
													H
													H
		10520	41.01	-32.99	74	37.13	39.99	15.13	51.24	100	0	P	V
		15780	40.99	-33.01	74	36.23	38.26	18.3	51.8	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	40.12	-33.88	74	36.22	39.92	15.19	51.21	100	0	P	H
		15900	40.7	-33.3	74	35.85	38.28	18.37	51.8	100	0	P	H
													H
													H
		10600	40.25	-33.75	74	36.35	39.92	15.19	51.21	100	0	P	V
		15900	39.17	-34.83	74	34.32	38.28	18.37	51.8	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	40.32	-33.68	74	36.4	39.89	15.22	51.19	100	0	P	H
		15960	39.67	-34.33	74	34.76	38.29	18.42	51.8	100	0	P	H
													H
													H
		10640	40.51	-33.49	74	36.59	39.89	15.22	51.19	100	0	P	V
		15960	40.57	-33.43	74	35.66	38.29	18.42	51.8	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		5102.7	50.6	-23.4	74	40.74	32.14	11.19	33.47	173	355	P	H
		5045.24	40.62	-13.38	54	30.8	32.07	11.22	33.47	173	355	A	H
	*	5260	100.42	-	-	90.34	32.37	11.19	33.48	173	355	P	H
	*	5260	91.73	-	-	81.65	32.37	11.19	33.48	173	355	A	H
		5356.32	48.63	-25.37	74	38.34	32.49	11.28	33.48	173	355	P	H
		5459.04	40.11	-13.89	54	29.62	32.63	11.34	33.48	173	355	A	H
		5070.46	51.65	-22.35	74	41.82	32.09	11.21	33.47	165	216	P	V
		5036.92	40.69	-13.31	54	30.89	32.05	11.22	33.47	165	216	A	V
	*	5260	102.4	-	-	92.32	32.37	11.19	33.48	165	216	P	V
	*	5260	93.96	-	-	83.88	32.37	11.19	33.48	165	216	A	V
		5427.12	48.85	-25.15	74	38.41	32.58	11.34	33.48	165	216	P	V
		5459.04	40.15	-13.85	54	29.66	32.63	11.34	33.48	165	216	A	V
802.11n HT20 CH 60 5300MHz		5099.58	51.49	-22.51	74	41.61	32.14	11.21	33.47	213	351	P	H
		5034.84	40.57	-13.43	54	30.77	32.05	11.22	33.47	213	351	A	H
	*	5300	102.25	-	-	92.09	32.42	11.22	33.48	213	351	P	H
	*	5300	93.58	-	-	83.42	32.42	11.22	33.48	213	351	A	H
		5394.72	49.24	-24.76	74	38.85	32.56	11.31	33.48	213	351	P	H
		5351.52	42.12	-11.88	54	31.83	32.49	11.28	33.48	213	351	A	H
		5117	50.9	-23.1	74	41.02	32.16	11.19	33.47	158	216	P	V
		5028.34	40.6	-13.4	54	30.8	32.05	11.22	33.47	158	216	A	V
	*	5300	101.83	-	-	91.67	32.42	11.22	33.48	158	216	P	V
	*	5300	93.6	-	-	83.44	32.42	11.22	33.48	158	216	A	V
	5415.84	50.14	-23.86	74	39.73	32.58	11.31	33.48	158	216	P	V	
	5351.76	41.97	-12.03	54	31.68	32.49	11.28	33.48	158	216	A	V	



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 64 5320MHz	*	5320	101.16	-	-	90.95	32.44	11.25	33.48	151	355	P	H
	*	5320	92.53	-	-	82.32	32.44	11.25	33.48	151	355	A	H
		5407.36	49.33	-24.67	74	38.94	32.56	11.31	33.48	151	355	P	H
		5371.68	42.21	-11.79	54	31.9	32.51	11.28	33.48	151	355	A	H
													H
													H
	*	5320	103.21	-	-	93	32.44	11.25	33.48	159	214	P	V
	*	5320	94.06	-	-	83.85	32.44	11.25	33.48	159	214	A	V
		5425.28	50.45	-23.55	74	40.01	32.58	11.34	33.48	159	214	P	V
