

Test Engineer:	AC Chang and Derek Hsu	Temperature:	24~26	°C
Test Date:	2015/03/23 ~ 2015/04/01	Relative Humidity:	45~49	%

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)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180		17.30		21.45	-			22.38	
11a	6Mbps	1	44	5220		17.10		21.45	-			22.33	
11a	6Mbps	1	48	5240		17.10		21.60	-			22.33	
HT20	MCS0	1	36	5180		17.95		22.10	-			22.54	
HT20	MCS0	1	44	5220		18.00		22.05	-			22.55	
HT20	MCS0	1	48	5240		17.95		22.35	-			22.54	
HT40	MCS0	1	38	5190		36.80		42.75	-			23.01	
HT40	MCS0	1	46	5230		36.80		44.46	-			23.01	
HT20	MCS8	2	36	5180	18.00	17.90	22.15	21.95	-			22.53	
HT20	MCS8	2	44	5220	18.10	18.25	23.95	24.48	-			22.58	
HT20	MCS8	2	48	5240	18.10	18.20	24.30	26.70	-			22.58	
HT40	MCS8	2	38	5190	36.70	36.70	44.64	42.48	-			23.01	
HT40	MCS8	2	46	5230	36.80	36.80	48.24	47.43	-			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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.20	0.20	14.32	14.38		24.00	24.00	5.80	5.80	Pass
11a	6Mbps	1	44	5220	0.20	0.20	14.10	14.36		24.00	24.00	5.80	5.80	Pass
11a	6Mbps	1	48	5240	0.20	0.20	14.04	14.27		24.00	24.00	5.80	5.80	Pass
HT20	MCS0	1	36	5180	0.20	0.22	12.37	12.97		24.00	24.00	5.80	5.80	Pass
HT20	MCS0	1	44	5220	0.20	0.22	12.35	12.95		24.00	24.00	5.80	5.80	Pass
HT20	MCS0	1	48	5240	0.20	0.22	12.20	12.78		24.00	24.00	5.80	5.80	Pass
HT40	MCS0	1	38	5190	0.49	0.49	12.54	12.63		24.00	24.00	5.80	5.80	Pass
HT40	MCS0	1	46	5230	0.49	0.49	12.26	12.70		24.00	24.00	5.80	5.80	Pass
HT20	MCS8	2	36	5180	0.43	0.43	12.51	12.91	15.72	24.00		5.80		Pass
HT20	MCS8	2	44	5220	0.43	0.43	15.02	16.03	18.37	24.00		5.80		Pass
HT20	MCS8	2	48	5240	0.43	0.43	14.96	15.70	18.35	24.00		5.80		Pass
HT40	MCS8	2	38	5190	0.78	0.84	10.00	10.77	13.41	24.00		5.80		Pass
HT40	MCS8	2	46	5230	0.78	0.84	14.10	14.87	17.48	24.00		5.80		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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.20	0.20		3.68		11.00	11.00	5.80	5.80	Pass
11a	6Mbps	1	44	5220	0.20	0.20		3.76		11.00	11.00	5.80	5.80	Pass
11a	6Mbps	1	48	5240	0.20	0.20		3.79		11.00	11.00	5.80	5.80	Pass
HT20	MCS0	1	36	5180	0.20	0.22		1.34		11.00	11.00	5.80	5.80	Pass
HT20	MCS0	1	44	5220	0.20	0.22		1.52		11.00	11.00	5.80	5.80	Pass
HT20	MCS0	1	48	5240	0.20	0.22		1.71		11.00	11.00	5.80	5.80	Pass
HT40	MCS0	1	38	5190	0.49	0.49		-2.34		11.00	11.00	5.80	5.80	Pass
HT40	MCS0	1	46	5230	0.49	0.49		-1.94		11.00	11.00	5.80	5.80	Pass
HT20	MCS8	2	36	5180	0.43	0.43			4.53	8.19		8.81		Pass
HT20	MCS8	2	44	5220	0.43	0.43			6.68	8.19		8.81		Pass
HT20	MCS8	2	48	5240	0.43	0.43			6.70	8.19		8.81		Pass
HT40	MCS8	2	38	5190	0.78	0.84			-1.52	8.19		8.81		Pass
HT40	MCS8	2	46	5230	0.78	0.84			2.59	8.19		8.81		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
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260		16.95		21.45		23.29		29.29		23.98	
11a	6Mbps	1	60	5300		17.15		21.30		23.34		29.34		23.98	
