



CE MARKING

**ELECTROMAGNETIC COMPATIBILITY
ELECTRICAL SAFETY
LASER SPECTROSCOPY
ENVIRONMENTAL PHYSIC**

G.S.D. S.r.l.
Certified in accordance with
UNI EN ISO 9001:2008
by
TÜV Rheinland Italia S.r.l.
Certificate N. 39 00 1850509

G.S.D. S.r.l PISA - Italy	Technical file n. 15850-TCF	Rev. 00
Manufacturer	Power-One Italy S.p.A.	
Address	Via San Giorgio, 642 52028 Terranuova Bracciolini (AR) Italy	
Test Family Name	Cellular Card	
FCC ID	X6W-3N89E	
Testing Laboratory Name	G.S.D. S.r.l.	
Address	Via Marmiceto, 8 56121 Ospedaletto Pisa (PI) Italy	
Tel/Fax	+39 050 984254 / +39 050 984262	
P.IVA/VAT	01343950505	
http – e-mail	www.gsd.it - info@gsd.it	
	FCC Listed: Registration Number: 424037	
Location and Date of Issue	Pisa, 2015 December 30	

G.S.D. s.r.l.
Via Marmiceto, 8
56121 OSPEDALETTTO - PISA
Tel. 050.984254 - Fax 050.984262
P. IVA 01343950505

SENIOR EMC TEST MANAGER
Dr. Gian Luca Genovesi

QUALITY MANAGER
Dr. David Bellincia

INDEX	
1.MAXIMUM PERMISSIBLE EXPOSURE.....	3

1. MAXIMUM PERMISSIBLE EXPOSURE

Prediction of Maximum Permissible Exposure (MPE) limit at a given distance has been performed according to Prediction Methods described in Section 2 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g. mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the centre of radiation of the antenna (appropriate units, e.g. cm)

MPE limit has been calculated according to General Population/Uncontrolled rules.

1mW/cm² max at 20 cm of distance

Result

Frequency (MHz)	MPE Limit ($\frac{mW}{cm^2}$)	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	Distance (cm)	Maximum Power Density at 20 cm ($\frac{mW}{cm^2}$)
2400	1	17.7	-1.9	16.8	20	0.0077

This document may be only fully reproduced.

Every partial reproduction is only allowed after written approval released by G.S.D. S.r.l.

Report n. 15850-TCF Rev. 00, page 3 / 3