

# EU Type Examination Certificate

Certificate No: TPS-RED500307 i02

<b>Certificate Holder:</b>	<b>Sumec Hardware &amp; Tools Co., Ltd.</b> No.1 Xinghuo Road Jiangbei New Area 210061 Nanjing, Jiangsu PEOPLE'S REPUBLIC OF CHINA
<b>Product Type:</b>	<b>Short range device / SRD</b> <b>Robotic lawnmower, powered by battery</b>
<b>Model(s):</b>	<b>LLS Bxy/zG, LLS BLxy/zG, LLS Bxy/zC, LLS BLxy/zC</b> <b>(x = 250-600, An integer multiple of 10; y = Null, i, B;</b> <b>z = Y, B, G)</b>

We, as Notified Body number 0123, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination

<b>Essential Requirements:</b>	Article 3.1 (a) in respect of Health and Safety Article 3.1 (b) in respect to EMC Article 3.2 in respect to the use of the Radio Spectrum
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The certificate has been issued in accordance with the Certification Regulations of TÜV SÜD Product Service GmbH (Notified Body Number 0123).

The CE marking may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable EU directives.

The conditions for the validity of this certificate are listed in the following pages.  
For further details related to this certification please contact [ps-cert@tuvsud.com](mailto:ps-cert@tuvsud.com)

This is based upon examination of the following Technical Data file.

<b>Technical Documentation:</b>	Summec LLS series up1 RED TCF
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**Valid from:** 2022-04-07



( Laurentiu Dan Miiler )

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## 1 Equipment Description

Robotic Lawn Mower, with Inductive loop system(RMI) powered by battery, have auto recharge, schedule working and it supports Bluetooth and WLAN function with a 2400-2483.5MHz operating frequency

Model	Variant HW/SW Differences	HW Version	SW Version
<b>Original</b> LLS Bxy/zC, LLS BLxy/zC, LLS Bxy/zG , LLS BLxy/zG (x=250~600, An integer multiple of 10; y=null; ; z=Y,B,G)	The Bxy ,BLxy, variants versions add bluetooth and WiFi capability to the original Bxy ,BLxy, that are RMI only versions	RM-MB-V8.0.0	RM-MB-V1.02
<b>Variant</b> LLS Bxy/zG, LLS BLxy/zG, LLS Bxy/zC, LLS BLxy/zC (x=250-600,An integer multiple of 10; y= i,B;z=Y,B,G)		RM-MB-V8.1.0	MCU0 : RM V6.01_2021

### 1.1 Supported Functions and Features

#### 1.1.1 Non-radio features

DC 24V Li-Ion battery;  
Adapter: input:100-240V,50/60Hz, output:24Vd.c.,1.5A .

#### 1.1.2 Radio features

Radio	Features	Operating Spectrum / Power	
<b>Short Range Device(SRD)</b>	Robotic Mowers with Inductive loop systems(RMI)	0.1-148.5KHz	68.75 dBuA/m
<b>Bluetooth</b>	BLE	2400-2483.5MHz	-0.4dBm
<b>IEEE 802.11 – 2.4 GHz</b>	b/g/n Adaptive	2400-2483.5MHz	11b 17.6dBm 11g 17.6dBm 11n_20 17.6dBm

### 1.2 Accessories

Model/Part Number	Description
FY2401500S1	SPEC: input:100-240V,50/60Hz,1.0A, output:24Vd.c.,1.5A
FY2401500S2	SPEC: input:100-240V,50/60Hz,1.0A, output:24Vd.c.,1.5A
FY2401500S3	SPEC: input:100-240V,50/60Hz,1.0A, output:24Vd.c.,1.5A

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## 2 Assessed Standards

Article 3.1(a)	Article 3.1(b)	Article 3.2
EN 60335-1:2012/A15:2021 EN 50636-2-107:2015/A3:2021 EN 62233:2208 EN 50665:2017 EN 50663:2017	EN 55014-1:2017 EN 55014-2:2015 EN IEC 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 EN 301 489-1 V2.2.3 Draft EN 301 489-3 V2.1.2 EN 301 489-17 V3.2.4	Draft EN 303 447 V1.3.0 EN 300 328 V2.2.2

## 3 Technical Documentation

### 3.1 Technical Documentation

Technical documentation and supporting evidence were examined and found to comply with the EU-type examination requirements in conjunction with Annex V requirements of the directive.

### 3.2 Declarations

Declaration of Conformity of SUMEC LLS B V8.0.0 platform up1 , Draft	Dated	2021-08-01
Description of difference for SUMEC LLS B V8.0.0 platform up1	Dated	2022-01-17

### 3.3 Strategic Documentation

RISK ASSESSMENT of SUMEC LLS B V8.0.0 platform up1 for RED	Issued	2022-01-08
Justification of Conformity of SUMEC LLS B V8.0.0 platform up1 for RED	Issued	2022-04-07

### 3.4 Technical Compliance Documentation

#### 3.4.1 Article 3.1(a)

60418087 001	Issued	2020-12-03
60418087 002	Issued	2022-01-28
4840320329800B	Issued	2020-11-12
4840320329801B	Issued	2022-02-17
4840320329801C	Issued	2022-02-17
4840320329801D	Issued	2022-02-17

#### 3.4.2 Article 3.1(b)

4840320329800A	Issued	2020-11-12
4840320329801A	Issued	2022-02-17

#### 3.4.3 Article 3.2

4840320329800B	Issued	2020-11-12
4840320329801B	Issued	2022-02-17
4840320329801C	Issued	2022-02-17
4840320329801D	Issued	2022-02-17



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## 4 Additional Information

None.

## 5 Conditions of Validity

None.