Maximum Permissible Exposure report

For

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FCC ID:2AFFPM6M8S

Trade: N/A

This Report Concerns:		Equipment Type:	
Original Report		M6 M8S	
Test Engineer:	Lisa Chen	Lissa Chon	
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1.§ 15.247 (i) and §1.1307 (b) (1) – Maximum Permissible exposure (MPE)

1.1 Standard Applicable

According to subpart 15.247 (i) and subpart 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minute)		
Limits for General Population/Uncontrolled Exposure						
0.3-3.0	614	1.63	*(100)	30		
3.0–30	824/f	2.19/f	*(180/f2)	30		
30–300	27.5	0.073	0.2	30		
300-1500	/	/	f/1500	30		
1500–100,0 00	/	/	1.0	30		

f = frequency in MHz

1.2 Test Data

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

 $S = PG/4\pi R^2$

S: Power density, in mW/cm²

P: Power input to the antenna, in mW

G: numeric gain of the antenna

R: distance to the center of the antenna, in cm

^{* =} Plane-wave equivalent power density

802.11b Mode

<u>7</u>
<u>2</u>
162
1
2
170
0
2
3

1.3 Test Result

The device is compliant with the requirement MPE limit of General Population/Uncontrolled Exposure at predication frequency 1.0~mW/cm2. And the precaution is outlined in the user's manual to prevent to high level of RF energy.

MPE limit for the predication frequency (mW/cm 2):

Power density at predication frequency and distance (mW/cm²):

1.0

0.00174