

Test Engineer:	Alen Tsui	Temperature:	21~25	°C
Test Date:	Jan. 12, 2015 ~ Jan. 28, 2015	Relative Humidity:	51~54	%

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)		
11a	6Mbps	1	36	5180	18.20	23.05	-	22.60		
11a	6Mbps	1	44	5220	18.25	23.10	-	22.61		
11a	6Mbps	1	48	5240	18.10	23.15	-	22.58		
HT20	MCS0	1	36	5180	18.85	23.30	-	22.75		
HT20	MCS0	1	44	5220	18.90	23.45	-	22.76		
HT20	MCS0	1	48	5240	18.80	23.00	-	22.74		
HT40	MCS0	1	38	5190	36.60	41.49	-	23.01		
HT40	MCS0	1	46	5230	36.70	41.49	-	23.01		
VHT20	MCS0	1	36	5180	19.00	23.20	-	22.79		
VHT20	MCS0	1	44	5220	18.90	23.30	-	22.76		
VHT20	MCS0	1	48	5240	18.95	23.35	-	22.78		
VHT40	MCS0	1	38	5190	36.60	41.49	-	23.01		
VHT40	MCS0	1	46	5230	36.80	41.49	-	23.01		
VHT80	MCS0	1	42	5210	75.72	82.72	-	23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I										
Mod.	Data Rate	N	Tx Channel	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.29	11.48	24.00	1.50		Pass
11a	6Mbps	1	44	5220	0.29	11.43	24.00	1.50		Pass
11a	6Mbps	1	48	5240	0.29	11.25	24.00	1.50		Pass
HT20	MCS0	1	36	5180	0.34	11.49	24.00	1.50		Pass
HT20	MCS0	1	44	5220	0.34	11.44	24.00	1.50		Pass
HT20	MCS0	1	48	5240	0.34	11.37	24.00	1.50		Pass
HT40	MCS0	1	38	5190	0.62	11.42	24.00	1.50		Pass
HT40	MCS0	1	46	5230	0.62	11.49	24.00	1.50		Pass
VHT20	MCS0	1	36	5180	0.34	11.22	24.00	1.50		Pass
VHT20	MCS0	1	44	5220	0.34	11.44	24.00	1.50		Pass
VHT20	MCS0	1	48	5240	0.34	11.41	24.00	1.50		Pass
VHT40	MCS0	1	38	5190	0.60	11.45	24.00	1.50		Pass
VHT40	MCS0	1	46	5230	0.60	11.41	24.00	1.50		Pass
VHT80	MCS0	1	42	5210	1.13	11.41	24.00	1.50		Pass

IC Band I										
Mod.	Data Rate	N	Tx Channel	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	0.29	11.48	21.10	1.50	22.60	Pass
11a	6Mbps	1	44	5220	0.29	11.43	21.11	1.50	22.61	Pass
11a	6Mbps	1	48	5240	0.29	11.25	21.08	1.50	22.58	Pass
HT20	MCS0	1	36	5180	0.34	11.49	21.25	1.50	22.75	Pass
HT20	MCS0	1	44	5220	0.34	11.44	21.26	1.50	22.76	Pass
HT20	MCS0	1	48	5240	0.34	11.37	21.24	1.50	22.74	Pass
HT40	MCS0	1	38	5190	0.62	11.42	21.51	1.50	23.01	Pass
HT40	MCS0	1	46	5230	0.62	11.49	21.51	1.50	23.01	Pass
VHT20	MCS0	1	36	5180	0.34	11.22	21.29	1.50	22.79	Pass
VHT20	MCS0	1	44	5220	0.34	11.44	21.26	1.50	22.76	Pass
VHT20	MCS0	1	48	5240	0.34	11.41	21.28	1.50	22.78	Pass
VHT40	MCS0	1	38	5190	0.60	11.45	21.51	1.50	23.01	Pass
VHT40	MCS0	1	46	5230	0.60	11.41	21.51	1.50	23.01	Pass
VHT80	MCS0	1	42	5210	1.13	11.41	21.51	1.50	23.01	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
11a	6Mbps	1	36	5180	0.29	-2.36	11.00	1.50		Pass
11a	6Mbps	1	44	5220	0.29	-2.26	11.00	1.50		Pass
11a	6Mbps	1	48	5240	0.29	-2.96	11.00	1.50		Pass
HT20	MCS0	1	36	5180	0.34	-4.06	11.00	1.50		Pass
HT20	MCS0	1	44	5220	0.34	-3.33	11.00	1.50		Pass
HT20	MCS0	1	48	5240	0.34	-3.41	11.00	1.50		Pass
HT40	MCS0	1	38	5190	0.62	-6.25	11.00	1.50		Pass
HT40	MCS0	1	46	5230	0.62	-6.48	11.00	1.50		Pass
VHT20	MCS0	1	36	5180	0.34	-3.06	11.00	1.50		Pass
VHT20	MCS0	1	44	5220	0.34	-3.23	11.00	1.50		Pass
VHT20	MCS0	1	48	5240	0.34	-3.15	11.00	1.50		Pass
VHT40	MCS0	1	38	5190	0.60	-5.51	11.00	1.50		Pass
VHT40	MCS0	1	46	5230	0.60	-6.01	11.00	1.50		Pass
VHT80	MCS0	1	42	5210	1.13	-8.93	11.00	1.50		Pass