		5371.52	42.26	-11.74	54	31.95	32.51	11.28	33.48	159	214	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	41.57	-32.43	74	37.69	39.99	15.13	51.24	100	0	P	H
		15780	40.66	-33.34	74	35.9	38.26	18.3	51.8	100	0	P	H
													H
													H
		10520	40.82	-33.18	74	36.94	39.99	15.13	51.24	100	0	P	V
		15780	39.63	-34.37	74	34.87	38.26	18.3	51.8	100	0	P	V
													V
802.11n HT20 CH 60 5300MHz		10600	40.86	-33.14	74	36.96	39.92	15.19	51.21	100	0	P	H
		15900	39.58	-34.42	74	34.73	38.28	18.37	51.8	100	0	P	H
													H
													H
		10600	40.07	-33.93	74	36.17	39.92	15.19	51.21	100	0	P	V
		15900	39.55	-34.45	74	34.7	38.28	18.37	51.8	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10640	40.09	-33.91	74	36.17	39.89	15.22	51.19	100	0	P	H
		15960	39.78	-34.22	74	34.87	38.29	18.42	51.8	100	0	P	H
													H
													H
		10640	40.94	-33.06	74	37.02	39.89	15.22	51.19	100	0	P	V
		15960	39.85	-34.15	74	34.94	38.29	18.42	51.8	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		5109.2	50.67	-23.33	74	40.79	32.16	11.19	33.47	159	354	P	H
		5042.38	41.59	-12.41	54	31.77	32.07	11.22	33.47	159	354	A	H
	*	5270	98.69	-	-	88.58	32.37	11.22	33.48	159	354	P	H
	*	5270	89.53	-	-	79.42	32.37	11.22	33.48	159	354	A	H
		5398.56	48.68	-25.32	74	38.29	32.56	11.31	33.48	159	354	P	H
		5438.16	40.88	-13.12	54	30.41	32.61	11.34	33.48	159	354	A	H
		5008.84	50.09	-23.91	74	40.3	32.02	11.24	33.47	165	216	P	V
		5082.16	41.62	-12.38	54	31.76	32.12	11.21	33.47	165	216	A	V
	*	5270	99.55	-	-	89.44	32.37	11.22	33.48	165	216	P	V
	*	5270	91.1	-	-	80.99	32.37	11.22	33.48	165	216	A	V
		5429.76	49.28	-24.72	74	38.81	32.61	11.34	33.48	165	216	P	V
		5459.04	40.98	-13.02	54	30.49	32.63	11.34	33.48	165	216	A	V
802.11n HT40 CH 62 5310MHz		5137.54	50.03	-23.97	74	40.12	32.19	11.19	33.47	163	354	P	H
		5089.96	41.51	-12.49	54	31.63	32.14	11.21	33.47	163	354	A	H
	*	5310	99.51	-	-	89.3	32.44	11.25	33.48	163	354	P	H
	*	5310	91	-	-	80.79	32.44	11.25	33.48	163	354	A	H
		5453.04	49.08	-24.92	74	38.59	32.63	11.34	33.48	163	354	P	H
		5350.32	41.25	-12.75	54	30.96	32.49	11.28	33.48	163	354	A	H
		5007.54	50.94	-23.06	74	41.15	32.02	11.24	33.47	167	215	P	V
		5022.36	41.56	-12.44	54	31.76	32.05	11.22	33.47	167	215	A	V
	*	5310	100.39	-	-	90.18	32.44	11.25	33.48	167	215	P	V
	*	5310	91.24	-	-	81.03	32.44	11.25	33.48	167	215	A	V
	5429.76	50.49	-23.51	74	40.02	32.61	11.34	33.48	167	215	P	V	
	5350.32	41.07	-12.93	54	30.78	32.49	11.28	33.48	167	215	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	40.29	-33.71	74	36.41	39.97	15.13	51.22	100	0	P	H
		15810	40.04	-33.96	74	35.25	38.26	18.33	51.8	100	0	P	H
													H
													H
		10540	41.39	-32.61	74	37.51	39.97	15.13	51.22	100	0	P	V
