

TEST RESULTS DATA
26dB and 99% OBW
(Reporting only)

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2014/11/13~2015/01/03	Relative Humidity:	51~54	%

Band I													
Mod.	Data Rate	N	TX Channel	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		17.15		21.35		-		22.34	
11a	6Mbps	1	44	5220		17.20		21.40		-		22.36	
11a	6Mbps	1	48	5240		17.10		21.35		-		22.33	
HT20	MCS8	2	36	5180	17.95	17.90	22.00	21.85		-		22.53	
HT20	MCS8	2	44	5220	18.00	17.90	22.20	22.05		-		22.53	
HT20	MCS8	2	48	5240	18.00	17.95	22.15	21.85		-		22.54	
HT40	MCS8	2	38	5190	36.70	36.70	44.73	42.39		-		23.01	
HT40	MCS8	2	46	5230	36.70	36.80	44.19	44.28		-		23.01	

Band II															
Mod.	Data Rate	N	TX Channel	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		17.15		21.50		23.34		29.34		23.98	
11a	6Mbps	1	60	5300		17.15		21.40		23.34		29.34		23.98	
11a	6Mbps	1	64	5320		17.15		21.55		23.34		29.34		23.98	
HT20	MCS8	2	52	5260	17.95	18.00	22.15	21.80		23.54		29.54		23.98	
HT20	MCS8	2	60	5300	17.95	18.05	22.05	22.10		23.54		29.54		23.98	
HT20	MCS8	2	64	5320	17.95	18.10	22.00	21.95		23.54		29.54		23.98	
HT40	MCS8	2	54	5270	36.80	36.60	46.08	42.57		23.98		30.00		23.98	
HT40	MCS8	2	62	5310	36.70	36.70	42.84	44.46		23.98		30.00		23.98	

Band III															
Mod.	Data Rate	N	TX Channel	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		17.10		21.65		23.33		29.33		23.98	
11a	6Mbps	1	116	5580		17.35		21.45		23.39		29.39		23.98	
11a	6Mbps	1	140	5700		17.10		21.70		23.33		29.33		23.98	
HT20	MCS8	2	100	5500	17.95	18.10	22.00	21.75		23.54		29.54		23.98	
HT20	MCS8	2	116	5580	17.90	17.90	22.05	22.05		23.53		29.53		23.98	
HT20	MCS8	2	140	5700	17.95	17.90	22.25	22.05		23.53		29.53		23.98	
HT40	MCS8	2	102	5510	36.60	36.70	46.17	44.37		23.98		30.00		23.98	
HT40	MCS8	2	110	5550	36.90	36.70	42.93	42.75		23.98		30.00		23.98	
HT40	MCS8	2	134	5670	36.80	36.60	42.75	42.21		23.98		30.00		23.98	

TEST RESULTS DATA
Average Power Table

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2014/11/13~2015/01/03	Relative Humidity:	51~54	%

FCC Band I														
Mod.	Data Rate	N	TxChannel	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	0.59	0.59	14.69	14.59		24.00	24.00	-3.32	-3.65	Pass
11a	6Mbps	1	44	5220	0.59	0.59	14.50	15.50		24.00	24.00	-3.32	-3.65	Pass
11a	6Mbps	1	48	5240	0.59	0.59	14.44	14.54		24.00	24.00	-3.32	-3.65	Pass
HT20	MCS0	1	36	5180	0.63	0.63	12.78	12.29		24.00	24.00	-3.32	-3.65	Pass
HT20	MCS0	1	44	5220	0.63	0.63	12.93	12.68		24.00	24.00	-3.32	-3.65	Pass
HT20	MCS0	1	48	5240	0.63	0.63	12.68	12.65		24.00	24.00	-3.32	-3.65	Pass
HT40	MCS0	1	38	5190	1.20	1.19	13.25	12.68		24.00	24.00	-3.32	-3.65	Pass
HT40	MCS0	1	46	5230	1.20	1.19	13.04	12.65		24.00	24.00	-3.32	-3.65	Pass
HT20	MCS8	2	36	5180	1.15	1.16	12.85	12.34	15.61	24.00			-0.47	Pass
HT20	MCS8	2	44	5220	1.15	1.16	12.63	13.03	15.84	24.00			-0.47	Pass
HT20	MCS8	2	48	5240	1.15	1.16	12.50	12.53	15.53	24.00			-0.47	Pass
HT40	MCS8	2	38	5190	2.04	2.07	12.97	12.31	15.67	24.00			-0.47	Pass
HT40	MCS8	2	46	5230	2.04	2.07	12.70	12.41	15.57	24.00			-0.47	Pass

