

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 II															
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	52	5260	17.20	17.15	17.15	17.15	17.90	21.25	21.05	20.85	20.75	25.00	
11a	6Mbps	5	60	5300	17.15	17.15	17.20	17.15	18.10	21.15	21.10	20.90	21.00	24.95	
11a	6Mbps	5	64	5320	17.10	17.20	17.15	17.20	17.70	21.10	21.00	20.90	20.85	24.90	
VHT20	MCS0	5	52	5260	18.25	18.20	18.15	18.20	18.85	22.00	22.10	21.70	21.85	25.70	
VHT20	MCS0	5	60	5300	18.20	18.20	18.15	18.10	18.95	22.10	21.80	21.80	21.75	25.90	
VHT20	MCS0	5	64	5320	18.20	18.20	18.25	18.25	18.85	21.90	22.00	21.85	21.85	25.60	
VHT40	MCS0	5	54	5270	36.30	36.30	36.30	36.00	37.00	40.59	40.59	40.59	40.32	50.13	
VHT40	MCS0	5	62	5310	36.30	36.20	36.20	36.20	37.50	40.50	40.50	40.32	40.59	48.78	
VHT80	MCS0	5	58	5290	75.96	76.08	75.96	75.96	76.44	84.16	84.16	84.48	84.00	96.48	

TEST RESULTS DATA
Average Power Table

FCC Band II														
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	52	5260	0.16	11.87	11.81	11.39	11.75	12.60	18.89	5.00	24	Pass
11a	6Mbps	5	60	5300	0.16	11.72	11.85	11.34	11.53	12.42	18.78	5.00	24	Pass
11a	6Mbps	5	64	5320	0.16	11.69	11.67	11.85	11.73	13.13	19.04	5.00	24	Pass
HT20	MCS0	5	52	5260	0.08	11.59	11.49	11.42	11.50	13.47	18.96	5.00	24	Pass
HT20	MCS0	5	60	5300	0.08	11.80	11.57	11.50	11.71	13.32	19.03	5.00	24	Pass
HT20	MCS0	5	64	5320	0.08	11.96	11.84	11.95	11.58	13.60	19.24	5.00	24	Pass
HT40	MCS0	5	54	5270	0.15	13.60	13.46	13.83	13.46	12.38	20.36	5.00	24	Pass
HT40	MCS0	5	62	5310	0.15	13.52	13.50	13.63	13.07	12.46	20.25	5.00	24	Pass
VHT20	MCS0	5	52	5260	0.08	11.70	11.66	11.64	11.65	13.50	19.09	5.00	24	Pass
VHT20	MCS0	5	60	5300	0.08	11.97	11.60	11.59	11.82	13.39	19.12	5.00	24	Pass
VHT20	MCS0	5	64	5320	0.08	12.00	11.92	12.09	11.65	13.66	19.32	5.00	24	Pass
VHT40	MCS0	5	54	5270	0.15	13.66	13.39	13.88	13.44	12.43	20.38	5.00	24	Pass
VHT40	MCS0	5	62	5310	0.15	11.87	11.69	11.99	11.54	12.58	18.94	5.00	24	Pass
VHT80	MCS0	5	58	5290	0.29	8.96	8.68	8.71	8.60	6.74	15.40	5.00	24	Pass

TEST RESULTS DATA
Power Spectral Density

Band II														
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	52	5260	0.16	0.79	0.81	0.61	0.82	1.23	7.85	8.99	8.01	Pass
11a	6Mbps	5	60	5300	0.16	0.78	0.87	0.49	0.46	0.91	7.70	8.99	8.01	Pass
11a	6Mbps	5	64	5320	0.16	0.79	0.66	0.93	0.78	1.64	7.96	8.99	8.01	Pass
VHT20	MCS0	5	52	5260	0.08	0.30	0.28	0.59	0.33	1.66	7.66	8.99	8.01	Pass
VHT20	MCS0	5	60	5300	0.08	0.66	0.35	0.41	0.48	1.41	7.67	8.99	8.01	Pass
VHT20	MCS0	5	64	5320	0.08	0.67	0.70	0.85	0.39	1.86	7.91	8.99	8.01	Pass
VHT40	MCS0	5	54	5270	0.15	-0.33	-0.38	0.15	-0.27	-3.90	6.26	8.99	8.01	Pass
VHT40	MCS0	5	62	5310	0.15	-2.06	-1.82	-1.61	-2.31	-3.08	4.84	8.99	8.01	Pass
VHT80	MCS0	5	58	5290	0.29	-8.46	-8.37	-8.17	-8.75	-11.79	-1.94	8.99	8.01	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)					Note
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	
11a	6Mbps	5	100	5500	17.15	17.25	17.10	17.20	17.80	21.20	20.80	20.90	20.80	24.65	
11a	6Mbps	5	116	5580	17.15	17.25	17.10	17.15	17.85	21.25	21.00	20.85	20.95	25.50	
11a	6Mbps	5	140	5700	17.20	17.15	17.20	17.10	18.00	21.05	21.15	20.90	21.00	25.50	
VHT20	MCS0	5	100	5500	18.25	18.20	18.20	18.20	19.05	22.05	21.85	21.85	21.75	25.10	
VHT20	MCS0	5	116	5580	18.15	18.30	18.10	18.20	18.80	22.05	21.95	22.00	21.90	26.25	
VHT20	MCS0	5	140	5700	18.25	18.25	18.20	18.10	19.00	22.10	21.90	22.00	21.65	26.45	
VHT40	MCS0	5	102	5510	36.10	36.20	36.20	36.30	37.10	40.59	40.59	40.50	40.50	48.42	
VHT40	MCS0	5	110	5550	36.20	36.30	36.20	36.20	37.20	40.77	40.50	40.50	40.59	49.77	
VHT40	MCS0	5	134	5670	36.30	36.30	36.30	36.10	37.10	40.68	40.77	40.41	40.50	49.77	
VHT80	MCS0	5	106	5530	76.08	75.96	76.08	76.08	76.32	84.96	84.80	84.96	85.28	94.88	
VHT80	MCS0	5	122	5610	76.20	76.08	76.08	76.08	76.44	83.52	84.48	84.16	84.64	100.00	