		15810	39.63	-34.37	74	34.84	38.26	18.33	51.8	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	40.87	-33.13	74	36.97	39.9	15.19	51.19	100	0	P	H
		15930	41.15	-32.85	74	36.26	38.29	18.4	51.8	100	0	P	H
													H
													H
		10620	39.55	-34.45	74	35.65	39.9	15.19	51.19	100	0	P	V
		15930	40.05	-33.95	74	35.16	38.29	18.4	51.8	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)
802.11ac VHT80 CH 58 5290MHz		5021.84	50.68	-23.32	74	40.88	32.05	11.22	33.47	205	328	P	H
		5015.34	43.78	-10.22	54	33.99	32.02	11.24	33.47	205	328	A	H
	*	5290	96.63	-	-	86.49	32.4	11.22	33.48	205	328	P	H
	*	5290	89.02	-	-	78.88	32.4	11.22	33.48	205	328	A	H
		5436.48	49.27	-24.73	74	38.8	32.61	11.34	33.48	205	328	P	H
		5351.28	43.16	-10.84	54	32.87	32.49	11.28	33.48	205	328	A	H
		5068.12	50.52	-23.48	74	40.69	32.09	11.21	33.47	207	62	P	V
		5051.48	43.85	-10.15	54	34.03	32.07	11.22	33.47	207	62	A	V
	*	5290	96.91	-	-	86.77	32.4	11.22	33.48	207	62	P	V
	*	5290	89.36	-	-	79.22	32.4	11.22	33.48	207	62	A	V
		5351.28	50.07	-23.93	74	39.78	32.49	11.28	33.48	207	62	P	V
		5358	43.33	-10.67	54	33.04	32.49	11.28	33.48	207	62	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	41.57	-32.43	74	37.69	39.93	15.16	51.21	100	0	P	H	
		15870	40.15	-33.85	74	35.3	38.28	18.37	51.8	100	0	P	H	
													H	
													H	
			10580	41.79	-32.21	74	37.91	39.93	15.16	51.21	100	0	P	V
			15870	41.5	-32.5	74	36.65	38.28	18.37	51.8	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		5448.08	50.54	-23.46	74	40.05	32.63	11.34	33.48	226	337	P	H	
		5447.76	42.98	-11.02	54	32.49	32.63	11.34	33.48	226	337	A	H	
	*	5500	103.74	-	-	93.14	32.7	11.38	33.48	226	337	P	H	
	*	5500	94.25	-	-	83.65	32.7	11.38	33.48	226	337	A	H	
													H	
														H
			5448.24	50.03	-23.97	74	39.54	32.63	11.34	33.48	226	47	P	V
			5447.76	42.51	-11.49	54	32.02	32.63	11.34	33.48	226	47	A	V
	*		5500	102.58	-	-	91.98	32.7	11.38	33.48	226	47	P	V
	*		5500	94.11	-	-	83.51	32.7	11.38	33.48	226	47	A	V
														V
														V
802.11a CH 116 5580MHz		5427.52	50.22	-23.78	74	39.78	32.58	11.34	33.48	100	349	P	H	
		5460.88	41.11	-12.89	54	30.58	32.63	11.38	33.48	100	349	A	H	
	*	5580	103.4	-	-	92.68	32.8	11.44	33.52	100	349	P	H	
	*	5580	94.08	-	-	83.36	32.8	11.44	33.52	100	349	A	H	
			5763.6	50.47	-23.53	74	39.53	33.06	11.46	33.58	100	349	P	H
			5763.775	41.17	-12.83	54	30.23	33.06	11.46	33.58	100	349	A	H
			5455.6	49.6	-24.4	74	39.11	32.63	11.34	33.48	185	26	P	V
			5468.56	41.17	-12.83	54	30.62	32.65	11.38	33.48	185	26	A	V
	*		5580	104.26	-	-	93.54	32.8	11.44	33.52	185	26	P	V
	*		5580	94.94	-	-	84.22	32.8	11.44	33.52	185	26	A	V
			5739.975	49.89	-24.11	74	38.96	33.04	11.46	33.57	185	26	P	V
