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11.MPE ESTIMATION

11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm ²)	Averaging time(minutes)		
300MHz1.5GHz	F/1500	30		
1.5GHz100GHz	1.0	30		

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)		
2412	1	30		
2437	1	30		
2462	1	30		

Note: F= Frequency in MHz

11.2. Estimation Result

EUT: 150Mbps 802.11n Wireless Broadband Router							
M/N: WNRT-617							
Test date: 2013-06-12	Pressure: 101.3kpa	Humidity: 55.6%					
Tested by: Leo-Li	Test site: RF site	Temperature: 25.4℃					

1 dB	Attenuator loss: 20 dB		Antenna Gain: 5.0 dBi			
СН	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
CH1	2412	18.99	79.25	5	3.16	0.0499
CH6	2437	19.49	88.92	5	3.16	0.0560
CH11	2462	18.58	72.11	5	3.16	0.0454
CH1	2412	20.07	101.62	5	3.16	0.0640
CH6	2437	26.74	472.06	5	3.16	0.2971
CH11	2462	18.86	76.91	5	3.16	0.0484
11n HT20 CH1 CH6	2412	18.92	77.98	5	3.16	0.0491
	2437	26.66	463.45	5	3.16	0.2917
CH11	2462	18.22	66.37	5	3.16	0.0418
11n CH1	2422	18.73	74.64	5	3.16	0.0470
CH4	2437	25.89	388.15	5	3.16	0.2443
CH7	2452	17.41	55.08	5	3.16	0.0347
	CH CH1 CH6 CH11 CH6 CH11 CH6 CH11 CH1 CH	CH Frequency (MHz) CH1 2412 CH6 2437 CH11 2462 CH1 2422 CH4 2437	CH Frequency (MHz) Peak Output Power (dBm) CH1 2412 18.99 CH6 2437 19.49 CH11 2462 18.58 CH1 2412 20.07 CH6 2437 26.74 CH11 2462 18.86 CH1 2412 18.92 CH6 2437 26.66 CH11 2462 18.22 CH1 2422 18.73 CH4 2437 25.89	CH Frequency (MHz) Peak Output Power (dBm) Output Power (mW) CH1 2412 18.99 79.25 CH6 2437 19.49 88.92 CH11 2462 18.58 72.11 CH1 2412 20.07 101.62 CH6 2437 26.74 472.06 CH11 2462 18.86 76.91 CH1 2412 18.92 77.98 CH6 2437 26.66 463.45 CH11 2462 18.22 66.37 CH1 2422 18.73 74.64 CH4 2437 25.89 388.15	CH Frequency (MHz) Peak Output Power (dBm) Output Power (mW) Antenna Gain (dBi) CH1 2412 18.99 79.25 5 CH6 2437 19.49 88.92 5 CH11 2462 18.58 72.11 5 CH1 2412 20.07 101.62 5 CH6 2437 26.74 472.06 5 CH1 2462 18.86 76.91 5 CH1 2412 18.92 77.98 5 CH6 2437 26.66 463.45 5 CH1 2462 18.22 66.37 5 CH1 2422 18.73 74.64 5 CH4 2437 25.89 388.15 5	CH Frequency (MHz) Peak Output Power (dBm) Output Power (mW) Antenna Gain (dBi) Antenna Gain (Linear) CH1 2412 18.99 79.25 5 3.16 CH6 2437 19.49 88.92 5 3.16 CH1 2462 18.58 72.11 5 3.16 CH1 2412 20.07 101.62 5 3.16 CH6 2437 26.74 472.06 5 3.16 CH1 2462 18.86 76.91 5 3.16 CH1 2412 18.92 77.98 5 3.16 CH6 2437 26.66 463.45 5 3.16 CH1 2462 18.22 66.37 5 3.16 CH1 2462 18.73 74.64 5 3.16 CH1 2422 18.73 74.64 5 3.16 CH4 2437 25.89 388.15 5 3.16

Note: The estimate distance is 20 cm.