

FCC RF Exposure Report

Product name : Communication Hub
Applicant : Neways Electronics International NV
FCC ID : 2AK2ZHUB1

Test report No. : 161000613 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

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1 General Description

1.1 Applicant

Client name:	Neways Electronics International NV
Address	Science Park Eindhoven 5010
Zip code:	5692 EA
E-mail:	Tim.van.der.Loo@newayselectronics.com
Contact name:	T. van der Loo

1.2 Manufacturer

Manufacturer name:	SC Industries
Address:	24151 Telegraph Road, Suite 100, Southfield, USA
E-mail:	sdclifeear.com
Contact name:	Sreenivas Cherukuri

1.3 Tested Equipment Under Test (EUT)

Product name:	Communication Hub
Brand name:	LifeEar
Product type:	Communication Hub between hearing aid and Smartphone
FCC ID:	2AK2ZHUB1
Model(s):	HUB-1
Software version:	V1.0
Hardware version:	V4
Date of receipt	04-11-2016
Tests started:	04-11-2016
Testing ended:	22-11-2016

1.4 MPE Calculation Method

Calculation method of RF Safety Distance:

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

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	0 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
2402 - 2480	5.62	1	5	0.01789	1	Pass