			5728.075	41.2	-12.8	54	30.3	33.01	11.46	33.57	185	26	A	V



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 140 5700MHz	*	5700	104.95	-	-	94.07	32.97	11.47	33.56	172	325	P	H	
	*	5700	96.03	-	-	85.15	32.97	11.47	33.56	172	325	A	H	
		5725.24	53.18	-20.82	74	42.28	33.01	11.46	33.57	172	325	P	H	
		5752.2	43.41	-10.59	54	32.46	33.06	11.46	33.57	172	325	A	H	
													H	
														H
	*	5700	105.11	-	-	94.23	32.97	11.47	33.56	186	27	P	V	
	*	5700	96.55	-	-	85.67	32.97	11.47	33.56	186	27	A	V	
		5727.88	52.71	-21.29	74	41.81	33.01	11.46	33.57	186	27	P	V	
		5752.6	44.15	-9.85	54	33.2	33.06	11.46	33.57	186	27	A	V	
														V
														V
	Remark	<ol style="list-style-type: none"> No other spurious found. 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	41.36	-32.64	74	37.3	39.6	15.49	51.03	100	0	P	H
		16500	42.15	-31.85	74	35.55	39.2	19.27	51.87	100	0	P	H
													H
													H
		11000	41.43	-32.57	74	37.37	39.6	15.49	51.03	100	0	P	V
		16500	42.34	-31.66	74	35.74	39.2	19.27	51.87	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	41.7	-32.3	74	37.75	39.43	15.61	51.09	100	0	P	H
		16740	43.68	-30.32	74	35.36	40.55	19.68	51.91	100	0	P	H
													H
													H
		11160	41.41	-32.59	74	37.46	39.43	15.61	51.09	100	0	P	V
		16740	43.06	-30.94	74	34.74	40.55	19.68	51.91	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	40.98	-33.02	74	37.18	39.2	15.79	51.19	100	0	P	H
		17100	44.86	-29.14	74	34.17	42.36	20.3	51.97	100	0	P	H
													H
													H
		11400	40.71	-33.29	74	36.91	39.2	15.79	51.19	100	0	P	V
		17100	46.68	-27.32	74	35.99	42.36	20.3	51.97	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		5448.08	50.7	-23.3	74	40.21	32.63	11.34	33.48	151	340	P	H	
		5448.24	42.83	-11.17	54	32.34	32.63	11.34	33.48	151	340	A	H	
	*	5500	103.01	-	-	92.41	32.7	11.38	33.48	151	340	P	H	
	*	5500	94.11	-	-	83.51	32.7	11.38	33.48	151	340	A	H	
													H	
														H
			5456.56	50.04	-23.96	74	39.55	32.63	11.34	33.48	161	140	P	V
			5448.4	42.23	-11.77	54	31.74	32.63	11.34	33.48	161	140	A	V
		*	5500	101.34	-	-	90.74	32.7	11.38	33.48	161	140	P	V
		*	5500	91.87	-	-	81.27	32.7	11.38	33.48	161	140	A	V
													V	
													V	
802.11n HT20 CH 116 5580MHz		5452	49.79	-24.21	74	39.3	32.63	11.34	33.48	168	330	P	H	
		5470	40.3	-13.7	54	29.75	32.65	11.38	33.48	168	330	A	H	
		*	5580	103.77	-	-	93.05	32.8	11.44	33.52	168	330	P	H
		*	5580	95.25	-	-	84.53	32.8	11.44	33.52	168	330	A	H
			5751.875	50.41	-23.59	74	39.46	33.06	11.46	33.57	168	330	P	H
			5764.125	40.38	-13.62	54	29.44	33.06	11.46	33.58	168	330	A	H
			5437.6	49.64	-24.36	74	39.17	32.61	11.34	33.48	162	122	P	V
			5469.04	40.29	-13.71	54	29.74	32.65	11.38	33.48	162	122	A	V
