

Report Number : FR5O0602A

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2015/11/09 ~ 2015/11/18	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band								
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Occupied BW (MHz)			
					Ant 1	Ant 2	Ant 3	Ant 4
11b	1Mbps	4	1	2412	11.75	11.70	11.75	13.70
11b	1Mbps	4	6	2437	12.05	11.90	11.70	13.70
11b	1Mbps	4	11	2462	11.75	11.75	11.75	13.70
11g	6Mbps	4	1	2412	16.75	16.70	16.75	16.65
11g	6Mbps	4	6	2437	16.90	16.85	16.80	16.70
11g	6Mbps	4	11	2462	16.75	16.75	16.70	16.60
HT20	MCS0	4	1	2412	16.33	17.11	17.74	17.60
HT20	MCS0	4	6	2437	17.97	17.84	18.24	17.65
HT20	MCS0	4	11	2462	16.38	17.55	18.15	17.65
HT40	MCS0	4	3	2422	36.00	35.90	35.90	35.90
HT40	MCS0	4	6	2437	36.10	35.90	35.90	36.20
HT40	MCS0	4	9	2452	36.10	35.90	36.00	36.00

2.4GHz Band										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	6dB BW (MHz)				6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 3	Ant 4		
11b	1Mbps	4	1	2412	6.56	7.08	7.04	10.04	0.50	Pass
11b	1Mbps	4	6	2437	7.08	7.08	7.08	10.04	0.50	Pass
11b	1Mbps	4	11	2462	7.04	7.04	7.08	10.04	0.50	Pass
11g	6Mbps	4	1	2412	15.12	15.28	15.32	15.12	0.50	Pass
11g	6Mbps	4	6	2437	15.36	15.08	15.36	15.08	0.50	Pass
11g	6Mbps	4	11	2462	15.36	15.12	15.32	15.12	0.50	Pass
HT20	MCS0	4	1	2412	15.12	15.12	15.44	15.12	0.50	Pass
HT20	MCS0	4	6	2437	15.68	15.16	15.16	15.08	0.50	Pass
HT20	MCS0	4	11	2462	15.12	15.16	15.12	15.16	0.50	Pass
HT40	MCS0	4	3	2422	32.64	26.40	31.28	33.92	0.50	Pass
HT40	MCS0	4	6	2437	32.64	26.40	32.64	32.72	0.50	Pass
HT40	MCS0	4	9	2452	33.84	32.56	35.04	33.92	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)				Average Conducted Power (dBm)					DG (dBi)	Cond. Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 1	Ant 2	Ant 3	Ant 4	SUM			
11b	1Mbps	4	1	2412	0.00	0.00	0.00	0.00	24.38	24.08	24.12	8.92	29.01	3.00	30	Pass
11b	1Mbps	4	6	2437	0.00	0.00	0.00	0.00	24.75	24.61	23.93	9.31	29.26	3.00	30	Pass
11b	1Mbps	4	11	2462	0.00	0.00	0.00	0.00	23.80	23.78	23.86	9.78	28.64	3.00	30	Pass
11g	6Mbps	4	1	2412	0.05	0.05	0.07	0.05	20.39	20.07	20.18	14.50	25.36	3.00	30	Pass
11g	6Mbps	4	6	2437	0.05	0.05	0.07	0.05	21.73	21.32	21.31	16.48	26.67	3.00	30	Pass
11g	6Mbps	4	11	2462	0.05	0.05	0.07	0.05	20.39	20.18	20.43	16.07	25.62	3.00	30	Pass
HT20	MCS0	4	1	2412	0.08	0.08	0.08	0.05	20.34	20.17	20.12	13.77	25.30	3.00	30	Pass
HT20	MCS0	4	6	2437	0.08	0.08	0.08	0.05	21.44	21.15	21.05	16.21	26.42	3.00	30	Pass
HT20	MCS0	4	11	2462	0.08	0.08	0.08	0.05	19.73	19.52	19.57	15.70	24.93	3.00	30	Pass
HT40	MCS0	4	3	2422	0.08	0.08	0.07	0.08	20.11	19.80	19.95	10.42	24.88	3.00	30	Pass
HT40	MCS0	4	6	2437	0.08	0.08	0.07	0.08	19.82	19.64	19.74	14.92	24.96	3.00	30	Pass
HT40	MCS0	4	9	2452	0.08	0.08	0.07	0.08	19.87	19.76	19.59	15.12	24.99	3.00	30	Pass

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

TEST RESULTS DATA
Average Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average PSD (dBm/3kHz)					DG (dBi)	Peak PSD Limit (dBm/3kHz)	Pass/Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Worse + 6.02			
11b	1Mbps	4	1	2412	-2.04	-2.23	-1.93	-19.92	4.09	9.02	4.98	Pass
11b	1Mbps	4	6	2437	-1.70	-2.10	-2.91	-19.38	4.32	9.02	4.98	Pass
11b	1Mbps	4	11	2462	-2.61	-2.52	-2.02	-18.94	4.00	9.02	4.98	Pass
11g	6Mbps	4	1	2412	-9.39	-11.46	-11.36	-17.53	-3.37	9.02	4.98	Pass
11g	6Mbps	4	6	2437	-9.87	-9.66	-9.70	-14.78	-3.64	9.02	4.98	Pass
11g	6Mbps	4	11	2462	-10.96	-10.53	-10.42	-15.38	-4.40	9.02	4.98	Pass
HT20	MCS0	4	1	2412	-12.11	-11.74	-11.94	-17.97	-5.72	9.02	4.98	Pass
HT20	MCS0	4	6	2437	-11.33	-10.79	-11.15	-15.51	-4.77	9.02	4.98	Pass
HT20	MCS0	4	11	2462	-12.53	-12.02	-10.93	-16.05	-4.91	9.02	4.98	Pass
HT40	MCS0	4	3	2422	-15.30	-14.12	-15.40	-25.71	-8.10	9.02	4.98	Pass
HT40	MCS0	4	6	2437	-15.16	-14.50	-15.56	-20.88	-8.48	9.02	4.98	Pass
HT40	MCS0	4	9	2452	-15.13	-15.67	-15.22	-20.45	-9.11	9.02	4.98	Pass

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