

Report Number : FR4O0836D

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2014/12/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)		
11a	6Mbps	1	36	5180	17.05	21.05	-	22.32		
11a	6Mbps	1	44	5220	17.15	20.80	-	22.34		
11a	6Mbps	1	48	5240	17.20	20.80	-	22.36		
HT20	MCS0	1	36	5180	18.05	21.45	-	22.56		
HT20	MCS0	1	44	5220	18.05	21.25	-	22.56		
HT20	MCS0	1	48	5240	18.10	21.35	-	22.58		
HT40	MCS0	1	38	5190	36.20	40.86	-	23.01		
HT40	MCS0	1	46	5230	36.30	40.95	-	23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.30	13.59	24.00	1.58		Pass
11a	6Mbps	1	44	5220	0.30	13.39	24.00	1.58		Pass
11a	6Mbps	1	48	5240	0.30	13.30	24.00	1.58		Pass
HT20	MCS0	1	36	5180	0.34	13.48	24.00	1.58		Pass
HT20	MCS0	1	44	5220	0.34	13.33	24.00	1.58		Pass
HT20	MCS0	1	48	5240	0.34	13.17	24.00	1.58		Pass
HT40	MCS0	1	38	5190	0.63	12.77	24.00	1.58		Pass
HT40	MCS0	1	46	5230	0.63	13.58	24.00	1.58		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.30	2.59	11.00	1.58		Pass
11a	6Mbps	1	44	5220	0.30	2.73	11.00	1.58		Pass
11a	6Mbps	1	48	5240	0.30	2.55	11.00	1.58		Pass
HT20	MCS0	1	36	5180	0.34	2.42	11.00	1.58		Pass
HT20	MCS0	1	44	5220	0.34	2.48	11.00	1.58		Pass
HT20	MCS0	1	48	5240	0.34	2.38	11.00	1.58		Pass
HT40	MCS0	1	38	5190	0.63	-1.29	11.00	1.58		Pass
HT40	MCS0	1	46	5230	0.63	-0.25	11.00	1.58		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II										
Mod.	Data Rate	N _{TX}	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
11a	6Mbps	1	52	5260	17.15	20.6	23.34	29.34	23.98	
11a	6Mbps	1	60	5300	17.05	20.7	23.32	29.32	23.98	
11a	6Mbps	1	64	5320	17.15	20.7	23.34	29.34	23.98	
HT20	MCS0	1	52	5260	18.1	21.35	23.58	29.58	23.98	
HT20	MCS0	1	60	5300	18.05	21.15	23.56	29.56	23.98	
HT20	MCS0	1	64	5320	18.05	21.2	23.56	29.56	23.98	
HT40	MCS0	1	54	5270	36.2	41.04	23.98	30.00	23.98	
HT40	MCS0	1	62	5310	36.3	41.31	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	52	5260	0.30	13.23	23.98	2.05		Pass
11a	6Mbps	1	60	5300	0.30	13.21	23.98	2.05		Pass
11a	6Mbps	1	64	5320	0.30	13.12	23.98	2.05		Pass
HT20	MCS0	1	52	5260	0.34	13.20	23.98	2.05		Pass
HT20	MCS0	1	60	5300	0.34	13.05	23.98	2.05		Pass
HT20	MCS0	1	64	5320	0.34	13.15	23.98	2.05		Pass
HT40	MCS0	1	54	5270	0.63	13.54	23.98	2.05		Pass
HT40	MCS0	1	62	5310	0.63	13.47	23.98	2.05		Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6Mbps	1	52	5260	0.30	2.63	11.00	2.05		Pass
11a	6Mbps	1	60	5300	0.30	2.47	11.00	2.05		Pass
11a	6Mbps	1	64	5320	0.30	2.59	11.00	2.05		Pass
HT20	MCS0	1	52	5260	0.34	2.41	11.00	2.05		Pass
HT20	MCS0	1	60	5300	0.34	2.26	11.00	2.05		Pass
HT20	MCS0	1	64	5320	0.34	2.35	11.00	2.05		Pass
HT40	MCS0	1	54	5270	0.63	-0.68	11.00	2.05		Pass
HT40	MCS0	1	62	5310	0.63	-0.57	11.00	2.05		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III										
Mod.	Data Rate	N _{TX}	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
11a	6Mbps	1	100	5500	17.1	20.6	23.33	29.33	23.98	
11a	6Mbps	1	116	5580	17.05	20.4	23.32	29.32	23.98	
11a	6Mbps	1	140	5700	17.15	20.55	23.34	29.34	23.98	
HT20	MCS0	1	100	5500	18.05	21.3	23.56	29.56	23.98	
HT20	MCS0	1	116	5580	18.05	21.5	23.56	29.56	23.98	
HT20	MCS0	1	140	5700	17.95	21.1	23.54	29.54	23.98	
HT40	MCS0	1	102	5510	36.2	41.04	23.98	30.00	23.98	
HT40	MCS0	1	110	5550	36.3	41.13	23.98	30.00	23.98	
HT40	MCS0	1	134	5670	36.3	41.04	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band III										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	100	5500	0.30	13.25	23.98	-0.12		Pass
11a	6Mbps	1	116	5580	0.30	12.71	23.98	-0.12		Pass
11a	6Mbps	1	140	5700	0.30	12.15	23.98	-0.12		Pass
HT20	MCS0	1	100	5500	0.34	13.15	23.98	-0.12		Pass
HT20	MCS0	1	116	5580	0.34	12.69	23.98	-0.12		Pass
HT20	MCS0	1	140	5700	0.34	12.12	23.98	-0.12		Pass
HT40	MCS0	1	102	5510	0.63	11.45	23.98	-0.12		Pass
HT40	MCS0	1	110	5550	0.63	13.24	23.98	-0.12		Pass
HT40	MCS0	1	134	5670	0.63	12.25	23.98	-0.12		Pass

TEST RESULTS DATA
Power Spectral Density

Band III										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6Mbps	1	100	5500	0.30	3.02	11.00	-0.12		Pass
11a	6Mbps	1	116	5580	0.30	1.88	11.00	-0.12		Pass
11a	6Mbps	1	140	5700	0.30	1.47	11.00	-0.12		Pass
HT20	MCS0	1	100	5500	0.34	2.85	11.00	-0.12		Pass
HT20	MCS0	1	116	5580	0.34	1.77	11.00	-0.12		Pass
HT20	MCS0	1	140	5700	0.34	1.31	11.00	-0.12		Pass
HT40	MCS0	1	102	5510	0.63	-2.46	11.00	-0.12		Pass
HT40	MCS0	1	110	5550	0.63	-0.82	11.00	-0.12		Pass
HT40	MCS0	1	134	5670	0.63	-1.85	11.00	-0.12		Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.6	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.2	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.8	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	-10	3.8	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	3.8	

Band II										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.025	0.025	4.70	20	3.6	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	4.2	
11a	6Mbps	1	64	5320	5320.025	0.025	4.70	20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-10	3.8	
11a	6Mbps	1	64	5320	5319.975	-0.025	-4.70	50	3.8	

Band III										
Mod.	Data Rate	N _{TX}	Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.6	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	4.2	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.8	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-10	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.8	