Report Number : FR5O1213E

Test Engineer:	Tommy Lee	Temperature:	21~25	°C
Test Date:	2015/11/25~2015/12/17	Relative Humidity:	51~55	%

Report Number : FR5O1213E

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	18.20		23.05		-		22.60			
11a	6Mbps	1	44	5220	19.00		23.40		-		22.79			
11a	6Mbps	1	48	5240	17.25		20.70		-		22.37			
HT20	MCS0	2	36	5180	19.25	18.95	23.40	23.20	-		22.78			
HT20	MCS0	2	44	5220	19.00	18.90	23.35	23.20	-		22.76			
HT20	MCS0	2	48	5240	18.00	18.05	20.85	20.85	-		22.55			
HT40	MCS0	2	38	5190	36.70	36.80	41.58	41.13	-		23.01			
HT40	MCS0	2	46	5230	36.70	36.70	41.49	41.40	-		23.01			
VHT20	MCS0	2	36	5180	19.35	18.95	23.40	23.15	-		22.78			
VHT20	MCS0	2	44	5220	19.10	18.90	23.40	23.20	-		22.76			
VHT20	MCS0	2	48	5240	18.00	18.00	20.95	20.80	-		22.55			
VHT40	MCS0	2	38	5190	36.70	36.60	41.40	41.22	-		23.01			
VHT40	MCS0	2	46	5230	36.80	36.70	41.76	41.31	-		23.01			
VHT80	MCS0	2	42	5210	76.08	76.08	82.40	82.72	-		23.01			

Report Number : FR5O1213E

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	0.29	0.29	9.54	9.54		24.00	24.00	1.21	-2.02		Pass
11a	6Mbps	1	44	5220	0.29	0.29	9.97	9.50		24.00	24.00	1.21	-2.02		Pass
11a	6Mbps	1	48	5240	0.29	0.29	9.50	9.59		24.00	24.00	1.21	-2.02		Pass
HT20	MCS0	1	36	5180	0.34	0.34	9.65	9.67		24.00	24.00	1.21	-2.02		Pass
HT20	MCS0	1	44	5220	0.34	0.34	9.95	9.84		24.00	24.00	1.21	-2.02		Pass
HT20	MCS0	1	48	5240	0.34	0.34	9.88	9.95		24.00	24.00	1.21	-2.02		Pass
HT40	MCS0	1	38	5190	0.62	0.64	9.53	9.59		24.00	24.00	1.21	-2.02		Pass
HT40	MCS0	1	46	5230	0.62	0.64	9.59	9.56		24.00	24.00	1.21	-2.02		Pass
VHT20	MCS0	1	36	5180	0.34	0.34	9.52	9.51		24.00	24.00	1.21	-2.02		Pass
VHT20	MCS0	1	44	5220	0.34	0.34	9.85	9.85		24.00	24.00	1.21	-2.02		Pass
VHT20	MCS0	1	48	5240	0.34	0.34	9.69	9.86		24.00	24.00	1.21	-2.02		Pass
VHT40	MCS0	1	38	5190	0.62	0.62	9.50	9.53		24.00	24.00	1.21	-2.02		Pass
VHT40	MCS0	1	46	5230	0.62	0.62	9.58	9.70		24.00	24.00	1.21	-2.02		Pass
VHT80	MCS0	1	42	5210	1.17	1.17	9.52	9.97		24.00	24.00	1.21	-2.02		Pass
11a	6Mbps	2	36	5180	0.32	0.32	9.01	10.01	12.55	24.00		2.75			Pass
11a	6Mbps	2	44	5220	0.32	0.32	8.83	10.01	12.97	24.00		2.75			Pass
11a	6Mbps	2	48	5240	0.32	0.32	8.23	10.01	12.61	24.00		2.75			Pass
HT20	MCS0	2	36	5180	0.31	0.31	9.40	10.48	12.99	24.00		2.75			Pass
HT20	MCS0	2	44	5220	0.31	0.31	8.95	10.48	12.96	24.00		2.75			Pass
HT20	MCS0	2	48	5240	0.31	0.31	8.62	10.48	12.95	24.00		2.75			Pass
HT40	MCS0	2	38	5190	0.62	1.81	9.23	10.28	12.80	24.00		2.75			Pass
HT40	MCS0	2	46	5230	0.62	1.81	9.23	10.28	12.77	24.00		2.75			Pass
VHT20	MCS0	2	36	5180	0.31	0.34	8.93	10.02	12.52	24.00		2.75			Pass
VHT20	MCS0	2	44	5220	0.31	0.34	8.73	10.79	12.89	24.00		2.75			Pass
VHT20	MCS0	2	48	5240	0.31	0.34	8.71	10.76	12.87	24.00		2.75			Pass
VHT40	MCS0	2	38	5190	0.67	0.67	9.03	10.35	12.75	24.00		2.75			Pass
VHT40	MCS0	2	46	5230	0.67	0.67	8.45	10.67	12.71	24.00		2.75			Pass
VHT80	MCS0	2	42	5210	1.17	1.17	9.02	10.77	12.99	24.00		2.75			Pass

