

Test Engineer:	AC Chang	Temperature:	21~26	°C
Test Date:	2015/2/17~2015/3/2	Relative Humidity:	45~54	%

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	18.25	23.45	-	22.61		
11a	6Mbps	1	44	5220	18.20	23.70	-	22.60		
11a	6Mbps	1	48	5240	18.00	23.75	-	22.55		
HT20	MCS0	1	36	5180	19.00	23.95	-	22.79		
HT20	MCS0	1	44	5220	18.90	24.25	-	22.76		
HT20	MCS0	1	48	5240	18.85	24.05	-	22.75		
HT40	MCS0	1	38	5190	36.40	44.55	-	23.01		
HT40	MCS0	1	46	5230	36.60	44.82	-	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	0.56	13.88	24.00	-1.00		Pass
11a	6Mbps	1	44	5220	0.56	13.98	24.00	-1.00		Pass
11a	6Mbps	1	48	5240	0.56	13.90	24.00	-1.00		Pass
HT20	MCS0	1	36	5180	0.63	13.98	24.00	-1.00		Pass
HT20	MCS0	1	44	5220	0.63	13.95	24.00	-1.00		Pass
HT20	MCS0	1	48	5240	0.63	13.88	24.00	-1.00		Pass
HT40	MCS0	1	38	5190	1.21	12.76	24.00	-1.00		Pass
HT40	MCS0	1	46	5230	1.21	12.60	24.00	-1.00		Pass

IC Band I										
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	36	5180	0.56	13.88	23.61	-1.00	22.61	Pass
11a	6Mbps	1	44	5220	0.56	13.98	23.60	-1.00	22.60	Pass
11a	6Mbps	1	48	5240	0.56	13.90	23.55	-1.00	22.55	Pass
HT20	MCS0	1	36	5180	0.63	13.98	23.79	-1.00	22.79	Pass
HT20	MCS0	1	44	5220	0.63	13.95	23.76	-1.00	22.76	Pass
HT20	MCS0	1	48	5240	0.63	13.88	23.75	-1.00	22.75	Pass
HT40	MCS0	1	38	5190	1.21	12.76	24.01	-1.00	23.01	Pass
HT40	MCS0	1	46	5230	1.21	12.60	24.01	-1.00	23.01	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	N _{Tx}	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	0.56	1.80	11.00	-1.00		Pass
11a	6Mbps	1	44	5220	0.56	1.61	11.00	-1.00		Pass
11a	6Mbps	1	48	5240	0.56	1.49	11.00	-1.00		Pass
HT20	MCS0	1	36	5180	0.63	1.61	11.00	-1.00		Pass
HT20	MCS0	1	44	5220	0.63	1.71	11.00	-1.00		Pass
HT20	MCS0	1	48	5240	0.63	1.43	11.00	-1.00		Pass
HT40	MCS0	1	38	5190	1.21	-2.49	11.00	-1.00		Pass
HT40	MCS0	1	46	5230	1.21	-2.76	11.00	-1.00		Pass

IC Band I										
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	IC EIRP PSD Limit (dBm/MHz)	Pass/Fail
11a	6Mbps	1	36	5180	0.56	1.80	11.00	-1.00	10	Pass
11a	6Mbps	1	44	5220	0.56	1.61	11.00	-1.00	10	Pass
11a	6Mbps	1	48	5240	0.56	1.49	11.00	-1.00	10	Pass
HT20	MCS0	1	36	5180	0.63	1.61	11.00	-1.00	10	Pass
HT20	MCS0	1	44	5220	0.63	1.71	11.00	-1.00	10	Pass
HT20	MCS0	1	48	5240	0.63	1.43	11.00	-1.00	10	Pass
HT40	MCS0	1	38	5190	1.21	-2.49	11.00	-1.00	10	Pass
HT40	MCS0	1	46	5230	1.21	-2.76	11.00	-1.00	10	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II										
Mod.	Data Rate	N _{Tx}	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	18.05	23.45	23.56	29.56	23.98	
11a	6M bps	1	60	5300	18.1	23.4	23.58	29.58	23.98	
11a	6M bps	1	64	5320	18.05	23.35	23.56	29.56	23.98	
HT20	MCS 0	1	52	5260	18.9	24.05	23.76	29.76	23.98	
HT20	MCS 0	1	60	5300	18.85	24.05	23.75	29.75	23.98	
HT20	MCS 0	1	64	5320	18.8	23.95	23.74	29.74	23.98	
HT40	MCS 0	1	54	5270	36.4	45.09	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.6	44.19	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II										
Mod.	Data Rate	N _{TX}	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	0.56	13.80	23.98	-0.90		Pass
11a	6M bps	1	60	5300	0.56	13.86	23.98	-0.90		Pass
11a	6M bps	1	64	5320	0.56	13.97	23.98	-0.90		Pass
HT20	MCS 0	1	52	5260	0.63	13.83	23.98	-0.90		Pass
HT20	MCS 0	1	60	5300	0.63	13.97	23.98	-0.90		Pass
HT20	MCS 0	1	64	5320	0.63	13.98	23.98	-0.90		Pass
HT40	MCS 0	1	54	5270	1.21	12.62	23.98	-0.90		Pass
HT40	MCS 0	1	62	5310	1.21	12.52	23.98	-0.90		Pass

