

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2015/07/30~2015/0828	Relative Humidity:	51~54	%

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Band I										
Mod.	Data Rate	NTX	CH.	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	18.10	23.80	-	22.58		
11a	6Mbps	1	44	5220	18.15	23.65	-	22.59		
11a	6Mbps	1	48	5240	18.15	23.45	-	22.59		
HT20	MCS0	1	36	5180	18.95	23.95	-	22.78		
HT20	MCS0	1	44	5220	18.85	24.05	-	22.75		
HT20	MCS0	1	48	5240	18.90	24.10	-	22.76		
HT40	MCS0	1	38	5190	36.50	44.64	-	23.01		
HT40	MCS0	1	46	5230	36.60	44.91	-	23.01		

**TEST RESULTS DATA**  
**Average Power Table**

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.04	16.17	24.00	4.36		Pass
11a	6Mbps	1	44	5220	0.04	16.13	24.00	4.36		Pass
11a	6Mbps	1	48	5240	0.04	16.05	24.00	4.36		Pass
HT20	MCS0	1	36	5180	0.04	16.65	24.00	4.36		Pass
HT20	MCS0	1	44	5220	0.04	16.13	24.00	4.36		Pass
HT20	MCS0	1	48	5240	0.04	16.29	24.00	4.36		Pass
HT40	MCS0	1	38	5190	0.05	14.80	24.00	4.36		Pass
HT40	MCS0	1	46	5230	0.05	14.61	24.00	4.36		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.04	5.04	11.00	4.36		Pass
11a	6Mbps	1	44	5220	0.04	5.37	11.00	4.36		Pass
11a	6Mbps	1	48	5240	0.04	5.20	11.00	4.36		Pass
HT20	MCS0	1	36	5180	0.04	5.46	11.00	4.36		Pass
HT20	MCS0	1	44	5220	0.04	5.08	11.00	4.36		Pass
HT20	MCS0	1	48	5240	0.04	5.11	11.00	4.36		Pass
HT40	MCS0	1	38	5190	0.05	0.25	11.00	4.36		Pass
HT40	MCS0	1	46	5230	0.05	0.22	11.00	4.36		Pass

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Band II										
Mod.	Data Rate	NTX	CH.	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	6M bps	1	52	5260	18.35	23.85	23.64	29.64	23.98	
11a	6M bps	1	60	5300	17.9	23.65	23.53	29.53	23.98	
11a	6M bps	1	64	5320	18.05	23.8	23.56	29.56	23.98	
HT20	MCS 0	1	52	5260	18.95	23.9	23.78	29.78	23.98	
HT20	MCS 0	1	60	5300	18.9	24.05	23.76	29.76	23.98	
HT20	MCS 0	1	64	5320	18.85	23.95	23.75	29.75	23.98	
HT40	MCS 0	1	54	5270	36.5	44.73	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.4	45.09	23.98	30.00	23.98	

**TEST RESULTS DATA**  
**Average Power Table**

FCC Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.04	19.69	23.98	4.98		Pass
11a	6M bps	1	60	5300	0.04	17.51	23.98	4.98		Pass
11a	6M bps	1	64	5320	0.04	17.12	23.98	4.98		Pass
HT20	MCS 0	1	52	5260	0.04	18.96	23.98	4.98		Pass
HT20	MCS 0	1	60	5300	0.04	16.57	23.98	4.98		Pass
HT20	MCS 0	1	64	5320	0.04	16.29	23.98	4.98		Pass
HT40	MCS 0	1	54	5270	0.05	14.52	23.98	4.98		Pass
HT40	MCS 0	1	62	5310	0.05	14.57	23.98	4.98		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.04	8.39	11.00	4.98		Pass
11a	6M bps	1	60	5300	0.04	3.75	11.00	4.98		Pass
11a	6M bps	1	64	5320	0.04	5.82	11.00	4.98		Pass
HT20	MCS 0	1	52	5260	0.04	7.25	11.00	4.98		Pass
HT20	MCS 0	1	60	5300	0.04	2.62	11.00	4.98		Pass
HT20	MCS 0	1	64	5320	0.04	4.38	11.00	4.98		Pass
HT40	MCS 0	1	54	5270	0.05	0.11	11.00	4.98		Pass
HT40	MCS 0	1	62	5310	0.05	0.11	11.00	4.98		Pass

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Band III										
Mod.	Data Rate	NTX	CH.	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	6M bps	1	100	5500	18	23.55	23.55	29.55	23.98	
11a	6M bps	1	116	5580	18.2	24.1	23.60	29.60	23.98	
11a	6M bps	1	140	5700	18.05	23.55	23.56	29.56	23.98	
HT20	MCS 0	1	100	5500	18.95	23.95	23.78	29.78	23.98	
HT20	MCS 0	1	116	5580	18.9	23.95	23.76	29.76	23.98	
HT20	MCS 0	1	140	5700	19.05	23.9	23.80	29.80	23.98	
HT40	MCS 0	1	102	5510	36.6	44.91	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.5	44.64	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.5	45.18	23.98	30.00	23.98	



**TEST RESULTS DATA**  
**Average Power Table**

FCC Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.04	15.16	23.98	5.49		Pass
11a	6M bps	1	116	5580	0.04	19.57	23.98	5.49		Pass
11a	6M bps	1	140	5700	0.04	16.25	23.98	5.49		Pass
HT20	MCS 0	1	100	5500	0.04	15.26	23.98	5.49		Pass
HT20	MCS 0	1	116	5580	0.04	18.75	23.98	5.49		Pass
HT20	MCS 0	1	140	5700	0.04	16.29	23.98	5.49		Pass
HT40	MCS 0	1	102	5510	0.05	12.67	23.98	5.49		Pass
HT40	MCS 0	1	110	5550	0.05	14.76	23.98	5.49		Pass
HT40	MCS 0	1	134	5670	0.05	14.69	23.98	5.49		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.04	3.90	11.00	5.49		Pass
11a	6M bps	1	116	5580	0.04	8.25	11.00	5.49		Pass
11a	6M bps	1	140	5700	0.04	4.71	11.00	5.49		Pass
HT20	MCS 0	1	100	5500	0.04	3.42	11.00	5.49		Pass
HT20	MCS 0	1	116	5580	0.04	7.15	11.00	5.49		Pass
HT20	MCS 0	1	140	5700	0.04	4.54	11.00	5.49		Pass
HT40	MCS 0	1	102	5510	0.05	-1.77	11.00	5.49		Pass
HT40	MCS 0	1	110	5550	0.05	0.47	11.00	5.49		Pass
HT40	MCS 0	1	134	5670	0.05	0.01	11.00	5.49		Pass

**TEST RESULTS DATA**  
**Frequency Stability**

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	3.3	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	4.2	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.7	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	3.7	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	50	3.7	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	3.3	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	4.2	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	3.7	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	3.7	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	50	3.7	

Band III										
Mod.	Data Rate	NTX	CH.	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	3.3	
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	3.7	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	3.7	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.7	