IC Band I										
Mod.	Data Rate	NTX	Channe	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	0.29	-2.36	8.50	1.50	10	Pass
11a	6Mbps	1	44	5220	0.29	-2.26	8.50	1.50	10	Pass
11a	6Mbps	1	48	5240	0.29	-2.96	8.50	1.50	10	Pass
HT20	MCS0	1	36	5180	0.34	-4.06	8.50	1.50	10	Pass
HT20	MCS0	1	44	5220	0.34	-3.33	8.50	1.50	10	Pass
HT20	MCS0	1	48	5240	0.34	-3.41	8.50	1.50	10	Pass
HT40	MCS0	1	38	5190	0.62	-6.25	8.50	1.50	10	Pass
HT40	MCS0	1	46	5230	0.62	-6.48	8.50	1.50	10	Pass
VHT20	MCS0	1	36	5180	0.34	-3.06	8.50	1.50	10	Pass
VHT20	MCS0	1	44	5220	0.34	-3.23	8.50	1.50	10	Pass
VHT20	MCS0	1	48	5240	0.34	-3.15	8.50	1.50	10	Pass
VHT40	MCS0	1	38	5190	0.60	-5.51	8.50	1.50	10	Pass
VHT40	MCS0	1	46	5230	0.60	-6.01	8.50	1.50	10	Pass
VHT80	MCS0	1	42	5210	1.13	-8.93	8.50	1.50	10	Pass

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
11a	6Mbps	1	52	5260	18.05	22.95	23.56	29.56	23.98	
11a	6Mbps	1	60	5300	18.3	23.1	23.62	29.62	23.98	
11a	6Mbps	1	64	5320	18.3	23.1	23.62	29.62	23.98	
HT20	MCS0	1	52	5260	18.85	23.2	23.75	29.75	23.98	
HT20	MCS0	1	60	5300	18.9	23.25	23.76	29.76	23.98	
HT20	MCS0	1	64	5320	19	23.45	23.79	29.79	23.98	
HT40	MCS0	1	54	5270	36.6	41.4	23.98	30.00	23.98	
HT40	MCS0	1	62	5310	36.7	41.4	23.98	30.00	23.98	
VHT20	MCS0	1	52	5260	18.85	23.2	23.75	29.75	23.98	
VHT20	MCS0	1	60	5300	18.85	23.25	23.75	29.75	23.98	
VHT20	MCS0	1	64	5320	18.95	23.3	23.78	29.78	23.98	
VHT40	MCS0	1	54	5270	36.8	41.31	23.98	30.00	23.98	
VHT40	MCS0	1	62	5310	36.6	41.4	23.98	30.00	23.98	
VHT80	MCS0	1	58	5290	75.84	81.92	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
11a	6Mbps	1	52	5260	0.29	9.80	23.98	1.50		Pass
11a	6Mbps	1	60	5300	0.29	9.65	23.98	1.50		Pass
11a	6Mbps	1	64	5320	0.29	9.83	23.98	1.50		Pass
HT20	MCS0	1	52	5260	0.34	9.50	23.98	1.50		Pass
HT20	MCS0	1	60	5300	0.34	9.72	23.98	1.50		Pass
HT20	MCS0	1	64	5320	0.34	9.76	23.98	1.50		Pass
HT40	MCS0	1	54	5270	0.62	9.63	23.98	1.50		Pass
HT40	MCS0	1	62	5310	0.62	9.90	23.98	1.50		Pass
VHT20	MCS0	1	52	5260	0.34	9.50	23.98	1.50		Pass
VHT20	MCS0	1	60	5300	0.34	9.72	23.98	1.50		Pass
VHT20	MCS0	1	64	5320	0.34	9.81	23.98	1.50		Pass
VHT40	MCS0	1	54	5270	0.60	9.86	23.98	1.50		Pass
VHT40	MCS0	1	62	5310	0.60	9.89	23.98	1.50		Pass
VHT80	MCS0	1	58	5290	1.13	9.93	23.98	1.50		Pass

