

Report Number : FR511631C

Test Engineer:	Derek Hsu	Temperature:	21~26	°C
Test Date:	2015/1/28~2015/3/5	Relative Humidity:	45~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

21~26

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	1	1	2412	11.75		8.52		0.50	Pass
11b	1Mbps	1	6	2437	11.65		8.08		0.50	Pass
11b	1Mbps	1	11	2462	11.65		8.10		0.50	Pass
11g	6Mbps	1	1	2412		17.10		15.64	0.50	Pass
11g	6Mbps	1	6	2437		17.25		15.52	0.50	Pass
11g	6Mbps	1	11	2462		17.25		15.42	0.50	Pass
HT20	MCS0	1	1	2412	17.90		15.76		0.50	Pass
HT20	MCS0	1	6	2437	18.00		15.44		0.50	Pass
HT20	MCS0	1	11	2462	18.00		15.68		0.50	Pass
HT20	MCS8	2	1	2412	18.00	17.90	15.66	16.32	0.50	Pass
HT20	MCS8	2	6	2437	18.30	18.30	15.88	16.28	0.50	Pass
HT20	MCS8	2	11	2462	17.95	17.90	15.84	16.28	0.50	Pass

TEST RESULTS DATA
Peak Output Power

21~26

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	18.65	17.87		30.00	30.00	2.66	1.64	21.31	19.51	36.00	36.00	Pass
11b	1Mbps	1	6	2437	18.94	18.78		30.00	30.00	2.66	1.64	21.60	20.42	36.00	36.00	Pass
11b	1Mbps	1	11	2462	19.11	18.91		30.00	30.00	2.66	1.64	21.77	20.55	36.00	36.00	Pass
11g	6Mbps	1	1	2412	21.41	20.89		30.00	30.00	2.66	1.64	24.07	22.53	36.00	36.00	Pass
11g	6Mbps	1	6	2437	22.15	22.33		30.00	30.00	2.66	1.64	24.81	23.97	36.00	36.00	Pass
11g	6Mbps	1	11	2462	21.33	20.45		30.00	30.00	2.66	1.64	23.99	22.09	36.00	36.00	Pass
HT20	MCS0	1	1	2412	19.82	20.75		30.00	30.00	2.66	1.64	22.48	22.39	36.00	36.00	Pass
HT20	MCS0	1	6	2437	22.04	21.88		30.00	30.00	2.66	1.64	24.70	23.52	36.00	36.00	Pass
HT20	MCS0	1	11	2462	19.56	19.50		30.00	30.00	2.66	1.64	22.22	21.14	36.00	36.00	Pass
HT20	MCS8	2	1	2412	19.67	19.95	22.82	30.00		5.18		28.00		36.00		Pass
HT20	MCS8	2	6	2437	22.55	22.25	25.41	30.00		5.18		30.59		36.00		Pass
HT20	MCS8	2	11	2462	19.35	18.94	22.16	30.00		5.18		27.34		36.00		Pass

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

TEST RESULTS DATA
Average Output Power

21~26

45~54

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	0.04	0.04	15.50	14.56	
11b	1Mbps	1	6	2437	0.04	0.04	15.66	15.62	
11b	1Mbps	1	11	2462	0.04	0.04	15.87	15.67	
11g	6Mbps	1	1	2412	0.25	0.25	12.83	11.78	
11g	6Mbps	1	6	2437	0.25	0.25	14.58	14.79	
11g	6Mbps	1	11	2462	0.25	0.25	12.32	10.86	
HT20	MCS0	1	1	2412	0.22	0.24	10.42	11.69	
HT20	MCS0	1	6	2437	0.22	0.24	14.00	13.77	
HT20	MCS0	1	11	2462	0.22	0.24	9.65	9.64	
HT20	MCS8	2	1	2412	0.42	0.42	10.50	10.36	13.44
HT20	MCS8	2	6	2437	0.42	0.42	15.08	14.83	17.97
HT20	MCS8	2	11	2462	0.42	0.42	9.51	9.20	12.37

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

TEST RESULTS DATA
Peak Power Spectral Density

21~26

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	1	1	2412	-5.72		-	2.66	1.64	8.00	8.00	Pass
11b	1Mbps	1	6	2437	-6.88			2.66	1.64	8.00	8.00	Pass
11b	1Mbps	1	11	2462	-7.08			2.66	1.64	8.00	8.00	Pass
11g	6Mbps	1	1	2412		-13.78		2.66	1.64	8.00	8.00	Pass
11g	6Mbps	1	6	2437		-10.32		2.66	1.64	8.00	8.00	Pass
11g	6Mbps	1	11	2462		-14.00		2.66	1.64	8.00	8.00	Pass
HT20	MCS0	1	1	2412	-13.56			2.66	1.64	8.00	8.00	Pass
HT20	MCS0	1	6	2437	-9.99			2.66	1.64	8.00	8.00	Pass
HT20	MCS0	1	11	2462	-15.76			2.66	1.64	8.00	8.00	Pass
HT20	MCS8	2	1	2412	-14.30	-14.65	-11.29	5.18		8.00		Pass
HT20	MCS8	2	6	2437	-9.32	-9.33	-6.31	5.18		8.00		Pass
HT20	MCS8	2	11	2462	-15.61	-15.57	-12.56	5.18		8.00		Pass

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