Report Number : FR6O0520

Test Engineer:	Aking Chang	Temperature:	21~25	°C
Test Date:	2016/10/07~2016/10/19	Relative Humidity:	51~54	%

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TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	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	15.70	15.30	10.04	10.08	0.50	Pass
11b	1Mbps	2	6	2437	16.25	15.80	10.08	10.08	0.50	Pass
11b	1Mbps	2	11	2462	16.80	15.70	10.04	10.04	0.50	Pass
11g	6Mbps	2	1	2412	25.15	24.10	16.32	16.28	0.50	Pass
11g	6Mbps	2	6	2437	29.70	28.35	16.32	16.30	0.50	Pass
11g	6Mbps	2	11	2462	29.20	26.50	16.30	16.30	0.50	Pass
HT20	MCS0	2	1	2412	21.90	21.40	16.30	16.30	0.50	Pass
HT20	MCS0	2	6	2437	24.15	23.95	17.54	17.52	0.50	Pass
HT20	MCS0	2	11	2462	23.85	21.50	17.54	17.28	0.50	Pass
HT40	MCS0	2	3	2422	41.80	39.00	35.68	35.64	0.50	Pass
HT40	MCS0	2	6	2437	43.50	41.20	36.32	36.36	0.50	Pass
HT40	MCS0	2	9	2452	43.30	41.80	36.32	36.28	0.50	Pass