IC Band II										
Mod.	Data Rate	NTX	Channe	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	52	5260	0.29	9.80	23.56	1.50	29.56	Pass
11a	6Mbps	1	60	5300	0.29	9.65	23.62	1.50	29.62	Pass
11a	6Mbps	1	64	5320	0.29	9.83	23.62	1.50	29.62	Pass
HT20	MCS0	1	52	5260	0.34	9.50	23.75	1.50	29.75	Pass
HT20	MCS0	1	60	5300	0.34	9.72	23.76	1.50	29.76	Pass
HT20	MCS0	1	64	5320	0.34	9.76	23.79	1.50	29.79	Pass
HT40	MCS0	1	54	5270	0.62	9.63	23.98	1.50	30.00	Pass
HT40	MCS0	1	62	5310	0.62	9.90	23.98	1.50	30.00	Pass
VHT20	MCS0	1	52	5260	0.34	9.50	23.75	1.50	29.75	Pass
VHT20	MCS0	1	60	5300	0.34	9.72	23.75	1.50	29.75	Pass
VHT20	MCS0	1	64	5320	0.34	9.81	23.78	1.50	29.78	Pass
VHT40	MCS0	1	54	5270	0.60	9.86	23.98	1.50	30.00	Pass
VHT40	MCS0	1	62	5310	0.60	9.89	23.98	1.50	30.00	Pass
VHT80	MCS0	1	58	5290	1.13	9.93	23.98	1.50	30.00	Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	NTX	Channel	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6Mbps	1	52	5260	0.29	-1.95	11.00	1.50		Pass
11a	6Mbps	1	60	5300	0.29	-1.91	11.00	1.50		Pass
11a	6Mbps	1	64	5320	0.29	-1.63	11.00	1.50		Pass
HT20	MCS0	1	52	5260	0.34	-2.05	11.00	1.50		Pass
HT20	MCS0	1	60	5300	0.34	-2.21	11.00	1.50		Pass
HT20	MCS0	1	64	5320	0.34	-1.92	11.00	1.50		Pass
HT40	MCS0	1	54	5270	0.62	-4.88	11.00	1.50		Pass
HT40	MCS0	1	62	5310	0.62	-4.95	11.00	1.50		Pass
VHT20	MCS0	1	52	5260	0.34	-2.40	11.00	1.50		Pass
VHT20	MCS0	1	60	5300	0.34	-2.11	11.00	1.50		Pass
VHT20	MCS0	1	64	5320	0.34	-2.10	11.00	1.50		Pass
VHT40	MCS0	1	54	5270	0.60	-5.01	11.00	1.50		Pass
VHT40	MCS0	1	62	5310	0.60	-4.96	11.00	1.50		Pass
VHT80	MCS0	1	58	5290	1.13	-7.66	11.00	1.50		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
11a	6Mbps	1	100	5500	17.85	23	23.52	29.52	23.98	
11a	6Mbps	1	116	5580	17.95	23.05	23.54	29.54	23.98	
11a	6Mbps	1	140	5700	17.9	22.95	23.53	29.53	23.98	
HT20	MCS0	1	100	5500	18.65	22.8	23.71	29.71	23.98	
HT20	MCS0	1	116	5580	18.7	22.85	23.72	29.72	23.98	
HT20	MCS0	1	140	5700	18.6	22.45	23.70	29.70	23.98	
HT40	MCS0	1	102	5510	36.6	41.76	23.98	30.00	23.98	
HT40	MCS0	1	110	5550	36.6	41.67	23.98	30.00	23.98	
HT40	MCS0	1	134	5670	36.6	41.4	23.98	30.00	23.98	
VHT20	MCS0	1	100	5500	18.8	23.2	23.74	29.74	23.98	
VHT20	MCS0	1	116	5580	18.8	23.1	23.74	29.74	23.98	
VHT20	MCS0	1	140	5700	18.8	23.3	23.74	29.74	23.98	
VHT40	MCS0	1	102	5510	36.6	41.4	23.98	30.00	23.98	
VHT40	MCS0	1	110	5550	36.7	41.49	23.98	30.00	23.98	
VHT40	MCS0	1	134	5670	36.8	41.31	23.98	30.00	23.98	
VHT80	MCS0	1	106	5530	75.72	82.24	23.98	30.00	23.98	
VHT80	MCS0	1	122	5610	75.84	82.24	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
11a	6Mbps	1	100	5500	0.29	8.78	23.98	1.50		Pass
11a	6Mbps	1	116	5580	0.29	8.70	23.98	1.50		Pass
11a	6Mbps	1	140	5700	0.29	8.60	23.98	1.50		Pass
HT20	MCS0	1	100	5500	0.34	8.79	23.98	1.50		Pass
HT20	MCS0	1	116	5580	0.34	8.89	23.98	1.50		Pass
HT20	MCS0	1	140	5700	0.34	8.81	23.98	1.50		Pass
HT40	MCS0	1	102	5510	0.62	8.77	23.98	1.50		Pass
HT40	MCS0	1	110	5550	0.62	8.71	23.98	1.50		Pass
HT40	MCS0	1	134	5670	0.62	8.89	23.98	1.50		Pass
VHT20	MCS0	1	100	5500	0.34	8.66	23.98	1.50		Pass
VHT20	MCS0	1	116	5580	0.34	8.85	23.98	1.50		Pass
VHT20	MCS0	1	140	5700	0.34	8.74	23.98	1.50		Pass
VHT40	MCS0	1	102	5510	0.60	8.88	23.98	1.50		Pass
VHT40	MCS0	1	110	5550	0.60	8.70	23.98	1.50		Pass
VHT40	MCS0	1	134	5670	0.60	8.87	23.98	1.50		Pass
VHT80	MCS0	1	106	5530	1.13	8.88	23.98	1.50		Pass
VHT80	MCS0	1	122	5610	1.13	8.99	23.98	1.50		Pass