		*	5580	100.04	-	-	89.32	32.8	11.44	33.52	162	122	P	V
		*	5580	92.75	-	-	82.03	32.8	11.44	33.52	162	122	A	V
		5765	49.62	-24.38	74	38.68	33.06	11.46	33.58	162	122	P	V	
		5763.775	40.36	-13.64	54	29.42	33.06	11.46	33.58	162	122	A	V	



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 140 5700MHz	*	5700	102.19	-	-	91.31	32.97	11.47	33.56	168	327	P	H	
	*	5700	94.6	-	-	83.72	32.97	11.47	33.56	168	327	A	H	
		5751.48	51.75	-22.25	74	40.82	33.04	11.46	33.57	168	327	P	H	
		5751.72	43.24	-10.76	54	32.29	33.06	11.46	33.57	168	327	A	H	
													H	
														H
	*	5700	103.33	-	-	92.45	32.97	11.47	33.56	153	145	P	V	
	*	5700	94.69	-	-	83.81	32.97	11.47	33.56	153	145	A	V	
		5751.72	52.28	-21.72	74	41.33	33.06	11.46	33.57	153	145	P	V	
		5751.64	44.67	-9.33	54	33.72	33.06	11.46	33.57	153	145	A	V	
														V
														V
Remark	<ol style="list-style-type: none"> No other spurious found. 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	41.69	-32.31	74	37.63	39.6	15.49	51.03	100	0	P	H
		16500	41.72	-32.28	74	35.12	39.2	19.27	51.87	100	0	P	H
													H
													H
		11000	40.89	-33.11	74	36.83	39.6	15.49	51.03	100	0	P	V
		16500	41.54	-32.46	74	34.94	39.2	19.27	51.87	100	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	41.09	-32.91	74	37.14	39.43	15.61	51.09	100	0	P	H
		16740	42.84	-31.16	74	34.52	40.55	19.68	51.91	100	0	P	H
													H
													H
		11160	41.3	-32.7	74	37.35	39.43	15.61	51.09	100	0	P	V
		16740	43.64	-30.36	74	35.32	40.55	19.68	51.91	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	41.34	-32.66	74	37.54	39.2	15.79	51.19	100	0	P	H
		17100	46.1	-27.9	74	35.41	42.36	20.3	51.97	100	0	P	H
													H
													H
		11400	40.63	-33.37	74	36.83	39.2	15.79	51.19	100	0	P	V
		17100	45.63	-28.37	74	34.94	42.36	20.3	51.97	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		5469.28	50.32	-23.68	74	39.77	32.65	11.38	33.48	221	342	P	H
		5470	42.59	-11.41	54	32.04	32.65	11.38	33.48	221	342	A	H
	*	5510	100.07	-	-	89.45	32.7	11.41	33.49	221	342	P	H
	*	5510	90.64	-	-	80.02	32.7	11.41	33.49	221	342	A	H
		5754.85	48.52	-25.48	74	37.57	33.06	11.46	33.57	221	342	P	H
		5754.5	41.43	-12.57	54	30.48	33.06	11.46	33.57	221	342	A	H
		5469.52	50.31	-23.69	74	39.76	32.65	11.38	33.48	195	24	P	V
		5463.28	41.86	-12.14	54	31.31	32.65	11.38	33.48	195	24	A	V
	*	5510	97.37	-	-	86.75	32.7	11.41	33.49	195	24	P	V
	*	5510	89.73	-	-	79.11	32.7	11.41	33.49	195	24	A	V
		5747.85	49.48	-24.52	74	38.55	33.04	11.46	33.57	195	24	P	V
		5754.5	41.23	-12.77	54	30.28	33.06	11.46	33.57	195	24	A	V
802.11n HT40 CH 110 5550MHz		5452.72	49.7	-24.3	74	39.21	32.63	11.34	33.48	202	324	P	H
		5465.68	41.25	-12.75	54	30.7	32.65	11.38	33.48	202	324	A	H