IC Band II										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	52	5260	0.56	13.80	23.56	-0.90	29.56	Pass
11a	6M bps	1	60	5300	0.56	13.86	23.58	-0.90	29.58	Pass
11a	6M bps	1	64	5320	0.56	13.97	23.56	-0.90	29.56	Pass
HT20	MCS 0	1	52	5260	0.63	13.83	23.76	-0.90	29.76	Pass
HT20	MCS 0	1	60	5300	0.63	13.97	23.75	-0.90	29.75	Pass
HT20	MCS 0	1	64	5320	0.63	13.98	23.74	-0.90	29.74	Pass
HT40	MCS 0	1	54	5270	1.21	12.62	23.98	-0.90	30.00	Pass
HT40	MCS 0	1	62	5310	1.21	12.52	23.98	-0.90	30.00	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	0.56	1.42	11.00	-0.90		Pass
11a	6M bps	1	60	5300	0.56	1.80	11.00	-0.90		Pass
11a	6M bps	1	64	5320	0.56	1.93	11.00	-0.90		Pass
HT20	MCS 0	1	52	5260	0.63	1.38	11.00	-0.90		Pass
HT20	MCS 0	1	60	5300	0.63	1.85	11.00	-0.90		Pass
HT20	MCS 0	1	64	5320	0.63	1.55	11.00	-0.90		Pass
HT40	MCS 0	1	54	5270	1.21	-2.55	11.00	-0.90		Pass
HT40	MCS 0	1	62	5310	1.21	-2.34	11.00	-0.90		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III										
Mod.	Data Rate	N _{Tx}	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	23.6	23.55	29.55	23.98	
11a	6M bps	1	116	5580	18.05	23.7	23.56	29.56	23.98	
11a	6M bps	1	140	5700	17.95	23.9	23.54	29.54	23.98	
HT20	MCS 0	1	100	5500	18.85	24.05	23.75	29.75	23.98	
HT20	MCS 0	1	116	5580	18.8	24.2	23.74	29.74	23.98	
HT20	MCS 0	1	140	5700	18.95	23.9	23.78	29.78	23.98	
HT40	MCS 0	1	102	5510	36.3	44.55	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.5	44.91	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.6	45.18	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band III										
Mod.	Data Rate	N _{TX}	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	0.56	13.98	23.98	0.10		Pass
11a	6M bps	1	116	5580	0.56	13.59	23.98	0.10		Pass
11a	6M bps	1	140	5700	0.56	13.79	23.98	0.10		Pass
HT20	MCS 0	1	100	5500	0.63	13.78	23.98	0.10		Pass
HT20	MCS 0	1	116	5580	0.63	13.71	23.98	0.10		Pass
HT20	MCS 0	1	140	5700	0.63	13.75	23.98	0.10		Pass
HT40	MCS 0	1	102	5510	1.21	12.81	23.98	0.10		Pass
HT40	MCS 0	1	110	5550	1.21	12.73	23.98	0.10		Pass
HT40	MCS 0	1	134	5670	1.21	12.72	23.98	0.10		Pass

IC Band III										
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	100	5500	0.56	13.98	23.55	0.10	29.55	Pass
11a	6Mbps	1	116	5580	0.56	13.59	23.56	0.10	29.56	Pass
11a	6Mbps	1	140	5700	0.56	13.79	23.54	0.10	29.54	Pass
HT20	MCS0	1	100	5500	0.63	13.78	23.75	0.10	29.75	Pass
HT20	MCS0	1	116	5580	0.63	13.71	23.74	0.10	29.74	Pass
HT20	MCS0	1	140	5700	0.63	13.75	23.78	0.10	29.78	Pass
HT40	MCS0	1	102	5510	1.21	12.81	23.98	0.10	30.00	Pass
HT40	MCS0	1	110	5550	1.21	12.73	23.98	0.10	30.00	Pass
HT40	MCS0	1	134	5670	1.21	12.72	23.98	0.10	30.00	Pass

TEST RESULTS DATA
Power Spectral Density

Band III										
Mod.	Data Rate	N _{Tx}	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	0.56	2.59	11.00	0.10		Pass
11a	6M bps	1	116	5580	0.56	1.73	11.00	0.10		Pass
11a	6M bps	1	140	5700	0.56	1.81	11.00	0.10		Pass
HT20	MCS 0	1	100	5500	0.63	2.02	11.00	0.10		Pass
HT20	MCS 0	1	116	5580	0.63	1.50	11.00	0.10		Pass
HT20	MCS 0	1	140	5700	0.63	1.83	11.00	0.10		Pass
HT40	MCS 0	1	102	5510	1.21	-1.48	11.00	0.10		Pass
HT40	MCS 0	1	110	5550	1.21	-2.02	11.00	0.10		Pass
HT40	MCS 0	1	134	5670	1.21	-1.98	11.00	0.10		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	5180.050	0.050	9.65	20	3.2	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.2	
11a	6Mbps	1	36	5180	5180.025	0.025	4.83	20	3.7	
11a	6Mbps	1	36	5180	5180.125	0.125	24.13	-30	3.7	
11a	6Mbps	1	36	5180	5180.075	0.075	14.48	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	5320.050	0.050	9.40	20	3.2	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	4.2	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	3.7	
11a	6Mbps	1	64	5320	5320.100	0.100	18.80	-30	3.7	
11a	6Mbps	1	64	5320	5320.050	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	5500.075	0.075	13.64	20	3.2	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	4.2	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	3.7	
11a	6Mbps	1	100	5500	5500.125	0.125	22.73	-30	3.7	
11a	6Mbps	1	100	5500	5500.100	0.100	18.18	50	3.7	