



# SAR Exemption Evaluation

**Applicant** Mercado Libre SRL  
**FCC ID** 2A5U9-MP200  
**Product** Mobile POS  
**Brand** MercadoPago  
**Model** MP200  
**Report No.** R2203A0264-S1  
**Issue Date** August 9, 2022

Wei Fangying

*Prepared by: Wei Fangying*

Fan Guangchang

*Approved by: Fan Guangchang*

**TA Technology (Shanghai) Co., Ltd.**

*Building 3, No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China  
TEL: +86-021-50791141/2/3  
FAX: +86-021-50791141/2/3-8000*



## Table of Contents

1	Test Laboratory.....	3
1.1	Notes of the Test Report.....	3
1.2	Test facility .....	3
1.3	Testing Location.....	3
1.4	Laboratory Environment.....	3
2	Description of Equipment under Test.....	4
3	Test Specification, Methods and Procedures .....	6
4	Output Power .....	7
5	Standalone SAR test exclusion considerations .....	8
	ANNEX A: The EUT Appearance.....	9



## 1 Test Laboratory

### 1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

### 1.2 Test facility

#### FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

### 1.3 Testing Location

Company: TA Technology (Shanghai) Co., Ltd.  
Address: Building 3, No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China  
City: Shanghai  
Post code: 201201  
Country: P. R. China  
Contact: Fan Guangchang  
Telephone: +86-021-50791141/2/3  
Fax: +86-021-50791141/2/3-8000  
Website: <http://www.ta-shanghai.com>  
E-mail: fanguangchang@ta-shanghai.com

### 1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 $\Omega$
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	



## 2 Description of Equipment under Test

### Client Information

Applicant	Mercado Libre SRL
Applicant address	Caseros 3039, Buenos Aires, ArgentinaBuenos Aires 1264 ARGENTINA
Manufacturer	Dspread Technology (Beijing) Inc.
Manufacturer address	Rm.407, b12c. #10 (Universal Business Park), Jiuxianqiao Road, Chaoyang District, Beijing, China,100015

### General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	MP200
SN	02201022022011000084
Hardware Version	1.0
Software Version	1.0.1
Antenna Type	Internal Antenna
Date of Testing	July 26, 2022 ~July 29, 2022
Date of Sample Received	July 16, 2022

Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.

**Wireless Technology and Frequency Range**

Wireless Technology	Modulation	Operating mode	Tx (MHz)
BT	2.4G	Version 4.2 BR/EDR + LE	2402 ~2480
NFC	13.56MHz		



### 3 Test Specification, Methods and Procedures

#### Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06



## 4 Output Power

BT	Conducted Power(dBm)			Tune-up Limit (dBm)	
	Channel/Frequency(MHz)				
	Ch 0/2402 MHz	Ch 39/2441 MHz	Ch 78/2480 MHz		
GFSK	0.89	0.50	-0.21	1.000	
BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	Tune-up Limit (dBm)	
GFSK	-1.59	-1.82	-2.86	-1.000	



## 5 Standalone SAR test exclusion considerations

Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Per KDB 447498 D01, when the minimum test separation distance is  $<$  5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Frequency (MHz)	Distance (mm)	MAX Power (dBm)	Ratio	SAR test exclusion thresholds	Evaluation
Bluetooth	Body	2480	5	1.000	0.397	3	No
Bluetooth (Low Energy)	Body	2480	5	-1.000	0.250	3	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine RF exposure evaluation.

\*\*\*\*\*END OF REPORT\*\*\*\*\*



## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.