

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2015/07/21~2015/07/26	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11g 5M	6Mbps	2	1	2412	5.60	5.60	4.15	4.15	0.50	Pass
11g 5M	6Mbps	2	6	2437	5.61	5.58	4.15	4.14	0.50	Pass
11g 5M	6Mbps	2	11	2462	5.60	5.61	4.13	4.14	0.50	Pass
11g 8M	6Mbps	2	1	2412	7.70	7.64	6.56	6.56	0.50	Pass
11g 8M	6Mbps	2	6	2437	7.70	7.72	6.56	6.56	0.50	Pass
11g 8M	6Mbps	2	11	2462	7.70	7.66	6.56	6.56	0.50	Pass
11g 10M	6Mbps	2	1	2412	9.21	9.24	8.24	8.24	0.50	Pass
11g 10M	6Mbps	2	6	2437	9.21	9.18	8.24	8.22	0.50	Pass
11g 10M	6Mbps	2	11	2462	9.24	9.21	8.24	8.24	0.50	Pass
11g 20M	6Mbps	2	1	2412	18.20	17.95	16.44	16.40	0.50	Pass
11g 20M	6Mbps	2	6	2437	18.25	17.95	16.40	16.40	0.50	Pass
11g 20M	6Mbps	2	11	2462	18.40	18.05	16.44	16.40	0.50	Pass
11g 30M	6Mbps	2	2	2412	27.27	26.46	24.66	24.74	0.50	Pass
11g 30M	6Mbps	2	6	2437	27.45	26.46	24.78	24.66	0.50	Pass
11g 30M	6Mbps	2	10	2462	27.18	26.46	24.84	24.60	0.50	Pass
HT20 (5MHz)	MCS0	2	1	2412	5.82	5.85	4.46	4.46	0.50	Pass
HT20 (5MHz)	MCS0	2	6	2437	5.84	5.84	4.45	4.46	0.50	Pass
HT20 (5MHz)	MCS0	2	11	2462	5.87	5.85	4.45	4.44	0.50	Pass
HT20 (8MHz)	MCS0	2	1	2412	8.16	8.12	7.06	7.04	0.50	Pass
HT20 (8MHz)	MCS0	2	6	2437	8.16	8.12	7.06	7.04	0.50	Pass
HT20 (8MHz)	MCS0	2	11	2462	8.14	8.08	7.04	7.04	0.50	Pass
HT20 (10MHz)	MCS0	2	1	2412	9.75	9.78	8.84	8.84	0.50	Pass
HT20 (10MHz)	MCS0	2	6	2437	9.81	9.75	8.84	8.84	0.50	Pass
HT20 (10MHz)	MCS0	2	11	2462	9.75	9.78	8.86	8.84	0.50	Pass
HT20 (20MHz)	MCS0	2	1	2412	19.05	19.20	17.60	17.60	0.50	Pass
HT20 (20MHz)	MCS0	2	6	2437	19.20	19.10	17.60	17.60	0.50	Pass
HT20 (20MHz)	MCS0	2	11	2462	19.25	19.05	17.64	17.60	0.50	Pass
HT20 (30MHz)	MCS0	2	2	2417	28.53	28.53	26.52	26.46	0.50	Pass
HT20 (30MHz)	MCS0	2	6	2437	28.62	28.35	26.46	26.46	0.50	Pass
HT20 (30MHz)	MCS0	2	10	2457	28.53	28.62	26.58	26.46	0.50	Pass
HT40	MCS0	2	3	2422	38.10	37.60	36.48	36.48	0.50	Pass
HT40	MCS0	2	6	2437	38.50	37.70	36.48	36.48	0.50	Pass
HT40	MCS0	2	9	2452	38.30	37.70	36.48	36.48	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11g 5M	6Mbps	2	1	2412	23.37	23.81	26.61	27.00		13.00		39.61		40.00		Pass
