

FCC RF Exposure Report

Product name : WRMB
Applicant : SALTO Systems, S.L.
FCC ID : UKCWRMB

Test report No. : 160400933 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

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1 General Description

1.1 Applicant

Client name: Salto systems, S.L.
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Zip code: 20180
Telephone: +34 943344550
E-mail: j.gutierrez@saltosystems.com
Contact name: J. Gutierrez

1.2 Manufacturer

Manufacturer name: Salto systems, S.L.
Address: C/Arkotz 9 Pol. Lanbarre, Oiartzun
Zip code: 20180
Telephone: +34 943344550
E-mail: j.gutierrez@saltosystems.com
Contact name: J. Gutierrez

1.3 Tested Equipment Under Test (EUT)

Product name: WRMB
Brand name: SALTO
Product type: BLE capable wall RFID card reader
FCC ID: UKCWRMB
Model(s): WRMB
Software version: Special firmware for testing
Hardware version: --

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	PCB PIFA
Antenna gain	0 dBi at 2.45 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
2405 -2480	1.5	1	20	0.03	1	Pass