	*	5550	99.73	-	-	89.02	32.77	11.44	33.5	202	324	P	H
	*	5550	91.26	-	-	80.55	32.77	11.44	33.5	202	324	A	H
		5746.625	49.1	-24.9	74	38.17	33.04	11.46	33.57	202	324	P	H
		5752.75	41.26	-12.74	54	30.31	33.06	11.46	33.57	202	324	A	H
		5453.44	49.37	-24.63	74	38.88	32.63	11.34	33.48	203	26	P	V
		5466.16	41.2	-12.8	54	30.65	32.65	11.38	33.48	203	26	A	V
	*	5550	98.52	-	-	87.81	32.77	11.44	33.5	203	26	P	V
	*	5550	90.82	-	-	80.11	32.77	11.44	33.5	203	26	A	V
		5736.125	49.54	-24.46	74	38.61	33.04	11.46	33.57	203	26	P	V
		5753.1	41.55	-12.45	54	30.6	33.06	11.46	33.57	203	26	A	V



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 134 5670MHz		5466.4	49.76	-24.24	74	39.21	32.65	11.38	33.48	175	326	P	H
		5469.52	41.08	-12.92	54	30.53	32.65	11.38	33.48	175	326	A	H
	*	5670	100.17	-	-	89.31	32.94	11.47	33.55	175	326	P	H
	*	5670	92.21	-	-	81.35	32.94	11.47	33.55	175	326	A	H
		5750.125	50.05	-23.95	74	39.12	33.04	11.46	33.57	175	326	P	H
		5757.825	41.2	-12.8	54	30.26	33.06	11.46	33.58	175	326	A	H
		5464.96	50.28	-23.72	74	39.73	32.65	11.38	33.48	201	27	P	V
		5453.68	41.22	-12.78	54	30.73	32.63	11.34	33.48	201	27	A	V
	*	5670	100.23	-	-	89.37	32.94	11.47	33.55	201	27	P	V
	*	5670	91.98	-	-	81.12	32.94	11.47	33.55	201	27	A	V
		5748.025	49.53	-24.47	74	38.6	33.04	11.46	33.57	201	27	P	V
		5725.275	41.45	-12.55	54	30.55	33.01	11.46	33.57	201	27	A	V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	41.85	-32.15	74	37.81	39.58	15.49	51.03	100	0	P	H
		16530	42.62	-31.38	74	35.76	39.39	19.34	51.87	100	0	P	H
													H
													H
		11020	41.76	-32.24	74	37.72	39.58	15.49	51.03	100	0	P	V
		16530	42.17	-31.83	74	35.31	39.39	19.34	51.87	100	0	P	V
													V
802.11n HT40 CH 110 5550MHz		11100	41.42	-32.58	74	37.43	39.5	15.55	51.06	100	0	P	H
		16650	42.78	-31.22	74	35.07	40.07	19.54	51.9	100	0	P	H
													H
													H
		11100	41.94	-32.06	74	37.95	39.5	15.55	51.06	100	0	P	V
		16650	43.07	-30.93	74	35.36	40.07	19.54	51.9	100	0	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	41.67	-32.33	74	37.85	39.27	15.73	51.18	100	0	P	H
		17010	45.76	-28.24	74	35.5	42.06	20.16	51.96	100	0	P	H
													H
													H
		11340	41.4	-32.6	74	37.58	39.27	15.73	51.18	100	0	P	V
		17010	45.19	-28.81	74	34.93	42.06	20.16	51.96	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 802.11ac 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		5469.28	52.37	-21.63	74	41.82	32.65	11.38	33.48	200	329	P	H
		5469.28	46.12	-7.88	54	35.57	32.65	11.38	33.48	200	329	A	H
	*	5530	97.14	-	-	86.51	32.72	11.41	33.5	200	329	P	H
	*	5530	88.62	-	-	77.99	32.72	11.41	33.5	200	329	A	H
		5761.5	50.67	-23.33	74	39.73	33.06	11.46	33.58	200	329	P	H