Report Number : FR5O1213E

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	0.29	0.29	-1.25			11.00	11.00	1.21	-2.02		Pass
11a	6Mbps	1	44	5220	0.29	0.29	-2.24			11.00	11.00	1.21	-2.02		Pass
11a	6Mbps	1	48	5240	0.29	0.29	-3.13			11.00	11.00	1.21	-2.02		Pass
HT20	MCS0	2	36	5180	0.31	0.31			1.09	11.00		2.75			Pass
HT20	MCS0	2	44	5220	0.31	0.31			0.03	11.00		2.75			Pass
HT20	MCS0	2	48	5240	0.31	0.31			0.41	11.00		2.75			Pass
HT40	MCS0	2	38	5190	0.62	0.62			-3.13	11.00		2.75			Pass
HT40	MCS0	2	46	5230	0.62	0.62			-2.76	11.00		2.75			Pass
VHT20	MCS0	2	36	5180	0.31	0.34			-0.67	11.00		2.75			Pass
VHT20	MCS0	2	44	5220	0.31	0.34			0.47	11.00		2.75			Pass
VHT20	MCS0	2	48	5240	0.31	0.34			0.52	11.00		2.75			Pass
VHT40	MCS0	2	38	5190	0.67	0.67			-3.08	11.00		2.75			Pass
VHT40	MCS0	2	46	5230	0.67	0.67			-3.10	11.00		2.75			Pass
VHT80	MCS0	2	42	5210	1.17	1.17			-6.44	11.00		2.75			Pass

IC Band I																
Mod.	Data Rate	NTX	CH.	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
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.29	0.29	-1.25			8.79	12.02	1.21	-2.02	10	10	Pass
11a	6Mbps	1	44	5220	0.29	0.29	-2.24			8.79	12.02	1.21	-2.02	10	10	Pass
11a	6Mbps	1	48	5240	0.29	0.29	-3.13			8.79	12.02	1.21	-2.02	10	10	Pass
HT20	MCS0	2	36	5180	0.31	0.31			1.09	7.25		2.75		10		Pass
HT20	MCS0	2	44	5220	0.31	0.31			0.03	7.25		2.75		10		Pass
HT20	MCS0	2	48	5240	0.31	0.31			0.41	7.25		2.75		10		Pass
HT40	MCS0	2	38	5190	0.62	0.62			-3.13	7.25		2.75		10		Pass
HT40	MCS0	2	46	5230	0.62	0.62			-2.76	7.25		2.75		10		Pass
VHT20	MCS0	2	36	5180	0.31	0.34			-0.67	7.25		2.75		10		Pass
VHT20	MCS0	2	44	5220	0.31	0.34			0.47	7.25		2.75		10		Pass
VHT20	MCS0	2	48	5240	0.31	0.34			0.52	7.25		2.75		10		Pass
VHT40	MCS0	2	38	5190	0.67	0.67			-3.08	7.25		2.75		10		Pass
VHT40	MCS0	2	46	5230	0.67	0.67			-3.10	7.25		2.75		10		Pass
VHT80	MCS0	2	42	5210	1.17	1.17			-6.44	7.25		2.75		10		Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	3.6	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	4.35	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	3.85	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	-30	3.85	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	50	3.85	