

EMF REPORT

FCC 47 CFR § 2.1093 REPORT:

Radiofrequency radiation exposure evaluation.

Petitioner’s Reference: Wallbox USA Inc.

Customer Address: 723 N. Shoreline Blvd, Mountain View, CA 94043

Equipment: RFID01

Brand:	Wallbox	Model:	RFID01
S/N:	N/A		
FCC ID:	2BB8L-RFID01		

Result: complies

It has been tested and complies the standard specifications Applicable / s.
See specifications applied on this report.

Applicable Standards

FCC 47CFR § 2.1093

Date of issue: Bellaterra, December 20, 2023

The results refer only and exclusively to the sample, product or material delivered for testing in "Received Material" section below. The equipment has been tested under conditions stipulated by standard(s) quoted in this document.
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1. EQUIPMENT RECEIVED AND TESTED

EQUIPMENT SPECIFICATIONS	
Brand: Wallbox	Model: RFID01
s/n: N/A	Power Supply Range: 3.3 – 24V
HW Version: PARTF16B1	FW version: N/A
Maximum internal frequency: 13.56 MHz	
Product description: <i>(Information declared by the manufacturer)</i> RFID BOARD FOR IDENTIFICATION OF USER	
<u>RF FEATURES:</u> RFID-NFC	

1.1 Test configuration

Power Supply:	DC 3.3V – 24V
Set-up:	Table-top
Test exercise:	All results contained in this report are obtained according FCC § 2.1093
Equipment size:	68x58x8.8mm

1.2 Auxiliary and control equipment

HMI BOARD – SUPERNOVA – PATHM43A2

1.3 Input/output wires

5x2 PIN WIRE.

2. EN 62311 REQUIREMENT

2.1. GENERAL INFORMATION

Follow the maximum permissible exposure (MPE) limits specified in 447498 D01 Interim General Radio Frequency Exposure Guidelines v01. The gain of the antenna used in the product was extracted from the supplied antenna data sheet and the maximum total power input to the antenna was also measured. Calculate the distance from the product to the MPE limit by the formula.

2.2. LIMIT

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	SAR test Exclusion Threshold (mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

3. TEST RESULT

Mode	Channel	Frequency (MHz)	EIRP (dBm)	EIRP (mW)	Antenna Gain (dBi)	Antenna Gaing (numeric)	Max. Power (mW)	Limit (mW)	Result
RFID-NFC	1	13.56	-30,61	0,001	-3,9	0,00	0,001	3	PASS
Distance (m)	0,2								
Duty Cycle	1								

The device is exempt from the SAR test and satisfies RF exposure evaluation.