TEST RESULTS DATA
Average Power Table

FCC Band III														
Mod.	Data Rate	N _{TX}	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	100	5500	0.16	11.69	11.83	11.79	11.57	13.19	19.05	5.00	24	Pass
11a	6Mbps	5	116	5580	0.16	11.47	11.38	11.77	11.00	12.90	18.74	5.00	24	Pass
11a	6Mbps	5	124	5620	0.16	11.40	11.32	11.61	11.91	12.79	18.83	5.00	24	Pass
11a	6Mbps	5	140	5700	0.16	11.23	11.21	11.44	11.10	12.58	18.54	5.00	24	Pass
HT20	MCS0	5	100	5500	0.08	11.95	12.03	12.06	11.67	13.80	19.36	5.00	24	Pass
HT20	MCS0	5	116	5580	0.08	11.57	11.40	11.96	11.75	13.03	18.97	5.00	24	Pass
HT20	MCS0	5	124	5620	0.08	11.42	11.62	11.80	11.59	11.92	18.66	5.00	24	Pass
HT20	MCS0	5	140	5700	0.08	11.36	11.95	11.69	11.40	12.98	18.91	5.00	24	Pass
HT40	MCS0	5	102	5510	0.15	13.37	12.76	13.35	12.66	12.77	19.98	5.00	24	Pass
HT40	MCS0	5	110	5550	0.15	13.17	12.98	13.36	12.58	13.08	20.03	5.00	24	Pass
HT40	MCS0	5	126	5630	0.15	13.03	11.87	13.13	12.36	12.91	19.68	5.00	24	Pass
HT40	MCS0	5	134	5670	0.15	12.40	12.10	12.76	11.97	12.60	19.37	5.00	24	Pass
VHT20	MCS0	5	100	5500	0.08	11.99	12.10	12.13	11.80	13.90	19.45	5.00	24	Pass
VHT20	MCS0	5	116	5580	0.08	11.72	11.54	12.10	11.89	13.10	19.10	5.00	24	Pass
VHT20	MCS0	5	124	5620	0.08	11.54	11.42	11.91	11.75	13.07	18.97	5.00	24	Pass
VHT20	MCS0	5	140	5700	0.08	11.44	12.00	11.73	11.44	13.03	18.96	5.00	24	Pass
VHT40	MCS0	5	102	5510	0.15	13.40	12.78	13.42	12.72	12.80	20.03	5.00	24	Pass
VHT40	MCS0	5	110	5550	0.15	13.23	13.01	13.41	12.70	13.11	20.09	5.00	24	Pass
VHT40	MCS0	5	126	5630	0.15	12.87	12.59	13.09	12.41	12.89	19.77	5.00	24	Pass
VHT40	MCS0	5	134	5670	0.15	12.47	12.16	12.82	12.06	12.73	19.45	5.00	24	Pass
VHT80	MCS0	5	106	5530	0.29	9.46	9.21	9.83	9.14	9.21	16.37	5.00	24	Pass
VHT80	MCS0	5	122	5610	0.29	12.40	12.01	12.61	11.80	13.38	19.47	5.00	24	Pass

TEST RESULTS DATA
Power Spectral Density

Band III														
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	100	5500	0.16	0.56	0.52	0.49	0.41	1.62	7.73	8.99	8.01	Pass
11a	6Mbps	5	116	5580	0.16	0.73	0.56	1.10	0.38	1.87	7.95	8.99	8.01	Pass
11a	6Mbps	5	140	5700	0.16	0.64	0.55	0.73	0.50	1.62	7.82	8.99	8.01	Pass
VHT20	MCS0	5	100	5500	0.08	0.59	0.63	0.72	0.36	1.56	7.78	8.99	8.01	Pass
VHT20	MCS0	5	116	5580	0.08	0.74	0.49	1.09	0.76	1.77	7.98	8.99	8.01	Pass
VHT20	MCS0	5	140	5700	0.09	0.47	0.95	0.69	0.48	1.65	7.86	8.99	8.01	Pass
VHT40	MCS0	5	102	5510	0.15	-0.72	-1.35	-0.56	-1.58	-3.89	5.52	8.99	8.01	Pass
VHT40	MCS0	5	110	5550	0.15	-0.81	-0.92	-0.46	-1.35	-3.27	5.73	8.99	8.01	Pass
VHT40	MCS0	5	134	5670	0.15	-1.14	-1.38	-0.52	-1.19	-2.89	5.63	8.99	8.01	Pass
VHT80	MCS0	5	106	5530	0.29	-7.80	-8.25	-7.49	-7.92	-10.51	-1.28	8.99	8.01	Pass
VHT80	MCS0	5	122	5610	0.29	-4.26	-4.60	-3.46	-4.04	-5.36	2.69	8.99	8.01	Pass

TEST RESULTS DATA
Frequency Stability

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (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 Stablility (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	