11g 5M	6Mbps	2	6	2437	23.09	23.70	26.42	27.00		13.00		39.42		40.00		Pass
11g 5M	6Mbps	2	11	2462	22.11	22.14	25.14	27.00		13.00		38.14		40.00		Pass
11g 8M	6Mbps	2	1	2412	21.13	21.35	24.25	27.00		13.00		37.25		40.00		Pass
11g 8M	6Mbps	2	6	2437	20.27	20.02	23.16	27.00		13.00		36.16		40.00		Pass
11g 8M	6Mbps	2	11	2462	16.03	16.89	19.49	27.00		13.00		32.49		40.00		Pass
11g 10M	6Mbps	2	1	2412	23.71	23.71	26.72	27.00		13.00		39.72		40.00		Pass
11g 10M	6Mbps	2	6	2437	23.61	23.75	26.69	27.00		13.00		39.69		40.00		Pass
11g 10M	6Mbps	2	11	2462	23.00	23.65	26.35	27.00		13.00		39.35		40.00		Pass
11g 20M	6Mbps	2	1	2412	20.96	21.04	24.01	27.00		13.00		37.01		40.00		Pass
11g 20M	6Mbps	2	6	2437	23.25	23.55	26.41	27.00		13.00		39.41		40.00		Pass
11g 20M	6Mbps	2	11	2462	18.85	18.41	21.65	27.00		13.00		34.65		40.00		Pass
11g 30M	6Mbps	2	2	2412	12.48	12.61	15.56	27.00		13.00		28.56		40.00		Pass
11g 30M	6Mbps	2	6	2437	10.84	11.06	13.96	27.00		13.00		26.96		40.00		Pass
11g 30M	6Mbps	2	10	2462	11.17	11.51	14.35	27.00		13.00		27.35		40.00		Pass
HT20 (5MHz)	MCS0	2	1	2412	23.59	24.10	26.86	27.00		13.00		39.86		40.00		Pass
HT20 (5MHz)	MCS0	2	6	2437	23.49	23.43	26.47	27.00		13.00		39.47		40.00		Pass
HT20 (5MHz)	MCS0	2	11	2462	22.01	22.32	25.18	27.00		13.00		38.18		40.00		Pass
HT20 (8MHz)	MCS0	2	1	2412	21.46	21.35	24.42	27.00		13.00		37.42		40.00		Pass
HT20 (8MHz)	MCS0	2	6	2437	20.18	19.90	23.05	27.00		13.00		36.05		40.00		Pass
HT20 (8MHz)	MCS0	2	11	2462	19.00	18.55	21.79	27.00		13.00		34.79		40.00		Pass
HT20 (10MHz)	MCS0	2	1	2412	23.64	23.81	26.74	27.00		13.00		39.74		40.00		Pass
HT20 (10MHz)	MCS0	2	6	2437	23.25	23.21	26.24	27.00		13.00		39.24		40.00		Pass
HT20 (10MHz)	MCS0	2	11	2462	23.16	22.94	26.06	27.00		13.00		39.06		40.00		Pass
HT20 (20MHz)	MCS0	2	1	2412	20.41	20.06	23.25	27.00		13.00		36.25		40.00		Pass
HT20 (20MHz)	MCS0	2	6	2437	23.25	23.42	26.35	27.00		13.00		39.35		40.00		Pass
HT20 (20MHz)	MCS0	2	11	2462	19.14	18.71	21.94	27.00		13.00		34.94		40.00		Pass
HT20 (30MHz)	MCS0	2	2	2417	10.15	10.21	13.19	27.00		13.00		26.19		40.00		Pass
HT20 (30MHz)	MCS0	2	6	2437	10.90	10.91	13.92	27.00		13.00		26.92		40.00		Pass
