telefication bv
The Netherlands
Chamber of Commerce
51565536
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telefication

FCC RF exposure report

Product name	: T2030
Applicant	: Tacx
FCC ID	: 2AAMI-T2030
IC ID	: 11353A-T2030

Test report No. : 180801587 FCC MPE calculation v2.0

Laboratory information

Accreditation

Telefication complies with the accreditation criteria for test laboratories as laid down in ISO/IEC 17025:2005.

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.

Telefication is a Wireless Device Testing laboratory recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.
The Industry Canada registration number for the 3 meter test chamber of Telefication is: 4173A-1.

Documentation

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 Netherlands.

Testing Location

Test Site	Telefication BV
Test Site location	Edisonstraat 12a 6902 PK Zevenaar The Netherlands Tel. +31889983600 Fax. +31316583189

Revision History

Version	Date	Remarks	By
v0.5	06-03-2019	Draft version	KR
v1.0	06-03-2019	Release version	KR
v2.0	06-03-2019	Changed calculation distance from 0.5 to 20 cm	KR

Table of Contents

1 General Description

1.1 Applicant

Client name:	Tacx b.v.
Address	Rijksstraatweg 52, Wassenaar, the Netherlands
Zip code:	2241BW
Telephone:	+31 (0)705119259
E-mail:	martin@tacx.nl
Contact name:	Martin Smits

1.2 Manufacturer

Manufacturer name:	Tacx b.v.
Address:	Rijksstraatweg 52, Wassenaar, the Netherlands
Zip code:	2241BW
Telephone:	+31 (0)705119259
E-mail:	martin@tacx.nl
Contact name:	Martin Smits

1.3 Tested Equipment Under Test (EUT)

Product name:	T2030
Brand name:	Tacx
Product type:	Power meter
FCC ID:	2AAMI-T2030
IC ID	11353A-T2030
Software version:	--
Hardware version:	V08
Date of receipt	15-10-2018
Tests started:	15-10-2018
Testing ended:	14-02-2019

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/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	BLE
Antenna type	Ceramic chip antenna
Antenna gain	-2 dBi

1.6 Calculation results

Technology	Frequency (MHz)	Max power (mW)	Antenna gain (numeric)	Distance (cm)	Power density ($\boldsymbol{mW/m^2}$)	Limit ($\boldsymbol{mW/m^2}$)	MPE ratio	MPE ratio limit
BLE V5.0	2400 – 2483.5	0.86	0.631	20	0.0001	1	0.0001	≤ 1.0