

Test Engineer:	osolemio Chang and Luffy Lin	Temperature:	21~25	°C
Test Date:	2016/01/23 ~ 2016/02/03	Relative Humidity:	58~61	%

TEST RESULTS DATA
Peak Output Power

2.4GHz Band																
Mod.	Data Rate	N _{TX}	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	
11b	1Mbps	2	1	2412	26.67	25.92	29.32	30.00	30.00	3.52	3.52	32.84	36.00	36.00	Pass	
11b	1Mbps	2	6	2437	26.21	25.78	29.01	30.00	30.00	3.52	3.52	32.53	36.00	36.00	Pass	
11b	1Mbps	2	11	2462	26.07	25.82	28.96	30.00	30.00	3.52	3.52	32.48	36.00	36.00	Pass	
11g	6Mbps	2	1	2412	26.79	26.72	29.77	30.00	30.00	3.52	3.52	33.29	36.00	36.00	Pass	
11g	6Mbps	2	6	2437	26.62	26.43	29.54	30.00	30.00	3.52	3.52	33.06	36.00	36.00	Pass	
11g	6Mbps	2	11	2462	26.39	26.47	29.44	30.00	30.00	3.52	3.52	32.96	36.00	36.00	Pass	
HT20	MCS0	2	1	2412	25.83	25.57	28.71	30.00	30.00	3.52	3.52	32.23	36.00	36.00	Pass	
HT20	MCS0	2	6	2437	26.90	26.74	29.83	30.00	30.00	3.52	3.52	33.35	36.00	36.00	Pass	
HT20	MCS0	2	11	2462	26.38	26.26	29.33	30.00	30.00	3.52	3.52	32.85	36.00	36.00	Pass	
HT40	MCS0	2	3	2422	23.46	24.22	26.87	30.00	30.00	3.52	3.52	30.39	36.00	36.00	Pass	
HT40	MCS0	2	6	2437	25.85	25.72	28.80	30.00	30.00	3.52	3.52	32.32	36.00	36.00	Pass	
HT40	MCS0	2	9	2452	24.81	25.33	28.09	30.00	30.00	3.52	3.52	31.61	36.00	36.00	Pass	

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

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		
11b	1Mbps	2	1	2412	12.00	12.05	7.08	7.08	0.50	Pass
11b	1Mbps	2	6	2437	11.95	11.90	7.08	7.08	0.50	Pass
11b	1Mbps	2	11	2462	11.80	11.80	7.08	7.08	0.50	Pass
11g	6Mbps	2	1	2412	18.20	18.80	16.44	16.36	0.50	Pass
11g	6Mbps	2	6	2437	18.25	18.50	16.40	16.36	0.50	Pass
11g	6Mbps	2	11	2462	18.00	18.45	16.34	16.32	0.50	Pass
HT20	MCS0	2	1	2412	19.05	19.25	17.56	17.56	0.50	Pass
HT20	MCS0	2	6	2437	19.55	19.65	17.64	17.64	0.50	Pass
HT20	MCS0	2	11	2462	19.15	19.35	17.56	17.58	0.50	Pass
HT40	MCS0	2	3	2422	37.00	37.00	36.28	36.32	0.50	Pass
HT40	MCS0	2	6	2437	37.20	37.20	36.32	36.32	0.50	Pass
HT40	MCS0	2	9	2452	37.20	37.10	36.32	36.16	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band									
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
11b	1Mbps	2	1	2412	0.00	0.00	23.37	23.08	26.24
11b	1Mbps	2	6	2437	0.00	0.00	23.15	22.83	26.00
11b	1Mbps	2	11	2462	0.00	0.00	23.08	22.81	25.96
11g	6Mbps	2	1	2412	0.14	0.14	17.40	17.21	20.31
11g	6Mbps	2	6	2437	0.14	0.14	17.33	16.83	20.09
11g	6Mbps	2	11	2462	0.14	0.14	16.52	16.47	19.50
HT20	MCS0	2	1	2412	0.14	0.15	15.66	15.60	18.64
HT20	MCS0	2	6	2437	0.14	0.15	17.68	17.38	20.54
HT20	MCS0	2	11	2462	0.14	0.15	16.37	16.04	19.22
HT40	MCS0	2	3	2422	0.18	0.23	12.69	13.45	16.10
HT40	MCS0	2	6	2437	0.18	0.23	16.13	15.94	19.05
HT40	MCS0	2	9	2452	0.18	0.23	14.54	15.15	17.87

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	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	
11b	1Mbps	2	1	2412	1.29	1.32	4.33	6.35		7.65	Pass	
11b	1Mbps	2	6	2437	1.13	1.48	4.49	6.35		7.65	Pass	
11b	1Mbps	2	11	2462	0.69	1.44	4.45	6.35		7.65	Pass	
11g	6Mbps	2	1	2412	-8.70	-7.41	-4.40	6.35		7.65	Pass	
11g	6Mbps	2	6	2437	-8.16	-8.06	-5.05	6.35		7.65	Pass	
11g	6Mbps	2	11	2462	-7.95	-8.06	-4.94	6.35		7.65	Pass	
HT20	MCS0	2	1	2412	-9.52	-9.92	-6.51	6.35		7.65	Pass	
HT20	MCS0	2	6	2437	-8.56	-9.31	-5.55	6.35		7.65	Pass	
HT20	MCS0	2	11	2462	-9.09	-9.22	-6.08	6.35		7.65	Pass	
HT40	MCS0	2	3	2422	-16.09	-14.53	-11.52	6.35		7.65	Pass	
HT40	MCS0	2	6	2437	-9.30	-12.72	-6.29	6.35		7.65	Pass	
HT40	MCS0	2	9	2452	-13.77	-12.37	-9.36	6.35		7.65	Pass	

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