HT20 (30MHz)	MCS0	2	10	2457	10.10	10.19	13.16	27.00		13.00		26.16		40.00		Pass
HT40	MCS0	2	3	2422	20.30	20.66	23.49	27.00		13.00		36.49		40.00		Pass
HT40	MCS0	2	6	2437	23.97	23.95	26.97	27.00		13.00		39.97		40.00		Pass
HT40	MCS0	2	9	2452	16.95	17.31	20.14	27.00		13.00		33.14		40.00		Pass

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Average Output Power

2.4GHz Band									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
11g 5M	6Mbps	2	1	2412	0.12	0.12	12.67	12.87	15.78
11g 5M	6Mbps	2	6	2437	0.12	0.12	12.54	12.82	15.69
11g 5M	6Mbps	2	11	2462	0.12	0.12	11.41	11.52	14.47
11g 8M	6Mbps	2	1	2412	0.12	0.13	10.31	10.49	13.41
11g 8M	6Mbps	2	6	2437	0.12	0.13	9.10	8.99	12.06
11g 8M	6Mbps	2	11	2462	0.12	0.13	5.82	5.96	8.90
11g 10M	6Mbps	2	1	2412	0.13	0.16	12.94	13.47	16.22
11g 10M	6Mbps	2	6	2437	0.13	0.16	12.74	12.97	15.86
11g 10M	6Mbps	2	11	2462	0.13	0.16	12.10	12.59	15.36
11g 20M	6Mbps	2	1	2412	0.16	0.16	10.28	10.41	13.35
11g 20M	6Mbps	2	6	2437	0.16	0.16	12.40	13.00	15.72
11g 20M	6Mbps	2	11	2462	0.16	0.16	8.18	7.81	11.01
11g 30M	6Mbps	2	2	2412	0.19	0.19	2.67	2.93	5.81
11g 30M	6Mbps	2	6	2437	0.19	0.19	0.86	0.79	3.83
11g 30M	6Mbps	2	10	2462	0.19	0.19	1.44	1.89	4.68
HT20 (5MHz)	MCS0	2	1	2412	0.13	0.13	12.85	13.24	16.06
HT20 (5MHz)	MCS0	2	6	2437	0.13	0.13	12.63	12.65	15.65
HT20 (5MHz)	MCS0	2	11	2462	0.13	0.13	11.36	11.56	14.47
HT20 (8MHz)	MCS0	2	1	2412	0.13	0.13	10.37	10.43	13.41
HT20 (8MHz)	MCS0	2	6	2437	0.13	0.13	9.26	8.96	12.13
HT20 (8MHz)	MCS0	2	11	2462	0.13	0.13	8.09	7.48	10.81
HT20 (10MHz)	MCS0	2	1	2412	0.17	0.13	12.68	12.94	15.82
HT20 (10MHz)	MCS0	2	6	2437	0.17	0.13	12.27	12.41	15.35
HT20 (10MHz)	MCS0	2	11	2462	0.17	0.13	12.37	12.17	15.28
HT20 (20MHz)	MCS0	2	1	2412	0.17	0.17	9.36	9.39	12.38
HT20 (20MHz)	MCS0	2	6	2437	0.17	0.17	12.63	12.71	15.68
HT20 (20MHz)	MCS0	2	11	2462	0.17	0.17	8.47	8.01	11.25
HT20 (30MHz)	MCS0	2	2	2417	0.20	0.20	0.39	0.60	3.51
HT20 (30MHz)	MCS0	2	6	2437	0.20	0.20	0.93	0.85	3.90
HT20 (30MHz)	MCS0	2	10	2457	0.20	0.20	0.31	0.45	3.39
HT40	MCS0	2	3	2422	0.27	0.27	7.19	7.77	10.50
HT40	MCS0	2	6	2437	0.27	0.27	10.91	11.47	14.20
HT40	MCS0	2	9	2452	0.27	0.27	5.12	5.45	8.29

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
