

Test Engineer:	AC Chang	Temperature:	21~25	°C
Test Date:	2015/12/07~2015/12/12	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	16.85	21.10	-	22.27		
11a	6Mbps	1	44	5220	16.85	20.80	-	22.27		
11a	6Mbps	1	48	5240	16.85	21.00	-	22.27		
HT20	MCS0	1	36	5180	17.85	21.90	-	22.52		
HT20	MCS0	1	44	5220	17.85	21.90	-	22.52		
HT20	MCS0	1	48	5240	17.80	22.00	-	22.50		
HT40	MCS0	1	38	5190	36.00	43.02	-	23.01		
HT40	MCS0	1	46	5230	36.10	42.12	-	23.01		
VHT20	MCS0	1	36	5180	17.80	21.80	-	22.50		
VHT20	MCS0	1	44	5220	17.80	22.00	-	22.50		
VHT20	MCS0	1	48	5240	17.85	22.20	-	22.52		
VHT40	MCS0	1	38	5190	36.20	44.64	-	23.01		
VHT40	MCS0	1	46	5230	36.10	41.94	-	23.01		
VHT80	MCS0	1	42	5210	75.00	84.80	-	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	0.12	14.26	24.00	-1.20		Pass
11a	6Mbps	1	44	5220	0.12	14.03	24.00	-1.20		Pass
11a	6Mbps	1	48	5240	0.12	13.98	24.00	-1.20		Pass
HT20	MCS0	1	36	5180	0.13	14.19	24.00	-1.20		Pass
HT20	MCS0	1	44	5220	0.13	13.86	24.00	-1.20		Pass
HT20	MCS0	1	48	5240	0.13	13.83	24.00	-1.20		Pass
HT40	MCS0	1	38	5190	0.27	14.71	24.00	-1.20		Pass
HT40	MCS0	1	46	5230	0.27	14.42	24.00	-1.20		Pass
VHT20	MCS0	1	36	5180	0.13	12.23	24.00	-1.20		Pass
VHT20	MCS0	1	44	5220	0.13	11.91	24.00	-1.20		Pass
VHT20	MCS0	1	48	5240	0.13	11.83	24.00	-1.20		Pass
VHT40	MCS0	1	38	5190	0.27	11.75	24.00	-1.20		Pass
VHT40	MCS0	1	46	5230	0.27	11.51	24.00	-1.20		Pass
VHT80	MCS0	1	42	5210	0.53	12.50	24.00	-1.20		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	0.12	14.26	23.47	-1.20	22.27	Pass
11a	6Mbps	1	44	5220	0.12	14.03	23.47	-1.20	22.27	Pass
11a	6Mbps	1	48	5240	0.12	13.98	23.47	-1.20	22.27	Pass
HT20	MCS0	1	36	5180	0.13	14.19	23.72	-1.20	22.52	Pass
HT20	MCS0	1	44	5220	0.13	13.86	23.72	-1.20	22.52	Pass
HT20	MCS0	1	48	5240	0.13	13.83	23.70	-1.20	22.50	Pass
HT40	MCS0	1	38	5190	0.27	14.71	24.21	-1.20	23.01	Pass
HT40	MCS0	1	46	5230	0.27	14.42	24.21	-1.20	23.01	Pass
VHT20	MCS0	1	36	5180	0.13	12.23	23.70	-1.20	22.50	Pass
VHT20	MCS0	1	44	5220	0.13	11.91	23.70	-1.20	22.50	Pass
VHT20	MCS0	1	48	5240	0.13	11.83	23.72	-1.20	22.52	Pass
VHT40	MCS0	1	38	5190	0.27	11.75	24.21	-1.20	23.01	Pass
VHT40	MCS0	1	46	5230	0.27	11.51	24.21	-1.20	23.01	Pass
VHT80	MCS0	1	42	5210	0.53	12.50	24.21	-1.20	23.01	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	0.12	2.47	11.00	-1.20		Pass
11a	6Mbps	1	44	5220	0.12	2.51	11.00	-1.20		Pass
11a	6Mbps	1	48	5240	0.12	2.63	11.00	-1.20		Pass
HT20	MCS0	1	36	5180	0.13	2.12	11.00	-1.20		Pass
HT20	MCS0	1	44	5220	0.13	2.15	11.00	-1.20		Pass
