

Report Number : FR692114E

Test Engineer:	Aking Chang	Temperature:	21~25	°C
Test Date:	201610/03 ~2016/10/13	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	17.05	20.50	-	22.32		
11a	6Mbps	1	44	5220	17.15	20.60	-	22.34		
11a	6Mbps	1	48	5240	17.15	20.40	-	22.34		
HT20	MCS0	1	36	5180	17.95	21.00	-	22.54		
HT20	MCS0	1	44	5220	18.00	20.85	-	22.55		
HT20	MCS0	1	48	5240	17.95	20.90	-	22.54		
HT40	MCS0	1	38	5190	36.20	40.86	-	23.01		
HT40	MCS0	1	46	5230	36.30	41.04	-	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	0.29	11.19	24.00	3.76		Pass
11a	6Mbps	1	44	5220	0.29	11.15	24.00	3.76		Pass
11a	6Mbps	1	48	5240	0.29	11.09	24.00	3.76		Pass
HT20	MCS0	1	36	5180	0.34	11.09	24.00	3.76		Pass
HT20	MCS0	1	44	5220	0.34	11.07	24.00	3.76		Pass
HT20	MCS0	1	48	5240	0.34	11.02	24.00	3.76		Pass
HT40	MCS0	1	38	5190	0.42	11.34	24.00	3.76		Pass
HT40	MCS0	1	46	5230	0.42	11.28	24.00	3.76		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	0.29	1.66	11.00	3.76		Pass
11a	6Mbps	1	44	5220	0.29	1.06	11.00	3.76		Pass
11a	6Mbps	1	48	5240	0.29	0.57	11.00	3.76		Pass
HT20	MCS0	1	36	5180	0.34	1.28	11.00	3.76		Pass
HT20	MCS0	1	44	5220	0.34	0.66	11.00	3.76		Pass
HT20	MCS0	1	48	5240	0.34	0.55	11.00	3.76		Pass
HT40	MCS0	1	38	5190	0.42	-0.98	11.00	3.76		Pass
HT40	MCS0	1	46	5230	0.42	-1.57	11.00	3.76		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	17.00	20.30	23.30	29.30	23.98	
11a	6M bps	1	60	5300	17.05	20.60	23.32	29.32	23.98	
11a	6M bps	1	64	5320	17.15	20.40	23.34	29.34	23.98	
HT20	MCS 0	1	52	5260	18.00	20.70	23.55	29.55	23.98	
HT20	MCS 0	1	60	5300	17.95	21.10	23.54	29.54	23.98	
HT20	MCS 0	1	64	5320	18.00	20.90	23.55	29.55	23.98	
HT40	MCS 0	1	54	5270	36.20	40.68	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.10	40.86	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)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	52	5260	0.29	10.91	23.98	3.71	26.99	Pass
11a	6M bps	1	60	5300	0.29	10.80	23.98	3.71	26.99	Pass
11a	6M bps	1	64	5320	0.29	10.50	23.98	3.71	26.99	Pass
HT20	MCS 0	1	52	5260	0.34	10.87	23.98	3.71	26.99	Pass
HT20	MCS 0	1	60	5300	0.34	10.70	23.98	3.71	26.99	Pass
HT20	MCS 0	1	64	5320	0.34	10.46	23.98	3.71	26.99	Pass
HT40	MCS 0	1	54	5270	0.42	11.10	23.98	3.71	26.99	Pass
HT40	MCS 0	1	62	5310	0.42	10.81	23.98	3.71	26.99	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	0.29	0.47	11.00	3.71		Pass
11a	6M bps	1	60	5300	0.29	0.04	11.00	3.71		Pass
11a	6M bps	1	64	5320	0.29	-0.10	11.00	3.71		Pass
HT20	MCS 0	1	52	5260	0.34	0.19	11.00	3.71		Pass
HT20	MCS 0	1	60	5300	0.34	-0.06	11.00	3.71		Pass
HT20	MCS 0	1	64	5320	0.34	-0.31	11.00	3.71		Pass
HT40	MCS 0	1	54	5270	0.42	-2.01	11.00	3.71		Pass
HT40	MCS 0	1	62	5310	0.42	-2.46	11.00	3.71		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	17.05	20.30	23.32	29.32	23.98	
11a	6M bps	1	116	5580	17.10	20.60	23.33	29.33	23.98	
11a	6M bps	1	140	5700	17.00	20.80	23.30	29.30	23.98	
HT20	MCS 0	1	100	5500	18.00	21.10	23.55	29.55	23.98	
HT20	MCS 0	1	116	5580	18.00	21.00	23.55	29.55	23.98	
HT20	MCS 0	1	140	5700	18.00	21.00	23.55	29.55	23.98	
HT40	MCS 0	1	102	5510	36.30	40.86	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.10	40.68	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.20	40.50	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)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	100	5500	0.29	7.86	23.98	3.61	26.99	Pass
11a	6M bps	1	116	5580	0.29	7.60	23.98	3.61	26.99	Pass
11a	6M bps	1	140	5700	0.29	8.00	23.98	3.61	26.99	Pass
HT20	MCS 0	1	100	5500	0.34	7.80	23.98	3.61	26.99	Pass
HT20	MCS 0	1	116	5580	0.34	7.54	23.98	3.61	26.99	Pass
HT20	MCS 0	1	140	5700	0.34	7.95	23.98	3.61	26.99	Pass
HT40	MCS 0	1	102	5510	0.42	7.88	23.98	3.61	26.99	Pass
HT40	MCS 0	1	110	5550	0.42	7.65	23.98	3.61	26.99	Pass
HT40	MCS 0	1	134	5670	0.42	7.90	23.98	3.61	26.99	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	0.29	-2.21	11.00	3.61		Pass
11a	6M bps	1	116	5580	0.29	-2.26	11.00	3.61		Pass
11a	6M bps	1	140	5700	0.29	-2.43	11.00	3.61		Pass
HT20	MCS 0	1	100	5500	0.34	-2.55	11.00	3.61		Pass
HT20	MCS 0	1	116	5580	0.34	-2.65	11.00	3.61		Pass
HT20	MCS 0	1	140	5700	0.34	-2.74	11.00	3.61		Pass
HT40	MCS 0	1	102	5510	0.42	-4.54	11.00	3.61		Pass
HT40	MCS 0	1	110	5550	0.42	-4.63	11.00	3.61		Pass
HT40	MCS 0	1	134	5670	0.42	-5.07	11.00	3.61		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	50	3.7	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	-30	3.7	
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	3.3	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	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	5320.000	0.000	0.00	50	3.7	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	3.7	
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	3.3	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	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	5500.000	0.000	0.00	50	3.7	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	3.7	
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	3.3	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.7	