

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2015/11/01 ~ 2015/11/08	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)					Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	
11a	6Mbps	5	36	5180	17.20	17.25	17.15	17.15	19.15	21.40	21.05	20.85	21.10	31.75	
11a	6Mbps	5	44	5220	17.25	17.20	17.20	17.20	18.70	21.35	21.10	21.00	21.15	29.10	
11a	6Mbps	5	48	5240	17.20	17.20	17.15	17.25	18.60	21.40	21.00	20.85	21.10	28.85	
VHT20	MCS0	5	36	5180	18.20	17.20	17.10	18.20	19.25	22.20	21.15	20.80	21.85	27.50	
VHT20	MCS0	5	44	5220	17.25	17.20	17.15	18.25	19.15	21.25	21.20	20.95	21.95	27.25	
VHT20	MCS0	5	48	5240	17.20	17.25	17.15	18.20	19.20	21.05	21.15	20.90	21.95	26.40	
VHT40	MCS0	5	38	5190	36.20	36.30	36.30	36.10	37.40	40.86	40.77	40.59	40.32	50.40	
VHT40	MCS0	5	46	5230	36.20	36.40	36.30	36.30	37.10	40.86	41.04	40.77	40.68	50.94	
VHT80	MCS0	5	42	5210	75.84	75.84	76.08	75.84	76.56	84.64	85.12	85.12	84.48	97.28	

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power with Duty Factor (dBm)						DG (dBi)	Cond. Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	SUM			
11a	6Mbps	5	36	5180	0.16	14.88	15.17	15.30	15.23	14.78	22.07	5.00	30	Pass
11a	6Mbps	5	44	5220	0.16	14.47	15.38	15.09	15.03	14.17	21.84	5.00	30	Pass
11a	6Mbps	5	48	5240	0.16	14.62	15.19	15.00	14.95	14.51	21.85	5.00	30	Pass
HT20	MCS0	5	36	5180	0.08	14.39	14.59	15.02	14.91	13.59	21.52	5.00	30	Pass
HT20	MCS0	5	44	5220	0.08	14.35	14.81	14.72	14.76	12.88	21.35	5.00	30	Pass
HT20	MCS0	5	48	5240	0.08	14.48	14.62	14.78	14.62	13.20	21.37	5.00	30	Pass
HT40	MCS0	5	38	5190	0.15	13.20	13.28	13.82	13.66	12.44	20.30	5.00	30	Pass
HT40	MCS0	5	46	5230	0.15	13.17	13.47	13.61	13.36	12.29	20.19	5.00	30	Pass
VHT20	MCS0	5	36	5180	0.08	14.56	14.97	15.15	15.02	13.70	21.70	5.00	30	Pass
VHT20	MCS0	5	44	5220	0.08	14.49	15.15	14.92	14.81	12.92	21.52	5.00	30	Pass
VHT20	MCS0	5	48	5240	0.08	14.72	15.02	14.95	14.75	13.25	21.57	5.00	30	Pass
VHT40	MCS0	5	38	5190	0.15	13.26	13.36	13.87	13.70	12.47	20.35	5.00	30	Pass
VHT40	MCS0	5	46	5230	0.15	13.22	13.68	13.66	13.42	12.27	20.27	5.00	30	Pass
VHT80	MCS0	5	42	5210	0.29	9.40	9.83	10.30	9.98	8.64	16.66	5.00	30	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density with Duty Factor (dBm/MHz)						DG (dBi)	PSD Limit (dBm /MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	SUM			
11a	6Mbps	5	36	5180	0.16	3.81	4.20	4.68	4.49	5.11	11.47	8.99	14.01	Pass
11a	6Mbps	5	44	5220	0.16	3.11	3.94	3.84	3.53	3.83	10.65	8.99	14.01	Pass
11a	6Mbps	5	48	5240	0.16	3.29	3.71	3.90	3.45	3.93	10.65	8.99	14.01	Pass
VHT20	MCS0	5	36	5180	0.08	3.33	4.05	4.45	4.04	2.57	10.73	8.99	14.01	Pass
VHT20	MCS0	5	44	5220	0.08	3.03	3.77	3.79	3.07	1.27	10.07	8.99	14.01	Pass
VHT20	MCS0	5	48	5240	0.08	3.32	3.52	3.72	2.89	1.45	10.04	8.99	14.01	Pass
VHT40	MCS0	5	38	5190	0.15	-0.72	-0.67	0.11	-0.34	-1.67	6.37	8.99	14.01	Pass
VHT40	MCS0	5	46	5230	0.15	-1.33	-0.89	-0.61	-1.12	-2.64	5.73	8.99	14.01	Pass
VHT80	MCS0	5	42	5210	0.29	-8.17	-7.93	-6.97	-7.37	-8.39	-0.74	8.99	14.01	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	5180.050	0.050	9.65	20	93.5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	126.5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	110	
11a	6Mbps	1	36	5180	5180.100	0.100	19.31	-30	110	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	50	110	

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	5320.050	0.050	9.40	20	93.5	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	126.5	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	20	110	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	110	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	50	110	

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	93.5	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	126.5	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	110	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	110	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	110	