IC Band III										
Mod.	Data Rate	NTX	Channe	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	0.29	8.78	23.52	1.50	29.52	Pass
11a	6Mbps	1	116	5580	0.29	8.70	23.54	1.50	29.54	Pass
11a	6Mbps	1	140	5700	0.29	8.60	23.53	1.50	29.53	Pass
HT20	MCS0	1	100	5500	0.34	8.79	23.71	1.50	29.71	Pass
HT20	MCS0	1	116	5580	0.34	8.89	23.72	1.50	29.72	Pass
HT20	MCS0	1	140	5700	0.34	8.81	23.70	1.50	29.70	Pass
HT40	MCS0	1	102	5510	0.62	8.77	23.98	1.50	30.00	Pass
HT40	MCS0	1	110	5550	0.62	8.71	23.98	1.50	30.00	Pass
HT40	MCS0	1	134	5670	0.62	8.89	23.98	1.50	30.00	Pass
VHT20	MCS0	1	100	5500	0.34	8.66	23.74	1.50	29.74	Pass
VHT20	MCS0	1	116	5580	0.34	8.85	23.74	1.50	29.74	Pass
VHT20	MCS0	1	140	5700	0.34	8.74	23.74	1.50	29.74	Pass
VHT40	MCS0	1	102	5510	0.60	8.88	23.98	1.50	30.00	Pass
VHT40	MCS0	1	110	5550	0.60	8.70	23.98	1.50	30.00	Pass
VHT40	MCS0	1	134	5670	0.60	8.87	23.98	1.50	30.00	Pass
VHT80	MCS0	1	106	5530	1.13	8.99	23.98	1.50	30.00	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
11a	6Mbps	1	100	5500	0.29	-2.88	11.00	1.50		Pass
11a	6Mbps	1	116	5580	0.29	-3.04	11.00	1.50		Pass
11a	6Mbps	1	140	5700	0.29	-2.48	11.00	1.50		Pass
HT20	MCS0	1	100	5500	0.34	-3.60	11.00	1.50		Pass
HT20	MCS0	1	116	5580	0.34	-3.45	11.00	1.50		Pass
HT20	MCS0	1	140	5700	0.34	-3.24	11.00	1.50		Pass
HT40	MCS0	1	102	5510	0.62	-5.99	11.00	1.50		Pass
HT40	MCS0	1	110	5550	0.62	-6.04	11.00	1.50		Pass
HT40	MCS0	1	134	5670	0.62	-5.67	11.00	1.50		Pass
VHT20	MCS0	1	100	5500	0.34	-3.26	11.00	1.50		Pass
VHT20	MCS0	1	116	5580	0.34	-3.17	11.00	1.50		Pass
VHT20	MCS0	1	140	5700	0.34	-2.56	11.00	1.50		Pass
VHT40	MCS0	1	102	5510	0.60	-6.20	11.00	1.50		Pass
VHT40	MCS0	1	110	5550	0.60	-6.10	11.00	1.50		Pass
VHT40	MCS0	1	134	5670	0.60	-5.69	11.00	1.50		Pass
VHT80	MCS0	1	106	5530	1.13	-8.97	11.00	1.50		Pass
VHT80	MCS0	1	122	5610	1.13	-8.86	11.00	1.50		Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	N	Tx Channels	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.075	0.075	14.48	20	3.5	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	20	4.35	
11a	6Mbps	1	36	5180	5180.100	0.100	19.31	20	3.8	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	-30	3.8	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	50	3.8	

Band II										
Mod.	Data Rate	N	Tx Channels	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	3.5	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	4.35	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	3.8	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	3.8	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	50	3.8	

Band III										
Mod.	Data Rate	N	Tx Channels	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.100	0.100	18.18	20	3.5	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	4.35	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	3.8	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-30	3.8	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	50	3.8	