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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	
11b	1Mbps	1	1	2412	19.43	19.35		30.00	30.00	3.50	3.50	22.93	22.85	36.00	36.00	Pass
11b	1Mbps	1	6	2437	18.85	18.93		30.00	30.00	3.50	3.50	22.35	22.43	36.00	36.00	Pass
11b	1Mbps	1	11	2462	19.20	19.00		30.00	30.00	3.50	3.50	22.70	22.50	36.00	36.00	Pass
11g	6Mbps	1	1	2412	22.10	21.91		30.00	30.00	3.50	3.50	25.60	25.41	36.00	36.00	Pass
11g	6Mbps	1	6	2437	21.71	21.63		30.00	30.00	3.50	3.50	25.21	25.13	36.00	36.00	Pass
11g	6Mbps	1	11	2462	22.01	21.44		30.00	30.00	3.50	3.50	25.51	24.94	36.00	36.00	Pass
HT20	MCS0	1	1	2412	21.52	21.17		30.00	30.00	3.50	3.50	25.02	24.67	36.00	36.00	Pass
HT20	MCS0	1	6	2437	21.11	21.03		30.00	30.00	3.50	3.50	24.61	24.53	36.00	36.00	Pass
HT20	MCS0	1	11	2462	21.32	20.69		30.00	30.00	3.50	3.50	24.82	24.19	36.00	36.00	Pass
HT40	MCS0	1	3	2422	21.22	20.73		30.00	30.00	3.50	3.50	24.72	24.23	36.00	36.00	Pass
HT40	MCS0	1	6	2437	21.23	20.71		30.00	30.00	3.50	3.50	24.73	24.21	36.00	36.00	Pass
HT40	MCS0	1	9	2452	21.49	21.25		30.00	30.00	3.50	3.50	24.99	24.75	36.00	36.00	Pass
11b	1Mbps	2	1	2412	19.73	19.31	22.54	30.00		3.50		26.04		36.00		Pass
11b	1Mbps	2	6	2437	19.69	18.92	22.33	30.00		3.50		25.83		36.00		Pass
11b	1Mbps	2	11	2462	19.89	18.54	22.28	30.00		3.50		25.78		36.00		Pass
11g	6Mbps	2	1	2412	22.36	21.84	25.12	30.00		3.50		28.62		36.00		Pass
11g	6Mbps	2	6	2437	21.96	21.49	24.74	30.00		3.50		28.24		36.00		Pass
11g	6Mbps	2	11	2462	22.56	21.42	25.04	30.00		3.50		28.54		36.00		Pass
HT20	MCS0	2	1	2412	21.81	21.36	24.60	30.00		3.50		28.10		36.00		Pass
HT20	MCS0	2	6	2437	21.21	21.00	24.12	30.00		3.50		27.62		36.00		Pass
HT20	MCS0	2	11	2462	22.00	20.55	24.35	30.00		3.50		27.85		36.00		Pass
HT40	MCS0	2	3	2422	21.37	21.09	24.24	30.00		3.50		27.74		36.00		Pass
HT40	MCS0	2	6	2437	21.52	20.99	24.27	30.00		3.50		27.77		36.00		Pass
HT40	MCS0	2	9	2452	21.81	21.30	24.57	30.00		3.50		28.07		36.00		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
11b	1Mbps	1	1	2412	0.00	0.00	17.71	17.77	
11b	1Mbps	1	6	2437	0.00	0.00	17.02	17.25	
11b	1Mbps	1	11	2462	0.00	0.00	17.79	17.67	
11g	6Mbps	1	1	2412	0.19	0.19	17.77	17.86	
11g	6Mbps	1	6	2437	0.19	0.19	17.56	17.85	
11g	6Mbps	1	11	2462	0.19	0.19	17.81	17.70	
HT20	MCS0	1	1	2412	0.20	0.20	15.92	15.60	
HT20	MCS0	1	6	2437	0.20	0.20	15.67	15.66	
HT20	MCS0	1	11	2462	0.20	0.20	15.70	15.71	
HT40	MCS0	1	3	2422	0.27	0.29	14.50	14.51	
HT40	MCS0	1	6	2437	0.27	0.29	14.51	14.55	
HT40	MCS0	1	9	2452	0.27	0.29	14.86	14.93	
11b	1Mbps	2	1	2412	0.00	0.00	17.86	17.71	20.80
11b	1Mbps	2	6	2437	0.00	0.00	17.98	17.28	20.65
11b	1Mbps	2	11	2462	0.00	0.00	18.33	17.25	20.83
11g	6Mbps	2	1	2412	0.19	0.19	18.08	17.88	20.99
11g	6Mbps	2	6	2437	0.19	0.19	18.11	17.62	20.88
11g	6Mbps	2	11	2462	0.19	0.19	18.15	17.65	20.92
HT20	MCS0	2	1	2412	0.20	0.17	15.93	15.99	18.97
HT20	MCS0	2	6	2437	0.20	0.17	16.00	15.51	18.77
HT20	MCS0	2	11	2462	0.20	0.17	16.20	15.52	18.88
HT40	MCS0	2	3	2422	0.29	0.27	14.71	14.61	17.67
HT40	MCS0	2	6	2437	0.29	0.27	14.80	14.43	17.63
HT40	MCS0	2	9	2452	0.29	0.27	15.13	14.82	17.99

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

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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	-5.70	-5.67	-2.66	6.51		7.49		Pass
11b	1Mbps	2	6	2437	-6.82	-7.13	-3.81	6.51		7.49		Pass
11b	1Mbps	2	11	2462	-6.47	-6.57	-3.46	6.51		7.49		Pass
11g	6Mbps	2	1	2412	-7.93	-6.90	-3.89	6.51		7.49		Pass
11g	6Mbps	2	6	2437	-8.13	-7.01	-4.00	6.51		7.49		Pass
11g	6Mbps	2	11	2462	-8.19	-7.34	-4.33	6.51		7.49		Pass
HT20	MCS0	2	1	2412	-8.78	-9.55	-5.77	6.51		7.49		Pass
HT20	MCS0	2	6	2437	-9.39	-9.67	-6.38	6.51		7.49		Pass
HT20	MCS0	2	11	2462	-10.81	-9.80	-6.79	6.51		7.49		Pass
HT40	MCS0	2	3	2422	-14.64	-12.73	-9.72	6.51		7.49		Pass
HT40	MCS0	2	6	2437	-14.27	-13.44	-10.43	6.51		7.49		Pass
HT40	MCS0	2	9	2452	-14.08	-11.93	-8.92	6.51		7.49		Pass

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