11g 5M	6Mbps	2	1	2412	-7.08	-4.62	-1.61	16.01		4.00		Pass
11g 5M	6Mbps	2	6	2437	-7.80	-4.89	-1.88	16.01		4.00		Pass
11g 5M	6Mbps	2	11	2462	-8.45	-7.84	-4.83	16.01		4.00		Pass
11g 8M	6Mbps	2	1	2412	-10.77	-11.51	-7.76	16.01		4.00		Pass
11g 8M	6Mbps	2	6	2437	-11.94	-12.32	-8.93	16.01		4.00		Pass
11g 8M	6Mbps	2	11	2462	-15.62	-14.93	-11.92	16.01		4.00		Pass
11g 10M	6Mbps	2	1	2412	-8.66	-9.47	-5.65	16.01		4.00		Pass
11g 10M	6Mbps	2	6	2437	-8.84	-8.53	-5.52	16.01		4.00		Pass
11g 10M	6Mbps	2	11	2462	-8.80	-7.78	-4.77	16.01		4.00		Pass
11g 20M	6Mbps	2	1	2412	-14.65	-14.57	-11.56	16.01		4.00		Pass
11g 20M	6Mbps	2	6	2437	-12.07	-11.54	-8.53	16.01		4.00		Pass
11g 20M	6Mbps	2	11	2462	-16.86	-17.18	-13.85	16.01		4.00		Pass
11g 30M	6Mbps	2	2	2412	-25.18	-24.16	-21.15	16.01		4.00		Pass
11g 30M	6Mbps	2	6	2437	-25.90	-25.51	-22.50	16.01		4.00		Pass
11g 30M	6Mbps	2	10	2462	-26.03	-25.97	-22.96	16.01		4.00		Pass
HT20 (5MHz)	MCS0	2	1	2412	-6.53	-6.97	-3.52	16.01		4.00		Pass
HT20 (5MHz)	MCS0	2	6	2437	-7.05	-5.97	-2.96	16.01		4.00		Pass
HT20 (5MHz)	MCS0	2	11	2462	-6.17	-7.87	-3.16	16.01		4.00		Pass
HT20 (8MHz)	MCS0	2	1	2412	-9.64	-10.92	-6.63	16.01		4.00		Pass
HT20 (8MHz)	MCS0	2	6	2437	-10.78	-12.72	-7.77	16.01		4.00		Pass
HT20 (8MHz)	MCS0	2	11	2462	-12.88	-11.41	-8.40	16.01		4.00		Pass
HT20 (10MHz)	MCS0	2	1	2412	-9.94	-8.00	-4.99	16.01		4.00		Pass
HT20 (10MHz)	MCS0	2	6	2437	-10.30	-7.76	-4.75	16.01		4.00		Pass
HT20 (10MHz)	MCS0	2	11	2462	-10.20	-10.48	-7.19	16.01		4.00		Pass
HT20 (20MHz)	MCS0	2	1	2412	-16.07	-16.27	-13.06	16.01		4.00		Pass
HT20 (20MHz)	MCS0	2	6	2437	-13.74	-12.29	-9.28	16.01		4.00		Pass
HT20 (20MHz)	MCS0	2	11	2462	-17.12	-17.07	-14.06	16.01		4.00		Pass
HT20 (30MHz)	MCS0	2	2	2417	-27.43	-27.37	-24.36	16.01		4.00		Pass
HT20 (30MHz)	MCS0	2	6	2437	-26.17	-26.14	-23.13	16.01		4.00		Pass
HT20 (30MHz)	MCS0	2	10	2457	-27.12	-26.85	-23.84	16.01		4.00		Pass
HT40	MCS0	2	3	2422	-19.37	-20.99	-16.36	16.01		4.00		Pass
HT40	MCS0	2	6	2437	-16.87	-17.03	-13.86	16.01		4.00		Pass
HT40	MCS0	2	9	2452	-23.68	-22.73	-19.72	16.01		4.00		Pass

Measured power density (dBm) has offset with cable loss.