11a	6Mbps	1	64	5320		17.25		21.35		23.37		29.37		23.98	
HT20	MCS0	1	52	5260		17.95		22.10		23.54		29.54		23.98	
HT20	MCS0	1	60	5300		17.90		22.15		23.53		29.53		23.98	
HT20	MCS0	1	64	5320		17.90		21.75		23.53		29.53		23.98	
HT40	MCS0	1	54	5270		36.70		44.82		23.98		30.00		23.98	
HT40	MCS0	1	62	5310		36.90		46.17		23.98		30.00		23.98	
HT20	MCS8	2	52	5260	18.00	18.10	23.00	23.95	23.55		29.55		23.98		
HT20	MCS8	2	60	5300	18.00	18.20	23.25	22.80	23.55		29.55		23.98		
HT20	MCS8	2	64	5320	18.00	18.05	22.20	22.00	23.55		29.55		23.98		
HT40	MCS8	2	54	5270	36.90	36.70	46.53	47.43	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.70	36.70	46.35	46.26	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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.20	0.20	14.01	14.18			23.98	5.30	5.60	Pass
11a	6Mbps	1	60	5300	0.20	0.20	14.07	14.32			23.98	5.30	5.60	Pass
11a	6Mbps	1	64	5320	0.20	0.20	14.00	13.91			23.98	5.30	5.60	Pass
HT20	MCS0	1	52	5260	0.20	0.22	12.15	12.87			23.98	5.30	5.60	Pass
HT20	MCS0	1	60	5300	0.20	0.22	12.14	12.78			23.98	5.30	5.60	Pass
HT20	MCS0	1	64	5320	0.20	0.22	11.96	12.72			23.98	5.30	5.60	Pass
HT40	MCS0	1	54	5270	0.49	0.49	12.18	12.65			23.98	5.30	5.60	Pass
HT40	MCS0	1	62	5310	0.49	0.49	12.06	11.61			23.98	5.30	5.60	Pass
HT20	MCS8	2	52	5260	0.43	0.43	14.93	15.94	18.32	21.52		8.46		Pass
HT20	MCS8	2	60	5300	0.43	0.43	14.83	15.76	18.33	21.52		8.46		Pass
HT20	MCS8	2	64	5320	0.43	0.43	12.05	12.98	15.55	21.52		8.46		Pass
HT40	MCS8	2	54	5270	0.78	0.84	14.19	14.94	17.53	21.52		8.46		Pass
HT40	MCS8	2	62	5310	0.78	0.84	9.46	10.88	13.24	21.52		8.46		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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.20	0.20	14.01	14.18	-		23.69	5.30	5.60		29.29	Pass
11a	6Mbps	1	60	5300	0.20	0.20	14.07	14.32			23.74	5.30	5.60		29.34	Pass
11a	6Mbps	1	64	5320	0.20	0.20	14.00	13.91			23.77	5.30	5.60		29.37	Pass
HT20	MCS0	1	52	5260	0.20	0.22	12.15	12.87			23.94	5.30	5.60		29.54	Pass
HT20	MCS0	1	60	5300	0.20	0.22	12.14	12.78			23.93	5.30	5.60		29.53	Pass
HT20	MCS0	1	64	5320	0.20	0.22	11.96	12.72			23.93	5.30	5.60		29.53	Pass
HT40	MCS0	1	54	5270	0.49	0.49	12.18	12.65			24.40	5.30	5.60		30.00	Pass
HT40	MCS0	1	62	5310	0.49	0.49	12.06	11.61			24.40	5.30	5.60		30.00	Pass
HT20	MCS8	2	52	5260	0.43	0.43	14.93	15.94	18.32	21.09		8.46		29.55		Pass
HT20	MCS8	2	60	5300	0.43	0.43	14.83	15.76	18.33	21.09		8.46		29.55		Pass
HT20	MCS8	2	64	5320	0.43	0.43	12.05	12.98	15.55	21.09		8.46		29.55		Pass
HT40	MCS8	2	54	5270	0.78	0.84	14.19	14.94	17.53	21.54		8.46		30.00		Pass
HT40	MCS8	2	62	5310	0.78	0.84	9.46	10.88	13.24	21.54		8.46		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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.20	0.20		3.97		11.00	11.00	5.30	5.60	Pass
11a	6Mbps	1	60	5300	0.20	0.20		3.72		11.00	11.00	5.30	5.60	Pass
11a	6Mbps	1	64	5320	0.20	0.20		3.35		11.00	11.00	5.30	5.60	Pass
