

Report Number : FR672014-01F

Test Engineer:	Tommy Lee / Derek Hsu	Temperature:	21~25	°C
Test Date:	2016/06/18~2016/07/31	Relative Humidity:	51~54	%

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

Band IV													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	19.10	18.95	35.70	37.60	16.36	16.32	0.5	0.5	Pass
11a	6Mbps	1	157	5785	18.70	19.30	33.90	38.30	16.30	16.32	0.5	0.5	Pass
11a	6Mbps	1	165	5825	19.00	19.55	34.90	41.20	16.32	16.32	0.5	0.5	Pass
11a	6Mbps	2	149	5745	19.10	20.80	35.36	41.44	16.32	16.36	0.5		Pass
11a	6Mbps	2	157	5785	19.35	20.65	37.12	42.88	16.32	16.32	0.5		Pass
11a	6Mbps	2	165	5825	19.40	24.10	38.24	46.88	16.40	16.32	0.5		Pass
HT20	MCS0	2	149	5745	19.70	20.55	41.76	42.88	17.56	17.60	0.5		Pass
HT20	MCS0	2	157	5785	19.70	20.55	41.12	47.36	17.56	17.56	0.5		Pass
HT20	MCS0	2	165	5825	19.85	23.85	44.48	46.24	17.60	17.56	0.5		Pass
HT40	MCS0	2	151	5755	37.00	37.80	68.19	92.63	36.24	36.32	0.5		Pass
HT40	MCS0	2	159	5795	37.10	39.70	79.64	94.88	36.32	36.32	0.5		Pass
VHT20	MCS0	2	149	5745	19.65	20.50	40.16	44.00	17.56	17.56	0.5		Pass
VHT20	MCS0	2	157	5785	19.40	20.50	36.00	44.80	17.60	17.54	0.5		Pass
VHT20	MCS0	2	165	5825	19.65	25.00	44.16	47.52	17.56	17.60	0.5		Pass
VHT40	MCS0	2	151	5755	37.00	38.40	68.48	88.00	36.28	36.32	0.5		Pass
VHT40	MCS0	2	159	5795	36.90	38.30	88.16	98.91	36.32	36.32	0.5		Pass
VHT80	MCS0	2	155	5775	75.96	76.08	128.24	155.28	75.52	75.36	0.5		Pass