FCC Band II														
Mod.	Data Rate	N	TxChannel	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	0.59	0.59	14.38	14.64			23.98	-3.32	-3.65	Pass
11a	6Mbps	1	60	5300	0.59	0.59	14.45	14.98			23.98	-3.32	-3.65	Pass
11a	6Mbps	1	64	5320	0.59	0.59	14.44	14.95			23.98	-3.32	-3.65	Pass
HT20	MCS0	1	52	5260	0.63	0.63	12.80	12.77			23.98	-3.32	-3.65	Pass
HT20	MCS0	1	60	5300	0.63	0.63	12.75	12.67			23.98	-3.32	-3.65	Pass
HT20	MCS0	1	64	5320	0.63	0.63	12.65	12.63			23.98	-3.32	-3.65	Pass
HT40	MCS0	1	54	5270	1.20	1.19	12.99	12.70			23.98	-3.32	-3.65	Pass
HT40	MCS0	1	62	5310	1.20	1.19	12.64	12.61			23.98	-3.32	-3.65	Pass
HT20	MCS8	2	52	5260	1.15	1.16	12.79	12.97	15.89	23.98			-0.47	Pass
HT20	MCS8	2	60	5300	1.15	1.16	12.65	12.62	15.65	23.98			-0.47	Pass
HT20	MCS8	2	64	5320	1.15	1.16	12.44	12.75	15.61	23.98			-0.47	Pass
HT40	MCS8	2	54	5270	2.04	2.07	12.70	12.55	15.64	23.98			-0.47	Pass
HT40	MCS8	2	62	5310	2.04	2.07	12.55	12.89	15.74	23.98			-0.47	Pass

FCC Band III														
Mod.	Data Rate	NTX	Channel	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	0.59	0.59	14.00	14.38	-		23.98	-3.19	-3.93	Pass
11a	6Mbps	1	116	5580	0.59	0.59	13.73	14.89			23.98	-3.19	-3.93	Pass
11a	6Mbps	1	140	5700	0.59	0.59	12.96	13.71			23.98	-3.19	-3.93	Pass
HT20	MCS0	1	100	5500	0.63	0.63	12.94	13.34			23.98	-3.19	-3.93	Pass
HT20	MCS0	1	116	5580	0.63	0.63	12.18	13.11			23.98	-3.19	-3.93	Pass
HT20	MCS0	1	140	5700	0.63	0.63	11.39	12.86			23.98	-3.19	-3.93	Pass
HT40	MCS0	1	102	5510	1.20	1.19	11.81	11.26			23.98	-3.19	-3.93	Pass
HT40	MCS0	1	110	5550	1.20	1.19	11.41	11.98			23.98	-3.19	-3.93	Pass
HT40	MCS0	1	134	5670	1.20	1.19	10.31	10.98		23.98	-3.19	-3.93	Pass	
HT20	MCS8	2	100	5500	1.15	1.16	12.82	13.81	16.35	23.98	-0.54		Pass	
HT20	MCS8	2	116	5580	1.15	1.16	12.33	13.49	15.96	23.98	-0.54		Pass	
HT20	MCS8	2	140	5700	1.15	1.16	11.58	12.70	15.19	23.98	-0.54		Pass	
HT40	MCS8	2	102	5510	2.04	2.07	12.18	12.61	15.41	23.98	-0.54		Pass	
HT40	MCS8	2	110	5550	2.04	2.07	11.72	12.58	15.18	23.98	-0.54		Pass	
HT40	MCS8	2	134	5670	2.04	2.07	10.49	11.48	14.03	23.98	-0.54		Pass	

