

FCC RF Exposure Report

Product name : Deeper Start
FCC ID : 2AHKO-STR
ISED ID : 21307-STR

Test report No. : 171100866 FCC RF exposure 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 Nederland

Testing Location

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



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Revision History

Version	Date	Remarks	By
V1.00	13-02-2018	Release version	RvB

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1 General Description

1.1 Applicant

Client name:	Deeper UAB
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Zip code:	10224
Telephone:	+37065033273
Contact name:	D. Malinauskas
E-mail:	donatas.malinauskas@deeper.eu

1.2 Manufacturer

Manufacturer name:	Deeper UAB
Address:	Anatakalnio 17, Vilnius, Lithuania
Zip code:	10224
Telephone:	+37065033273
Contact name:	D. Malinauskas
E-mail:	donatas.malinauskas@deeper.eu

1.3 Tested Equipment Under Test (EUT)

Product name:	Deeper Start
Brand name:	Deeper
Product type:	Wireless Fishfinder
FCC ID:	2AHKO-STR
ISED ID	21307-STR
Model(s):	DP2H10S10

1.4 MPE Calculation Method

Calculation method of RF Safety Distance:

$$PD = 10 * \frac{P_{out} * G}{4\pi r^2}$$

Where:

PD = Power Density in W/m^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

Technology	WiFi
Antenna type	Monopole
Antenna gain	1 dBi

1.6 Calculation results

Technology	Frequency (MHz)	Max power (mW)	Antenna gain (numeric)	Distance (cm)	Power density (W/m^2)	Limit (W/m^2)	MPE ratio	MPE ratio limit
WiFi	2437	77.45	1.26	20	0.194	10	0.0194	≤ 1.0