HT20	MCS0	1	48	5240	0.13	2.25	11.00	-1.20		Pass
HT40	MCS0	1	38	5190	0.27	-0.30	11.00	-1.20		Pass
HT40	MCS0	1	46	5230	0.27	-0.24	11.00	-1.20		Pass
VHT20	MCS0	1	36	5180	0.13	0.17	11.00	-1.20		Pass
VHT20	MCS0	1	44	5220	0.13	0.18	11.00	-1.20		Pass
VHT20	MCS0	1	48	5240	0.13	0.26	11.00	-1.20		Pass
VHT40	MCS0	1	38	5190	0.27	-3.25	11.00	-1.20		Pass
VHT40	MCS0	1	46	5230	0.27	-3.20	11.00	-1.20		Pass
VHT80	MCS0	1	42	5210	0.53	-5.59	11.00	-1.20		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	16.85	21	23.27	29.27	23.98	
11a	6M bps	1	60	5300	16.85	21	23.27	29.27	23.98	
11a	6M bps	1	64	5320	16.85	21	23.27	29.27	23.98	
HT20	MCS 0	1	52	5260	17.85	22	23.52	29.52	23.98	
HT20	MCS 0	1	60	5300	17.85	22	23.52	29.52	23.98	
HT20	MCS 0	1	64	5320	17.8	22.1	23.50	29.50	23.98	
HT40	MCS 0	1	54	5270	36	44.28	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.2	41.94	23.98	30.00	23.98	
VHT20	MCS 0	1	52	5260	17.85	22	23.52	29.52	23.98	
VHT20	MCS 0	1	60	5300	17.85	21.9	23.52	29.52	23.98	
VHT20	MCS 0	1	64	5320	17.85	22.1	23.52	29.52	23.98	
VHT40	MCS 0	1	54	5270	36.1	44.64	23.98	30.00	23.98	
VHT40	MCS 0	1	62	5310	36.2	43.74	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	75	84.16	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	0.12	13.95	23.98	-1.00		Pass
11a	6M bps	1	60	5300	0.12	13.96	23.98	-1.00		Pass
11a	6M bps	1	64	5320	0.12	14.13	23.98	-1.00		Pass
HT20	MCS 0	1	52	5260	0.13	13.78	23.98	-1.00		Pass
HT20	MCS 0	1	60	5300	0.13	13.73	23.98	-1.00		Pass
HT20	MCS 0	1	64	5320	0.13	14.05	23.98	-1.00		Pass
HT40	MCS 0	1	54	5270	0.27	14.45	23.98	-1.00		Pass
HT40	MCS 0	1	62	5310	0.27	14.67	23.98	-1.00		Pass
VHT20	MCS 0	1	52	5260	0.13	11.78	23.98	-1.00		Pass
VHT20	MCS 0	1	60	5300	0.13	11.80	23.98	-1.00		Pass
VHT20	MCS 0	1	64	5320	0.13	12.17	23.98	-1.00		Pass
VHT40	MCS 0	1	54	5270	0.27	11.50	23.98	-1.00		Pass
VHT40	MCS 0	1	62	5310	0.27	11.58	23.98	-1.00		Pass
VHT80	MCS 0	1	58	5290	0.53	12.48	23.98	-1.00		Pass

IC Band II										
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	6M bps	1	52	5260	0.12	13.95	23.27	-1.00	29.27	Pass
11a	6M bps	1	60	5300	0.12	13.96	23.27	-1.00	29.27	Pass
11a	6M bps	1	64	5320	0.12	14.13	23.27	-1.00	29.27	Pass
HT20	MCS 0	1	52	5260	0.13	13.78	23.52	-1.00	29.52	Pass
HT20	MCS 0	1	60	5300	0.13	13.73	23.52	-1.00	29.52	Pass
HT20	MCS 0	1	64	5320	0.13	14.05	23.50	-1.00	29.50	Pass
HT40	MCS 0	1	54	5270	0.27	14.45	23.98	-1.00	30.00	Pass
HT40	MCS 0	1	62	5310	0.27	14.67	23.98	-1.00	30.00	Pass
VHT20	MCS 0	1	52	5260	0.13	11.78	23.52	-1.00	29.52	Pass
