



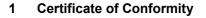
# Table of Contents

Relea	ase Control Record	3
1	Certificate of Conformity	4
2	RF Exposure	5
	Limits For Maximum Permissible Exposure (MPE) MPE Calculation Formula	
2.3	Classification Calculation Result Of Maximum Conducted Power	5



# **Release Control Record**

Issue No.	Description	Date Issued
SA190329D08	Original release.	Jul. 10, 2019



Product:	Power Pack Unit	
Brand:	IR-TEC	
Test Model:	ON-PPU-301	
Sample Status:	Engineering sample	
Applicant:	IR-TEC International Ltd.	
Test Date:	Apr. 10 to Jul. 2, 2019	
Standards:	Standards: FCC Part 2 (Section 2.1091)	
	KDB 447498 D01 General RF Exposure Guidance v06	
	IEEE C95.3 -2002	

The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

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Date: Jul. 10, 2019

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## 2 RF Exposure

## 2.1 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> )	Average Time (minutes)
	Limits For Gener	al Population / Uncor	ntrolled Exposure	
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
300-1500			f/1500	30
1500-100,000			1.0	30

f = Frequency in MHz ; \*Plane-wave equivalent power density

### 2.2 MPE Calculation Formula

### $Pd = (Pout^{*}G) / (4^{*}pi^{*}r^{2})$

#### where

 $Pd = power density in mW/cm^2$ 

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

#### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

#### 2.4 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm²)
2405-2475	4.60	1.57	20	0.0008	1

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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