

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2015/11/1 ~ 2015/11/8	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)					26dB Bandwidth (MHz)				
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Ant 1	Ant 2	Ant 3	Ant 4	Ant 5
11a	6Mbps	5	149	5745	17.15	17.25	17.15	17.15	18.70	21.30	21.00	20.95	21.05	28.15
11a	6Mbps	5	157	5785	17.15	17.20	17.25	17.20	19.35	21.30	20.70	21.00	21.10	32.75
11a	6Mbps	5	165	5825	17.15	17.15	17.55	17.20	20.30	21.30	21.00	21.00	21.10	33.55
VHT20	MCS0	5	149	5745	18.20	18.25	18.20	18.10	19.25	22.20	22.10	22.00	21.80	26.65
VHT20	MCS0	5	157	5785	18.20	18.20	18.25	18.20	19.45	22.15	22.20	22.15	21.65	26.75
VHT20	MCS0	5	165	5825	18.20	18.25	18.35	18.25	19.50	22.15	22.20	22.15	21.70	27.90
VHT40	MCS0	5	151	5755	36.20	36.30	36.30	36.20	37.40	40.77	40.86	40.68	40.41	50.31
VHT40	MCS0	5	159	5795	36.30	36.20	36.20	36.40	37.50	40.77	40.77	40.59	41.41	51.21
VHT80	MCS0	5	155	5775	76.20	75.96	76.08	76.08	76.56	85.28	85.12	85.28	85.28	96.96

Band IV											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	6 dB Bandwidth (MHz)					6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 3	Ant 4	Ant 5		
11a	6Mbps	5	149	5745	16.32	16.32	16.36	16.36	16.36	0.5	Pass
11a	6Mbps	5	157	5785	16.36	16.32	16.32	16.36	16.36	0.5	Pass
11a	6Mbps	5	165	5825	16.32	16.32	16.32	16.36	16.36	0.5	Pass
VHT20	MCS0	5	149	5745	17.20	17.32	17.00	16.80	17.56	0.5	Pass
VHT20	MCS0	5	157	5785	16.84	16.80	16.36	16.36	17.60	0.5	Pass
VHT20	MCS0	5	165	5825	17.16	16.80	17.56	16.36	17.56	0.5	Pass
VHT40	MCS0	5	151	5755	35.12	35.12	35.12	35.12	36.40	0.5	Pass
VHT40	MCS0	5	159	5795	35.12	35.12	35.12	35.20	36.48	0.5	Pass
VHT80	MCS0	5	155	5775	75.68	75.36	75.52	75.36	76.16	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV														
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	149	5745	0.16	14.34	14.67	14.87	13.99	16.14	21.86	5.00	30	Pass
11a	6Mbps	5	157	5785	0.16	13.78	14.79	14.47	13.91	15.97	21.65	5.00	30	Pass
11a	6Mbps	5	165	5825	0.16	14.33	15.20	15.29	14.79	15.58	22.05	5.00	30	Pass
HT20	MCS0	5	149	5745	0.08	13.73	13.97	14.46	13.65	14.04	20.97	5.00	30	Pass
HT20	MCS0	5	157	5785	0.08	13.54	14.17	14.19	13.66	13.99	20.91	5.00	30	Pass
HT20	MCS0	5	165	5825	0.08	14.06	14.50	15.02	14.49	13.81	21.39	5.00	30	Pass
HT40	MCS0	5	151	5755	0.15	12.36	12.38	12.97	12.25	12.72	19.53	5.00	30	Pass
HT40	MCS0	5	159	5795	0.15	12.46	12.60	13.06	12.38	12.87	19.67	5.00	30	Pass
VHT20	MCS0	5	149	5745	0.08	13.87	14.13	14.54	13.71	13.91	21.03	5.00	30	Pass
VHT20	MCS0	5	157	5785	0.08	13.60	14.25	14.27	13.75	14.00	20.97	5.00	30	Pass
VHT20	MCS0	5	165	5825	0.08	14.15	14.57	15.17	14.55	13.83	21.47	5.00	30	Pass
VHT40	MCS0	5	151	5755	0.15	12.39	12.70	13.04	12.30	12.77	19.64	5.00	30	Pass
VHT40	MCS0	5	159	5795	0.15	12.51	13.09	13.12	12.43	12.88	19.81	5.00	30	Pass
VHT80	MCS0	5	155	5775	0.29	7.82	8.40	8.47	7.55	5.68	14.68	5.00	30	Pass

TEST RESULTS DATA
Power Spectral Density

Band IV															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)	300kHz z RBW Factor (dB)	Average Power Density with Duty Factor and RBW factor (dBm/500kHz)						DG (dBi)	PSD Limit (dBm/ 500 kHz)	Pass /Fail
							Ant 1	Ant 2	Ant 3	Ant 4	Ant 5	Worst + 10 x LOG(5)			
11a	6Mbps	2	149	5745	0.16	2.22	0.08	0.13	0.56	-0.25	-0.62	7.55	8.99	27.01	Pass
11a	6Mbps	2	157	5785	0.16	2.22	-0.48	0.41	0.18	-0.35	0.18	7.40	8.99	27.01	Pass
11a	6Mbps	2	165	5825	0.16	2.22	-0.17	0.51	0.85	0.24	-0.04	7.84	8.99	27.01	Pass
VHT20	MCS0	2	149	5745	0.08	2.22	-0.63	-0.85	0.05	-0.76	-1.76	7.04	8.99	27.01	Pass
VHT20	MCS0	2	157	5785	0.08	2.22	-1.23	-0.57	-0.36	-1.00	-2.27	6.63	8.99	27.01	Pass
VHT20	MCS0	2	165	5825	0.08	2.22	-0.66	-0.55	0.19	-0.39	-2.13	7.18	8.99	27.01	Pass
VHT40	MCS0	2	151	5755	0.15	2.22	-4.95	-4.96	-4.28	-4.97	-5.97	2.71	8.99	27.01	Pass
VHT40	MCS0	2	159	5795	0.15	2.22	-4.93	-4.51	-4.31	-5.30	-6.20	2.68	8.99	27.01	Pass
VHT80	MCS0	2	155	5775	0.29	2.22	-8.03	-7.45	-6.99	-7.60	-10.77	0.00	8.99	27.01	Pass

TEST RESULTS DATA
Frequency Stability

Band IV										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	149	5745	5745.040	0.040	6.96	20	203	
11a	6Mbps	1	149	5745	5745.100	0.100	17.41	20	257	
11a	6Mbps	1	149	5745	5745.000	0.000	0.00	20	230	
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	-30	230	
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	50	230	