VHT20	MCS 0	1	60	5300	0.13	11.80	23.52	-1.00	29.52	Pass
VHT20	MCS 0	1	64	5320	0.13	12.17	23.52	-1.00	29.52	Pass
VHT40	MCS 0	1	54	5270	0.27	11.50	23.98	-1.00	30.00	Pass
VHT40	MCS 0	1	62	5310	0.27	11.58	23.98	-1.00	30.00	Pass
VHT80	MCS 0	1	58	5290	0.53	12.48	23.98	-1.00	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	0.12	2.74	11.00	-1.00		Pass
11a	6M bps	1	60	5300	0.12	2.48	11.00	-1.00		Pass
11a	6M bps	1	64	5320	0.12	2.49	11.00	-1.00		Pass
HT20	MCS 0	1	52	5260	0.13	2.30	11.00	-1.00		Pass
HT20	MCS 0	1	60	5300	0.13	2.11	11.00	-1.00		Pass
HT20	MCS 0	1	64	5320	0.13	2.03	11.00	-1.00		Pass
HT40	MCS 0	1	54	5270	0.27	-0.06	11.00	-1.00		Pass
HT40	MCS 0	1	62	5310	0.27	-0.35	11.00	-1.00		Pass
VHT20	MCS 0	1	52	5260	0.13	0.40	11.00	-1.00		Pass
VHT20	MCS 0	1	60	5300	0.13	0.11	11.00	-1.00		Pass
VHT20	MCS 0	1	64	5320	0.13	0.12	11.00	-1.00		Pass
VHT40	MCS 0	1	54	5270	0.27	-3.04	11.00	-1.00		Pass
VHT40	MCS 0	1	62	5310	0.27	-3.27	11.00	-1.00		Pass
VHT80	MCS 0	1	58	5290	0.53	-5.40	11.00	-1.00		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	16.8	20.9	23.25	29.25	23.98	
11a	6M bps	1	116	5580	16.8	21	23.25	29.25	23.98	
11a	6M bps	1	140	5700	16.85	20.9	23.27	29.27	23.98	
HT20	MCS 0	1	100	5500	17.85	22	23.52	29.52	23.98	
HT20	MCS 0	1	116	5580	17.85	21.9	23.52	29.52	23.98	
HT20	MCS 0	1	140	5700	17.8	21.9	23.50	29.50	23.98	
HT40	MCS 0	1	102	5510	36.1	44.28	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.1	43.74	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.2	42.3	23.98	30.00	23.98	
VHT20	MCS 0	1	100	5500	17.8	22	23.50	29.50	23.98	
VHT20	MCS 0	1	116	5580	17.85	22	23.52	29.52	23.98	
VHT20	MCS 0	1	140	5700	17.85	21.9	23.52	29.52	23.98	
VHT40	MCS 0	1	102	5510	36.2	42.12	23.98	30.00	23.98	
VHT40	MCS 0	1	110	5550	36	42.3	23.98	30.00	23.98	
VHT40	MCS 0	1	134	5670	36.2	42.84	23.98	30.00	23.98	
VHT80	MCS 0	1	106	5530	75.12	83.84	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	0.12	13.95	23.98	1.20		Pass
11a	6M bps	1	116	5580	0.12	13.92	23.98	1.20		Pass
11a	6M bps	1	140	5700	0.12	13.66	23.98	1.20		Pass
HT20	MCS 0	1	100	5500	0.13	13.87	23.98	1.20		Pass
HT20	MCS 0	1	116	5580	0.13	13.74	23.98	1.20		Pass
HT20	MCS 0	1	140	5700	0.13	13.52	23.98	1.20		Pass
HT40	MCS 0	1	102	5510	0.27	14.38	23.98	1.20		Pass
HT40	MCS 0	1	110	5550	0.27	14.37	23.98	1.20		Pass
HT40	MCS 0	1	134	5670	0.27	14.02	23.98	1.20		Pass
VHT20	MCS 0	1	100	5500	0.13	12.01	23.98	1.20		Pass
VHT20	MCS 0	1	116	5580	0.13	11.84	23.98	1.20		Pass
VHT20	MCS 0	1	140	5700	0.13	11.47	23.98	1.20		Pass
VHT40	MCS 0	1	102	5510	0.27	11.48	23.98	1.20		Pass
