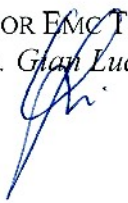

		<p><b>G.S.D. S.r.l.</b>                  Certified in accordance with  <b>UNI EN ISO 9001:2008</b>                  by  <b>TÜV Rheinland Italia S.r.l.</b>                  Certificate N. 39 00 1850509</p>	
<p><b>G.S.D. S.r.l</b>  <b>PISA - Italy</b></p>		<p><b>Technical file n. 15850-TCF</b></p>		<p>Rev. 00</p>	
<p>Manufacturer</p>		<p><b>Power-One Italy S.p.A.</b></p>			
<p>Address</p>		<p>Via San Giorgio, 642                  52028 Terranuova Bracciolini (AR)                  Italy</p>			
<p>Test Family Name</p>		<p><b>Cellular Card</b></p>			
<p>FCC ID</p>		<p>X6W-3N89E                  contains FCC ID: UDV-SIM7100A</p>			
<p>Testing Laboratory Name</p>		<p>G.S.D. S.r.l.</p>			
<p>Address</p>		<p>Via Marmiceto, 8                  56121 Ospedaletto Pisa (PI)                  Italy</p>			
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		<p>FCC Listed: Registration Number: 424037</p>			
<p>Location and Date of Issue</p>		<p>Pisa, 2016 March 24</p>			
<p style="text-align: center;"><b>G.S.D. s.r.l.</b>                  Via Marmiceto, 8                  56121 OSPEDALETTO - PISA                  Tel. 050.984254 - Fax 050.984262                  P. IVA 01343950505</p>					
<p>SENIOR EMC TEST MANAGER                  Dr. Gian Luca Genovesi</p> 			<p>QUALITY MANAGER                  Dr. David Pelliccia</p> 		
<p style="text-align: center;"><i>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 1 / 4</i></p>					

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**1. MAXIMUM PERMISSIBLE EXPOSURE**

Prediction of Maximum Permissible Exposure (MPE) limit at a given distance has been performed

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

S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

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.

**TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)**

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposure</b>				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f <sup>2</sup>	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f <sup>2</sup>	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

Calculation were performed with values from mpe calculation of FCC ID:UDV-SIM7100A and FCC ID: X6W-3N89E

Results				
WiFi Worst Case				
Frequency (MHz)	MPE Limit $(\frac{mW}{cm^2})$	Maximum EIRP (dBm)	Distance (cm)	Maximum Power Density at 20 cm $(\frac{mW}{cm^2})$
2400	1	16.8	20	0.0077
LTE/WCDMA Worst case (LTE BAND V, 824-849 MHz, Duty Cycle 100%)				
Frequency (MHz)	MPE Limit $(\frac{mW}{cm^2})$	Maximum EIRP (dBm)	Distance (cm)	Maximum Power Density at 20 cm $(\frac{mW}{cm^2})$
824	0.55	27.35	20	0.1100
Conclusion:				
Both of the WLAN and LTE device can transmit simultaneously, the formula of calculated MPE is: $CPD_1/LPD_1 + CPD_2/LPD_2 < 1$ CPD = Calculation Power Density LPD = Limit of Power Density				
Therefore, the worst-case situation is $0.0077/1 + 0.11/0.55 = 0.2077$ , which is less than "1". This confirmed that the device comply with FCC 1.1310 MPE Limit				