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FCC RF Exposure Report

Product name : SmartTAG Bluetooth Low Energy

Applicant : Wistiki SAS Company

FCC ID : 2AEBR-WISTIKI-V4

Test report No. : 170901627 MPE Ver 2.00

Laboratory information

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 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
v0.50	24-10-2018	Draft version	KR
v1.00	24-10-2018	Release version	KR
v2.00	13-11-2018	Corrected FCC ID	KR

Table of Contents

1 General Description

1.1 Applicant

Client name:	Wistiki SaS Company
Address	rue du Faubourg Pioissonnière, Paris, France
Zip code:	75010
Telephone:	+33 650102272
Contact name:	H. Lussato
E-mail:	hugo.lussato@wistiki.com

1.2 Manufacturer

Manufacturer name:	Robert Bosch France SAS
Address:	15, rue Charles de Coulomb, Mondeville, France
Zip code:	14125
Contact name::	J. Poux
E-mail:	Joel.Poux@fr.bosch.com

1.3 Tested Equipment Under Test (EUT)

Product name:	SmartTAG Bluetooth Low Energy
Brand name:	WISTIKI
Product type:	2.4 GHz data transmission equipment
FCC ID:	2AEBR-WISTIKI-V4
Model(s):	HOPLA
Software version:	1.1.2
Hardware version:	BSX0604-1 BU136v3
Date of assessment:	25-10-2018

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	PCB printed (meander)
Antenna gain	2 dBi

1.6 Calculation results

Frequency (MHz)	Max power (mW)	Antenna gain (numeric)	Distance (cm)	Power density ($\boldsymbol{mW/cm^2}$)	Limit ($\boldsymbol{mW/cm^2}$)	Result
2402 – 2480	1	1.58	0.5	0.5	1	Pass