

FCC RF Exposure Report

Product name : The Dash
Applicant : DashTag
FCC ID : 2A0FF A001

Test report No. : 171000318 FCC RF exposure Ver 1.00



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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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Revision History

Version	Date	Remarks	By
V1.00	29-01-2018	Release version	RvB



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1 General Description

1.1 Applicant

Client name: DashTag
Address: Stationsplein 45 A4.004, Rotterdam, The Netherlands
Zip code: 3013 AK
Telephone: +31622137002
E-mail: epcos@getdashtag.com
Contact name: Epcos Berger

1.2 Manufacturer

Manufacturer name: DashTag
Address: Stationsplein 45 A4.004, Rotterdam, The Netherlands
Zip code: 3013 AK
Telephone: +31622137002
E-mail: epcos@getdashtag.com
Contact name: Epcos Berger

1.3 Tested Equipment Under Test (EUT)

Product name: The Dash
Brand name: DashTag
Product type: A001
FCC ID: 2A0FF A001
Model(s): --
Software version: A
Hardware version: A



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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/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	Chip
Antenna gain	0.5 dBi

1.6 Calculation results

Technology	Frequency (MHz)	Max power (mW)	Antenna gain (numeric)	Distance (cm)	Power density (mW/m ²)	Limit (mW/m ²)	MPE ratio	MPE ratio limit
BLE	2412	0.06609	1.12	0.5	0.0235	1	0.0235	≤ 1.0