TEST RESULTS DATA
Average Power Table

Band IV														
Mod.	Data Rate	N _{TX}	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	149	5745	0.29	0.32	16.60	16.37		30.00	30.00	1.59	2.86	Pass
11a	6Mbps	1	157	5785	0.29	0.32	16.69	16.26		30.00	30.00	1.59	2.86	Pass
11a	6Mbps	1	165	5825	0.29	0.32	16.52	16.30		30.00	30.00	1.59	2.86	Pass
HT20	MCS0	1	149	5745	0.31	0.33	16.52	16.37		30.00	30.00	1.59	2.86	Pass
HT20	MCS0	1	157	5785	0.31	0.33	16.53	16.16		30.00	30.00	1.59	2.86	Pass
HT20	MCS0	1	165	5825	0.31	0.33	16.38	16.34		30.00	30.00	1.59	2.86	Pass
HT40	MCS0	1	151	5755	0.11	0.11	15.56	15.54		30.00	30.00	1.59	2.86	Pass
HT40	MCS0	1	159	5795	0.11	0.11	15.78	15.51		30.00	30.00	1.59	2.86	Pass
VHT20	MCS0	1	149	5745	0.31	0.31	16.53	16.38		30.00	30.00	1.59	2.86	Pass
VHT20	MCS0	1	157	5785	0.31	0.31	16.54	16.13		30.00	30.00	1.59	2.86	Pass
VHT20	MCS0	1	165	5825	0.31	0.31	16.45	16.36		30.00	30.00	1.59	2.86	Pass
VHT40	MCS0	1	151	5755	0.11	0.11	15.71	15.60		30.00	30.00	1.59	2.86	Pass
VHT40	MCS0	1	159	5795	0.11	0.11	15.87	15.48		30.00	30.00	1.59	2.86	Pass
VHT80	MCS0	1	155	5775	0.18	0.22	15.18	14.89		30.00	30.00	1.59	2.86	Pass
11a	6Mbps	2	149	5745	0.32	0.32	16.56	16.34	19.46	30.00		2.86		Pass
11a	6Mbps	2	157	5785	0.32	0.32	16.59	16.20	19.41	30.00		2.86		Pass
11a	6Mbps	2	165	5825	0.32	0.32	16.57	16.39	19.49	30.00		2.86		Pass
HT20	MCS0	2	149	5745	0.34	0.31	16.46	16.48	19.48	30.00		2.86		Pass
HT20	MCS0	2	157	5785	0.34	0.31	16.58	16.21	19.41	30.00		2.86		Pass
HT20	MCS0	2	165	5825	0.34	0.31	16.49	16.43	19.47	30.00		2.86		Pass
HT40	MCS0	2	151	5755	0.11	0.11	15.66	15.67	18.67	30.00		2.86		Pass
HT40	MCS0	2	159	5795	0.11	0.11	15.79	15.66	18.74	30.00		2.86		Pass
VHT20	MCS0	2	149	5745	0.31	0.34	16.55	16.41	19.49	30.00		2.86		Pass
VHT20	MCS0	2	157	5785	0.31	0.34	16.63	16.26	19.46	30.00		2.86		Pass
VHT20	MCS0	2	165	5825	0.31	0.34	16.57	16.37	19.48	30.00		2.86		Pass
VHT40	MCS0	2	151	5755	0.11	0.11	15.82	15.82	18.83	30.00		2.86		Pass
VHT40	MCS0	2	159	5795	0.11	0.11	15.88	15.61	18.76	30.00		2.86		Pass
VHT80	MCS0	2	155	5775	0.18	0.18	15.10	14.93	18.03	30.00		2.86		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass. /Fail	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	0.29	0.32	2.22	2.22	2.88	2.04		30.00	30.00	1.59	2.86	Pass	
11a	6Mbps	1	157	5785	0.29	0.32	2.22	2.22	2.29	2.08		30.00	30.00	1.59	2.86	Pass	
11a	6Mbps	1	165	5825	0.29	0.32	2.22	2.22	2.21	1.69		30.00	30.00	1.59	2.86	Pass	
11a	6Mbps	2	149	5745	0.32	0.32	2.22					5.68	30.00		5.26		Pass
11a	6Mbps	2	157	5785	0.32	0.32	2.22					5.49	30.00		5.26		Pass
11a	6Mbps	2	165	5825	0.32	0.32	2.22					5.46	30.00		5.26		Pass
HT20	MCS0	2	149	5745	0.34	0.31	2.22					5.35	30.00		5.26		Pass
HT20	MCS0	2	157	5785	0.34	0.31	2.22					5.09	30.00		5.26		Pass
HT20	MCS0	2	165	5825	0.34	0.31	2.22					4.98	30.00		5.26		Pass
HT40	MCS0	2	151	5755	0.11	0.11	2.22					1.15	30.00		5.26		Pass
HT40	MCS0	2	159	5795	0.11	0.11	2.22					0.92	30.00		5.26		Pass
VHT20	MCS0	2	149	5745	0.31	0.34	2.22					5.36	30.00		5.26		Pass
VHT20	MCS0	2	157	5785	0.31	0.34	2.22					5.02	30.00		5.26		Pass
VHT20	MCS0	2	165	5825	0.31	0.34	2.22					4.89	30.00		5.26		Pass
VHT40	MCS0	2	151	5755	0.11	0.11	2.22					1.64	30.00		5.26		Pass
VHT40	MCS0	2	159	5795	0.11	0.11	2.22					1.08	30.00		5.26		Pass
VHT80	MCS0	2	155	5775	0.18	0.18	2.22					-2.09	30.00		5.26		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	5745.100	0.100	17.41	20	3.6	
11a	6Mbps	1	149	5745	5745.050	0.050	8.70	20	4.2	
11a	6Mbps	1	149	5745	5745.200	0.200	34.81	20	3.8	
11a	6Mbps	1	149	5745	5745.100	0.100	17.41	-30	3.8	
11a	6Mbps	1	149	5745	5745.100	0.100	17.41	50	3.8	