Maximum Permissible Exposure report

For

INTERACTIF VISUEL SYSTEME

19,RUE KLOCK,92110 CLICHY,FRANCE

FCC ID: 2ACTDDEEP

July 19, 2014

This Report Concerns:	Equipment Type:
Original Report	Wireless power pack with WiFi function

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Report No.:	BSL1071011Y-6
Receive EUT	July 12 /
Date/Test Date:	July 12 - July 19, 2014
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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/cm^2)	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
1500–100,000	/	/	1.0	30

f = frequency in MHz
* = Plane-wave equivalent power density

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/cm^2

P: Power input to the
antenna, in mW
G: numeric gain of the antenna
R: distance to the center of the antenna, in cm

802.11b Mode

Maximum peak output power at antenna input terminal (dBm):	8.26
Maximum peak output power at antenna input terminal (mW):	6.70
Prediction distance (cm):	20
Prediction frequency (MHz):	2412
Antenna Gain, typical (dBi):	0
Maximum Antenna Gain (numeric):	1
Power density at predication frequency and distance (mW/cm^2):	0.00133
MPE limit for Occupational exposure at predication frequency (mW/cm^2):	1.0

802.11g Mode

Maximum peak output power at antenna input terminal (dBm):	7.77
Maximum peak output power at antenna input terminal (mW):	5.984
Prediction distance (cm):	20
Prediction frequency (MHz):	2462
Antenna Gain, typical (dBi):	0
Maximum Antenna Gain (numeric):	1
Power density at predication frequency and distance (mW/cm^2):	0.0012
MPE limit for Occupational exposure at predication frequency (mW/cm^2):	1.0

802.11n Mode

Maximum peak output power at antenna input terminal (dBm):	8.32
Maximum peak output power at antenna input terminal (mW):	6.792
Prediction distance (cm):	20
Prediction frequency (MHz):	2437
Antenna Gain, typical (dBi):	0
Maximum Antenna Gain (numeric):	1
Power density at predication frequency and distance (mW/cm^2):	0.00135
MPE limit for Occupational exposure at predication frequency (mW/cm^2):	1.0

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.