telefication bv
The Netherlands
Chamber of Commerce
51565536
www.telefication.com

telefication

FCC RF Exposure Report

Product name : Lightport

Applicant : Invisua Lighting B.V.

FCC ID : XVV-MEGA23M12

Test report No. : 161201223 Ver 1.00

Laboratory information

Accreditation

Telefication is designated by the FCC as an Accredited Test Firm for compliance testing of equipment subject to Certification under Parts 15 & 18. The Designation number is: NL0001

The Industry Canada registration number for the 3 meter test chamber of Telefication is: 4173A-1.

Documentation

Telefication complies with the accreditation criteria for test laboratories as laid down in ISO/IEC 17025:2005. The accreditation covers the quality system of the laboratory as well as the specific activities as described in the authorized annex bearing the accreditation number L021 and is granted on 30 November 1990 by the Dutch Council For Accreditation (RvA: Raad voor Accreditatie).

The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 10 years at Telefication Netherland

Testing Location

Test Site	Telefication BV
Test Site location	Edisonstraat 12a 6902 PK Zevenaar The Netherlands Tel. +31316583180 Fax. +31316583189
Test Site FCC	NL0001

Revision History

Version	Date	Remarks	By
V1.00	29-05-2017	Release version	RvB

Table of Contents

1 General Description

1.1 Applicant

Client name:	Invisua Lighting B.V.
Address	Nuenenseweg 167-B23, Geldrop, The Netherlands
Zip code:	5667 KP
Telephone:	+31 407370190
E-mail:	Loek.janssen@invisua.com
Contact name:	L. Janssen

1.2 Manufacturer

Manufacturer name:	Invisua Lighting B.V.
Address:	Nuenenseweg 167-B23, Geldrop, The Netherlands
Zip code:	5667 KP
Telephone:	+31 407370190
E-mail:	Loek.janssen@invisua.com
Contact name:	L. Janssen

1.3 Tested Equipment Under Test (EUT)

Product name:	Lightport
Brand name:	Invisua
Product type:	FR controller (for LED spot)
FCC ID:	XVV-MEGA23M12
Model(s):	--
Software version:	--
Hardware version:	BOM version 01

1.4 MPE Calculation Method

Calculation method of RF Safety Distance:

$$PD = \frac{Pout * G}{4\pi r^2}$$

Where:
PD = Power Density in mW/cm^2
Pout = Output power in mW
G = Gain of antenna
R = Distance between observation point and centre of the radiator in cm

1.5 Antenna

Antenna type	Monopole Antenna
Antenna gain	2 dBi at 2.45 GHz

1.6 Calculation results

Frequency (MHz)	Max power (mW)	Antenna gain (numeric)	Distance (cm)	Power density (mW/cm^2)	Limit (mW/cm^2)	Result
2405 -2480	79.432	1.585	20	0.025	1	Pass