HT20	MCS0	1	52	5260	0.20	0.22		1.82		11.00	11.00	5.30	5.60	Pass
HT20	MCS0	1	60	5300	0.20	0.22		1.68		11.00	11.00	5.30	5.60	Pass
HT20	MCS0	1	64	5320	0.20	0.22		1.58		11.00	11.00	5.30	5.60	Pass
HT40	MCS0	1	54	5270	0.49	0.49		-1.64		11.00	11.00	5.30	5.60	Pass
HT40	MCS0	1	62	5310	0.49	0.49		-3.28		11.00	11.00	5.30	5.60	Pass
HT20	MCS8	2	52	5260	0.43	0.43			6.82	8.54		8.46		Pass
HT20	MCS8	2	60	5300	0.43	0.43			6.78	8.54		8.46		Pass
HT20	MCS8	2	64	5320	0.43	0.43			4.49	8.54		8.46		Pass
HT40	MCS8	2	54	5270	0.78	0.84			2.65	8.54		8.46		Pass
HT40	MCS8	2	62	5310	0.78	0.84			-1.55	8.54		8.46		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
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500		17.25		22.75		23.37		29.37		23.98	
11a	6Mbps	1	116	5580		17.30		23.90		23.38		29.38		23.98	
11a	6Mbps	1	140	5700		17.10		21.15		23.33		29.33		23.98	
HT20	MCS0	1	100	5500		17.95		22.05		23.54		29.54		23.98	
HT20	MCS0	1	116	5580		18.00		22.30		23.55		29.55		23.98	
HT20	MCS0	1	140	5700		17.85		22.10		23.52		29.52		23.98	
HT40	MCS0	1	102	5510		36.80		42.48		23.98		30.00		23.98	
HT40	MCS0	1	110	5550		36.70		45.99		23.98		30.00		23.98	
HT40	MCS0	1	134	5670		36.70		44.91		23.98		30.00		23.98	
HT20	MCS8	2	100	5500	18.00	18.05	22.20	22.05	23.55		29.55		23.98		
HT20	MCS8	2	116	5580	18.15	18.35	23.50	28.75	23.59		29.59		23.98		
HT20	MCS8	2	140	5700	17.95	17.90	22.30	22.00	23.53		29.53		23.98		
HT40	MCS8	2	102	5510	36.70	36.70	44.46	42.48	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	37.00	37.30	50.67	60.93	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.80	36.80	46.53	44.55	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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.20	0.20	14.75	15.88			23.98	3.40	5.70	Pass
11a	6Mbps	1	116	5580	0.20	0.20	13.74	15.18			23.98	3.40	5.70	Pass
11a	6Mbps	1	140	5700	0.20	0.20	13.53	12.84			23.98	3.40	5.70	Pass
HT20	MCS0	1	100	5500	0.20	0.22	12.55	13.85			23.98	3.40	5.70	Pass
HT20	MCS0	1	116	5580	0.20	0.22	11.59	13.41			23.98	3.40	5.70	Pass
HT20	MCS0	1	140	5700	0.20	0.22	11.34	11.60			23.98	3.40	5.70	Pass
HT40	MCS0	1	102	5510	0.49	0.49	12.63	12.61			23.98	3.40	5.70	Pass
HT40	MCS0	1	110	5550	0.49	0.49	12.31	13.55			23.98	3.40	5.70	Pass
HT40	MCS0	1	134	5670	0.49	0.49	11.12	12.55			23.98	3.40	5.70	Pass
HT20	MCS8	2	100	5500	0.43	0.43	12.68	13.63	16.19	22.34		7.64		Pass
HT20	MCS8	2	116	5580	0.43	0.43	14.65	16.08	18.39	22.34		7.64		Pass
HT20	MCS8	2	140	5700	0.43	0.43	9.07	10.30	12.74	22.34		7.64		Pass
HT40	MCS8	2	102	5510	0.78	0.84	10.14	11.62	13.95	22.34		7.64		Pass
HT40	MCS8	2	110	5550	0.78	0.84	15.25	16.36	18.85	22.34		7.64		Pass
HT40	MCS8	2	134	5670	0.78	0.84	10.59	11.78	14.24	22.34		7.64		Pass

IC Band III																
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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.20	0.20	14.75	15.88			23.67	3.40	5.70		29.37	Pass
