Report Number : FR4O0971D

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

Report Number : FR4O0971D

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180		17.80		27.65	-			22.50		
11a	6Mbps	1	44	5220		17.65		25.50	-			22.47		
11a	6Mbps	1	48	5240		18.35		28.15	-			22.64		
HT20	MCS0	1	36	5180		18.50		27.80	-			22.67	-	
HT20	MCS0	1	44	5220		18.45		27.90	-			22.66		
HT20	MCS0	1	48	5240		18.60		28.60	-			22.70		
HT40	MCS0	1	38	5190		36.10		45.09	-			23.01		
HT40	MCS0	1	46	5230		36.20		52.65	-			23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	NTX	Channe	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	36	5180	4.90	4.90	15.54	15.71		24.00	24.00	4.50	4.50	Pass
11a	6Mbps	1	44	5220	4.90	4.90	15.58	15.82		24.00	24.00	4.50	4.50	Pass
11a	6Mbps	1	48	5240	4.90	4.90	15.40	15.56		24.00	24.00	4.50	4.50	Pass
HT20	MCS0	1	36	5180	4.77	4.77	15.71	15.54	-	24.00	24.00	4.50	4.50	Pass
HT20	MCS0	1	44	5220	4.77	4.77	15.35	15.53		24.00	24.00	4.50	4.50	Pass
HT20	MCS0	1	48	5240	4.77	4.77	15.28	15.48		24.00	24.00	4.50	4.50	Pass
HT40	MCS0	1	38	5190	5.17	5.17	11.48	11.76		24.00	24.00	4.50	4.50	Pass
HT40	MCS0	1	46	5230	5.17	5.17	16.60	16.98		24.00	24.00	4.50	4.50	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I														
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	4.90	4.90		5.17		11.00	11.00	4.50	4.50	Pass
11a	6Mbps	1	44	5220	4.90	4.90		5.35		11.00	11.00	4.50	4.50	Pass
11a	6Mbps	1	48	5240	4.90	4.90		5.18		11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	36	5180	4.77	4.77		4.81	-	11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	44	5220	4.77	4.77		5.36		11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	48	5240	4.77	4.77		4.93		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	38	5190	5.17	5.17		-3.04		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	46	5230	5.17	5.17		3.51		11.00	11.00	4.50	4.50	Pass

Report Number : FR4O0971D

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260		17.50		25.50		23.43		29.43		23.98	
11a	6Mbps	1	60	5300		17.35		26.35		23.39		29.39		23.98	
11a	6Mbps	1	64	5320		17.40		25.50		23.41		29.41		23.98	
HT20	MCS0	1	52	5260		18.75		28.10		23.73		29.73		23.98	
HT20	MCS0	1	60	5300		18.60		27.95		23.70		29.70		23.98	
HT20	MCS0	1	64	5320		18.55		28.30		23.68		29.68		23.98	
HT40	MCS0	1	54	5270		36.50		54.81		23.98		30.00		23.98	
HT40	MCS0	1	62	5310		35.90		45.36		23.98		30.00		23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II														
Mod.	Data Rate	NTX	Channe	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	52	5260	4.90	4.90	13.20	13.30			23.98	4.50	4.50	Pass
11a	6Mbps	1	60	5300	4.90	4.90	12.94	13.48			23.98	4.50	4.50	Pass
11a	6Mbps	1	64	5320	4.90	4.90	12.98	13.28			23.98	4.50	4.50	Pass
HT20	MCS0	1	52	5260	4.77	4.77	13.12	13.44			23.98	4.50	4.50	Pass
HT20	MCS0	1	60	5300	4.77	4.77	13.27	13.87	-		23.98	4.50	4.50	Pass
HT20	MCS0	1	64	5320	4.77	4.77	12.79	13.37			23.98	4.50	4.50	Pass
HT40	MCS0	1	54	5270	5.17	5.17	16.86	17.20			23.98	4.50	4.50	Pass
HT40	MCS0	1	62	5310	5.17	5.17	11.80	12.22			23.98	4.50	4.50	Pass

TEST RESULTS DATA
Power Spectral Density

Band II														
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	4.90	4.90		1.84		11.00	11.00	4.50	4.50	Pass
11a	6Mbps	1	60	5300	4.90	4.90		2.31		11.00	11.00	4.50	4.50	Pass
11a	6Mbps	1	64	5320	4.90	4.90		1.67		11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	52	5260	4.77	4.77		1.70		11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	60	5300	4.77	4.77		2.09	-	11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	64	5320	4.77	4.77		1.64		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	54	5270	5.17	5.17		2.94		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	62	5310	5.17	5.17		-2.54		11.00	11.00	4.50	4.50	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500		17.50		27.05		23.43		29.43		23.98	
11a	6Mbps	1	116	5580		19.05		33.35		23.80		29.80		23.98	
11a	6Mbps	1	140	5700		17.25		25.30		23.37		29.37		23.98	
HT20	MCS0	1	100	5500		18.85		29.20		23.75		29.75		23.98	
HT20	MCS0	1	116	5580		18.75		28.60		23.73		29.73		23.98	
HT20	MCS0	1	140	5700		18.50		27.80		23.67		29.67		23.98	
HT40	MCS0	1	102	5510		36.00		44.64		23.98		30.00		23.98	
HT40	MCS0	1	110	5550		36.50		57.69		23.98		30.00		23.98	
HT40	MCS0	1	134	5670		36.10		48.15		23.98		30.00		23.98	

TEST RESULTS DATA
Average Power Table

FCC Band III														
Mod.	Data Rate	NTX	Channe	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	100	5500	4.90	4.90	14.30	14.52			23.98	4.50	4.50	Pass
11a	6Mbps	1	116	5580	4.90	4.90	17.50	18.44			23.98	4.50	4.50	Pass
11a	6Mbps	1	140	5700	4.90	4.90	11.82	11.94			23.98	4.50	4.50	Pass
HT20	MCS0	1	100	5500	4.77	4.77	14.06	14.93			23.98	4.50	4.50	Pass
HT20	MCS0	1	116	5580	4.77	4.77	17.24	17.52	-		23.98	4.50	4.50	Pass
HT20	MCS0	1	140	5700	4.77	4.77	11.76	12.19			23.98	4.50	4.50	Pass
HT40	MCS0	1	102	5510	5.17	5.17	11.52	11.28			23.98	4.50	4.50	Pass
HT40	MCS0	1	110	5550	5.17	5.17	15.78	16.74			23.98	4.50	4.50	Pass
HT40	MCS0	1	134	5670	5.17	5.17	12.56	12.83			23.98	4.50	4.50	Pass

TEST RESULTS DATA
Power Spectral Density

Band III														
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	4.90	4.90		3.18		11.00	11.00	4.50	4.50	Pass
11a	6Mbps	1	116	5580	4.90	4.90		6.91		11.00	11.00	4.50	4.50	Pass
11a	6Mbps	1	140	5700	4.90	4.90		0.06		11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	100	5500	4.77	4.77		2.86		11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	116	5580	4.77	4.77		5.95	-	11.00	11.00	4.50	4.50	Pass
HT20	MCS0	1	140	5700	4.77	4.77		-0.43		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	102	5510	5.17	5.17		-0.42		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	110	5550	5.17	5.17		2.90		11.00	11.00	4.50	4.50	Pass
HT40	MCS0	1	134	5670	5.17	5.17		-1.98		11.00	11.00	4.50	4.50	Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	108	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	132	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	120	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	120	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	120	

Band II										
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	108	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	132	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	120	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	120	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	120	

Band III										
Mod.	Data Rate	NTX	Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	108	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	132	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	120	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	120	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	120	