VHT40	MCS 0	1	110	5550	0.27	11.47	23.98	1.20		Pass
VHT40	MCS 0	1	134	5670	0.27	11.12	23.98	1.20		Pass
VHT80	MCS 0	1	106	5530	0.53	12.28	23.98	1.20		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	0.12	13.95	23.25	1.20	29.25	Pass
11a	6Mbps	1	116	5580	0.12	13.92	23.25	1.20	29.25	Pass
11a	6Mbps	1	140	5700	0.12	13.66	23.27	1.20	29.27	Pass
HT20	MCS0	1	100	5500	0.13	13.87	23.52	1.20	29.52	Pass
HT20	MCS0	1	116	5580	0.13	13.74	23.52	1.20	29.52	Pass
HT20	MCS0	1	140	5700	0.13	13.52	23.50	1.20	29.50	Pass
HT40	MCS0	1	102	5510	0.27	14.38	23.98	1.20	30.00	Pass
HT40	MCS0	1	110	5550	0.27	14.37	23.98	1.20	30.00	Pass
HT40	MCS0	1	134	5670	0.27	14.02	23.98	1.20	30.00	Pass
VHT20	MCS0	1	100	5500	0.13	12.01	23.50	1.20	29.50	Pass
VHT20	MCS0	1	116	5580	0.13	11.84	23.52	1.20	29.52	Pass
VHT20	MCS0	1	140	5700	0.13	11.47	23.52	1.20	29.52	Pass
VHT40	MCS0	1	102	5510	0.27	11.48	23.98	1.20	30.00	Pass
VHT40	MCS0	1	110	5550	0.27	11.47	23.98	1.20	30.00	Pass
VHT40	MCS0	1	134	5670	0.27	11.12	23.98	1.20	30.00	Pass
VHT80	MCS0	1	106	5530	0.53	12.18	23.98	1.20	30.00	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	0.12	3.26	11.00	1.20		Pass
11a	6M bps	1	116	5580	0.12	3.58	11.00	1.20		Pass
11a	6M bps	1	140	5700	0.12	1.59	11.00	1.20		Pass
HT20	MCS 0	1	100	5500	0.13	2.79	11.00	1.20		Pass
HT20	MCS 0	1	116	5580	0.13	3.05	11.00	1.20		Pass
HT20	MCS 0	1	140	5700	0.13	1.21	11.00	1.20		Pass
HT40	MCS 0	1	102	5510	0.27	0.37	11.00	1.20		Pass
HT40	MCS 0	1	110	5550	0.27	0.71	11.00	1.20		Pass
HT40	MCS 0	1	134	5670	0.27	-1.17	11.00	1.20		Pass
VHT20	MCS 0	1	100	5500	0.13	0.91	11.00	1.20		Pass
VHT20	MCS 0	1	116	5580	0.13	1.13	11.00	1.20		Pass
VHT20	MCS 0	1	140	5700	0.13	-0.64	11.00	1.20		Pass
VHT40	MCS 0	1	102	5510	0.27	-2.40	11.00	1.20		Pass
VHT40	MCS 0	1	110	5550	0.27	-2.25	11.00	1.20		Pass
VHT40	MCS 0	1	134	5670	0.27	-4.12	11.00	1.20		Pass
VHT80	MCS 0	1	106	5530	0.53	-4.70	11.00	1.20		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	5180.000	0.000	0.00	20	3.5	
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	5180.000	0.000	0.00	-20	3.8	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	3.8	

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	5320.000	0.000	0.00	20	3.5	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	4.2	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	3.8	

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	3.5	
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	5500.000	0.000	0.00	-20	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.8	