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

telefication

FCC RF Exposure Report

Product name	: Deeper pro+
Applicant	: Deeper, UAB
FCC ID	: 2AHKO-PRO
IC ID	: 21307-PRO

Test report No. : 160200396 MPE 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	24-05-2016	Release version	RvB

Table of Contents

1 General Description

1.1 Applicant

Client name:	Deeper, UAB
Address	Sauletekio ave 15, Vilnius, Lithuania
Zip code:	10224
Telephone:	+37065033272
E-mail:	donatas.malinauskas@deeper.eu
Contact name:	D. Malinauskas

1.2 Manufacturer

Manufacturer name:	Deeper, UAB
Address:	Sauletekio ave 15, Vilnius, Lithuania
Zip code:	10224
Telephone:	+37065033272
E-mail:	donatas.malinauskas@deeper.eu
Contact name:	D. Malinauskas

1.3 Tested Equipment Under Test (EUT)

Product name:	Deeper Pro+
Brand name:	Deeper Smart Sonar
Product type:	Wireless Smart Sonar
FCC ID:	2AHKO-PRO
IC ID	21307-PRO
Model(s):	DP1H10S10
Software version:	v1.0
Hardware version:	H12

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	Omnidirectional Antenna
Antenna gain	-2.3 dBi at 2.4 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
2412 -2462	62.80	0.5888	20	0.00736	1	Pass