

Report Number : FR4O0971E

Test Engineer:	Alex Lee	Temperature:	21~25	°C
Test Date:	2014/12/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% OBW

FCC Band IV									
Mod.	Data Rate	NTX	Channel	Freq. (MHz)	6 dB Bandwidth (MHz)		FCC 6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745		15.08	0.5	0.5	Pass
11a	6Mbps	1	157	5785		15.08	0.5	0.5	Pass
11a	6Mbps	1	165	5825		15.08	0.5	0.5	Pass
HT20	MCS0	1	149	5745		15.12	0.5	0.5	Pass
HT20	MCS0	1	157	5785		15.12	0.5	0.5	Pass
HT20	MCS0	1	165	5825		15.12	0.5	0.5	Pass
HT40	MCS0	1	151	5755		32.64	0.5	0.5	Pass
HT40	MCS0	1	159	5795		31.36	0.5	0.5	Pass

TEST RESULTS DATA
Average Power Table

FCC Band IV														
Mod.	Data Rate	N	Tx Channel	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	4.90	4.90	12.27	12.82	-	30.00	30.00	4.50	4.50	Pass
11a	6Mbps	1	157	5785	4.90	4.90	17.87	17.88		30.00	30.00	4.50	4.50	Pass
11a	6Mbps	1	165	5825	4.90	4.90	13.91	14.03		30.00	30.00	4.50	4.50	Pass
HT20	MCS0	1	149	5745	4.77	4.77	12.62	12.72		30.00	30.00	4.50	4.50	Pass
HT20	MCS0	1	157	5785	4.77	4.77	17.55	17.56		30.00	30.00	4.50	4.50	Pass
HT20	MCS0	1	165	5825	4.77	4.77	13.63	13.87		30.00	30.00	4.50	4.50	Pass
HT40	MCS0	1	151	5755	5.17	5.14	10.35	10.39		30.00	30.00	4.50	4.50	Pass
HT40	MCS0	1	159	5795	5.17	5.14	13.63	13.80		30.00	30.00	4.50	4.50	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band IV																
Mod.	Data Rate	Nt	Channel	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745		4.90		2.22		-0.13	-	30.00	30.00	4.50	4.50	Pass
11a	6Mbps	1	157	5785		4.90		2.22		4.86		30.00	30.00	4.50	4.50	Pass
11a	6Mbps	1	165	5825		4.90		2.22		0.91		30.00	30.00	4.50	4.50	Pass
HT20	MCS0	1	149	5745		4.77		2.22		-0.32		30.00	30.00	4.50	4.50	Pass
HT20	MCS0	1	157	5785		4.77		2.22		4.49		30.00	30.00	4.50	4.50	Pass
HT20	MCS0	1	165	5825		4.77		2.22		0.79		30.00	30.00	4.50	4.50	Pass
HT40	MCS0	1	151	5755		5.14		2.22		-5.98		30.00	30.00	4.50	4.50	Pass
HT40	MCS0	1	159	5795		5.14		2.22		-2.30		30.00	30.00	4.50	4.50	Pass

TEST RESULTS DATA
Frequency Stability

Band IV										
Mod.	Data Rate	NTX	Channel	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	149	5745	5745.000	0.000	0.00	20	108	
11a	6Mbps	1	149	5745	5745.000	0.000	0.00	20	132	
11a	6Mbps	1	149	5745	5745.000	0.000	0.00	20	120	
11a	6Mbps	1	149	5745	5745.000	0.000	0.00	-30	120	
11a	6Mbps	1	149	5745	5745.000	0.000	0.00	50	120	