11a	6Mbps	1	116	5580	0.20	0.20	13.74	15.18			23.68	3.40	5.70		29.38	Pass
11a	6Mbps	1	140	5700	0.20	0.20	13.53	12.84			23.63	3.40	5.70		29.33	Pass
HT20	MCS0	1	100	5500	0.20	0.22	12.55	13.85			23.84	3.40	5.70		29.54	Pass
HT20	MCS0	1	116	5580	0.20	0.22	11.59	13.41			23.85	3.40	5.70		29.55	Pass
HT20	MCS0	1	140	5700	0.20	0.22	11.34	11.60			23.82	3.40	5.70		29.52	Pass
HT40	MCS0	1	102	5510	0.49	0.49	12.63	12.61			24.30	3.40	5.70		30.00	Pass
HT40	MCS0	1	110	5550	0.49	0.49	12.31	13.55			24.30	3.40	5.70		30.00	Pass
HT40	MCS0	1	134	5670	0.49	0.49	11.12	12.55			24.30	3.40	5.70		30.00	Pass
HT20	MCS8	2	100	5500	0.43	0.43	12.68	13.63	16.19	21.92		7.64		29.55		Pass
HT20	MCS8	2	116	5580	0.43	0.43	14.65	16.08	18.39	21.95		7.64		29.59		Pass
HT20	MCS8	2	140	5700	0.43	0.43	9.07	10.30	12.74	21.89		7.64		29.53		Pass
HT40	MCS8	2	102	5510	0.78	0.84	10.14	11.62	13.95	22.36		7.64		30.00		Pass
HT40	MCS8	2	110	5550	0.78	0.84	15.25	16.36	18.85	22.36		7.64		30.00		Pass
HT40	MCS8	2	134	5670	0.78	0.84	10.59	11.78	14.24	22.36		7.64		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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.20	0.20		4.37		11.00	11.00	3.40	5.70	Pass
11a	6Mbps	1	116	5580	0.20	0.20		3.76		11.00	11.00	3.40	5.70	Pass
11a	6Mbps	1	140	5700	0.20	0.20		1.14		11.00	11.00	3.40	5.70	Pass
HT20	MCS0	1	100	5500	0.20	0.22		2.38		11.00	11.00	3.40	5.70	Pass
HT20	MCS0	1	116	5580	0.20	0.22		1.92		11.00	11.00	3.40	5.70	Pass
HT20	MCS0	1	140	5700	0.20	0.22		0.75		11.00	11.00	3.40	5.70	Pass
HT40	MCS0	1	102	5510	0.49	0.49		-1.30		11.00	11.00	3.40	5.70	Pass
HT40	MCS0	1	110	5550	0.49	0.49		-1.16		11.00	11.00	3.40	5.70	Pass
HT40	MCS0	1	134	5670	0.49	0.49		-2.43		11.00	11.00	3.40	5.70	Pass
HT20	MCS8	2	100	5500	0.43	0.43			5.55	9.36		7.64		Pass
HT20	MCS8	2	116	5580	0.43	0.43			6.82	9.36		7.64		Pass
HT20	MCS8	2	140	5700	0.43	0.43			1.92	9.36		7.64		Pass
HT40	MCS8	2	102	5510	0.78	0.84			-0.65	9.36		7.64		Pass
HT40	MCS8	2	110	5550	0.78	0.84			3.17	9.36		7.64		Pass
HT40	MCS8	2	134	5670	0.78	0.84			-0.48	9.36		7.64		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	11.4	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	12.6	
11a	6Mbps	1	36	5180	5179.975	-0.025	-4.83	20	12	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	12	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	12	

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	11.4	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	12.6	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	12	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	12	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	12	

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	11.4	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	12.6	
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	20	12	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-30	12	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	50	12	