		5752.225	43.04	-10.96	54	32.09	33.06	11.46	33.57	200	329	A	H
		5466.88	52.46	-21.54	74	41.91	32.65	11.38	33.48	197	49	P	V
		5467.36	45.35	-8.65	54	34.8	32.65	11.38	33.48	197	49	A	V
	*	5530	96.37	-	-	85.74	32.72	11.41	33.5	197	49	P	V
	*	5530	88.85	-	-	78.22	32.72	11.41	33.5	197	49	A	V
		5750.65	49.97	-24.03	74	39.04	33.04	11.46	33.57	197	49	P	V
		5736.475	43.13	-10.87	54	32.2	33.04	11.46	33.57	197	49	A	V
802.11ac VHT80 CH 122 5610MHz		5385.52	49.5	-24.5	74	39.13	32.54	11.31	33.48	245	328	P	H
		5424.16	43.74	-10.26	54	33.3	32.58	11.34	33.48	245	328	A	H
	*	5610	97.54	-	-	86.75	32.84	11.48	33.53	245	328	P	H
	*	5610	90.11	-	-	79.32	32.84	11.48	33.53	245	328	A	H
		5754.325	49.82	-24.18	74	38.87	33.06	11.46	33.57	245	328	P	H
		5746.275	43.06	-10.94	54	32.13	33.04	11.46	33.57	245	328	A	H
		5468.56	49.18	-24.82	74	38.63	32.65	11.38	33.48	183	54	P	V
		5452.96	42.99	-11.01	54	32.5	32.63	11.34	33.48	183	54	A	V
	*	5610	97.38	-	-	86.59	32.84	11.48	33.53	183	54	P	V
	*	5610	90.33	-	-	79.54	32.84	11.48	33.53	183	54	A	V
	5732.625	49.92	-24.08	74	39.02	33.01	11.46	33.57	183	54	P	V	
	5758	43.19	-10.81	54	32.25	33.06	11.46	33.58	183	54	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	40.81	-33.19	74	36.81	39.53	15.52	51.05	100	0	P	H	
		16590	41.96	-32.04	74	34.68	39.68	19.48	51.88	100	0	P	H	
													H	
													H	
			11060	41.18	-32.82	74	37.18	39.53	15.52	51.05	100	0	P	V
			16590	41.57	-32.43	74	34.29	39.68	19.48	51.88	100	0	P	V
														V
802.11ac VHT80 CH 122 5610MHz		11220	41	-33	74	37.11	39.38	15.64	51.13	100	0	P	H	
		16830	43.89	-30.11	74	34.9	41.03	19.89	51.93	100	0	P	H	
													H	
													H	
			11220	40.97	-33.03	74	37.08	39.38	15.64	51.13	100	0	P	V
			16830	44.02	-29.98	74	35.03	41.03	19.89	51.93	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 802.11ac VHT80 (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)	
802.11 ac VHT80 LF		76.71	26.27	-13.73	40	43.32	13.23	1.51	31.79	-	-	P	H	
		190.92	28.64	-14.86	43.5	42.95	15.37	2.1	31.78	-	-	P	H	
		274.89	33.21	-12.79	46	43.14	19.25	2.58	31.76	-	-	P	H	
		356.7	27.01	-18.99	46	34.73	21.28	2.78	31.78	-	-	P	H	
		745.9	34.74	-11.26	46	35.01	27.62	4.09	31.98	204	158	P	H	
		946.8	33.96	-12.04	46	29.81	30.52	4.69	31.06	-	-	P	H	
														H
														H
														H
														H
														H
														H
			32.7	36.34	-3.66	40	42.74	24.14	1.29	31.83	311	219	P	V
			77.25	33.3	-6.7	40	50.23	13.35	1.51	31.79	-	-	P	V
			180.93	25.83	-17.67	43.5	40.3	15.21	2.1	31.78	-	-	P	V
			405.7	28.48	-17.52	46	34.88	22.5	2.91	31.81	-	-	P	V
			729.1	30.1	-15.9	46	30.8	27.29	4.02	32.01	-	-	P	V
			945.4	33.72	-12.28	46	29.61	30.49	4.69	31.07	-	-	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”.