TEST RESULTS DATA
Power Spectral Density

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2014/11/13~2015/01/03	Relative Humidity:	51~54	%

FCC Band I														
Mod.	Data Rate	N	TX Channel	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	0.59	0.59		3.28		11.00	11.00	-3.32	-3.65	Pass
11a	6Mbps	1	44	5220	0.59	0.59		3.77	-	11.00	11.00	-3.32	-3.65	Pass
11a	6Mbps	1	48	5240	0.59	0.59		3.32		11.00	11.00	-3.32	-3.65	Pass
HT20	MCS8	2	36	5180	1.15	1.16			3.44	11.00		-0.47		Pass
HT20	MCS8	2	44	5220	1.15	1.16			3.28	11.00		-0.47		Pass
HT20	MCS8	2	48	5240	1.15	1.16	-		3.41	11.00		-0.47		Pass
HT40	MCS8	2	38	5190	2.04	2.07			-1.12	11.00		-0.47		Pass
HT40	MCS8	2	46	5230	2.04	2.07			-1.23	11.00		-0.47		Pass

Band II														
Mod.	Data Rate	N	TX Channel	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	0.59	0.59		3.61		11.00	11.00	-3.32	-3.65	Pass
11a	6Mbps	1	60	5300	0.59	0.59		3.79	-	11.00	11.00	-3.32	-3.65	Pass
11a	6Mbps	1	64	5320	0.59	0.59		3.49		11.00	11.00	-3.32	-3.65	Pass
HT20	MCS8	2	52	5260	1.15	1.16			3.47	11.00		-0.47		Pass
HT20	MCS8	2	60	5300	1.15	1.16			3.43	11.00		-0.47		Pass
HT20	MCS8	2	64	5320	1.15	1.16			3.26	11.00		-0.47		Pass
HT40	MCS8	2	54	5270	2.04	2.07			-0.82	11.00		-0.47		Pass
HT40	MCS8	2	62	5310	2.04	2.07			-1.13	11.00		-0.47		Pass

Band III														
Mod.	Data Rate	N	TX Channel	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	0.59	0.59		5.12		11.00	11.00	-3.19	-3.93	Pass
11a	6Mbps	1	116	5580	0.59	0.59		4.47	-	11.00	11.00	-3.19	-3.93	Pass
11a	6Mbps	1	140	5700	0.59	0.59		2.89		11.00	11.00	-3.19	-3.93	Pass
HT20	MCS8	2	100	5500	1.15	1.16			4.93	11.00		-0.54		Pass
HT20	MCS8	2	116	5580	1.15	1.16			4.12	11.00		-0.54		Pass
HT20	MCS8	2	140	5700	1.15	1.16			2.59	11.00		-0.54		Pass
HT40	MCS8	2	102	5510	2.04	2.07	-		0.19	11.00		-0.54		Pass
HT40	MCS8	2	110	5550	2.04	2.07			0.01	11.00		-0.54		Pass
HT40	MCS8	2	134	5670	2.04	2.07			-1.33	11.00		-0.54		Pass

TEST RESULTS DATA
Frequency Stability
(Reporting only)

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2014/11/13~2015/01/03	Relative Humidity:	51~54	%

Band I										
Mod.	Data Rate	N	TX Channe	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	3.2	
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	5180.050	0.050	9.65	-30	3.7	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	3.7	

Band II										
Mod.	Data Rate	N	TX Channe	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	5320.000	0.000	0.00	20	4.2	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.7	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	3.7	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	50	3.7	

Band III										
Mod.	Data Rate	N	TX Channe	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	3.2	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	20	4.2	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	3.7	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-30	3.7	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.7	