

EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU

SGS

Certificate Number

NB2906.2026.000116

Project Number

SZ-CERT251104759

Product Model Number(s)

LUB3S1

Brand/Trade Name

MAMMOTION

Product Type

Robotic Lawn Mower

Manufacturer

Shenzhen Mammotion Innovation Co.,
Limited

Address

9th Floor, Building A3, Nanshan Zhiyuan,
No.1001 Xueyuan Avenue, Changyuan
Community, Taoyuan Street,
Nanshan District, Shenzhen

Essential Requirements

Results

Article 3.1(a) - Health

Conforms

Article 3.1(b) - EMC

Conforms

Article 3.2 - Radio Spectrum

Conforms

Technical Documentation:

SZ-CERT251104759-02

Based upon an examination of the Technical Documentation and supporting evidence, the above listed equipment was found to conform with those essential requirements of the Radio Equipment Directive 2014/53/EU as noted above.

This certificate is issued for only the equipment mentioned above and is subject to the conditions and restrictions listed in the Annex. This type examination certification is issued under Module B of the Radio Equipment Directive 2014/53/EU, applying the Notified Body Identification Number adjacent to the CE Marking is NOT permitted. No changes/modifications to the equipment which would require a re-assessment are allowed - any such change will invalidate this type examination certificate.

This certificate is valid for a maximum of 5 years from the date of issue. This certificate will expire if there are any changes to the product, the assessment standards applied, the state of the art or the regulation. If this certificate includes article 3.3(d), 3.3(e) or 3.3(f), this certificate will expire if the RED Delegated Act regulation (EU) 2022/30 is repealed, replaced or amended by other legislation.

Authorized By:

Certificate Issue Date

March 2, 2026



Sen Lv
Certifier

NB2906



EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU



ESSENTIAL REQUIREMENTS

Article 3.1(a) - Health
Article 3.1(b) - EMC

APPLIED STANDARD(S)

EN IEC 62311:2020

EN IEC 55014-1:2021, EN IEC 55014-2:2021
EN IEC 61000-3-2:2019 +A1:2021+A2:2024
EN 61000-3-3:2013+A1:2019+A2:2021
EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2
EN 301 489-17 V3.3.1, EN 301 489-19 V2.2.1
EN 301 489-52 V1.2.1
EN 300 328 V2.2.2, EN 301 893 V2.1.1
EN 300 440 V2.2.1, EN 303 413 V1.2.1
EN 300 220-2 V3.2.1, EN 301 511 V12.5.1
EN 301 908-1 V15.2.1, EN 301 908-2 V13.1.1
EN 301 908-13 V13.2.1

Article 3.2 - Spectrum

PRODUCT TECHNICAL DETAILS

HW Version: HM442_MC_V05
SW Version: 2.1.2.4422

EQUIPMENT DETAIL

Radio	Frequency range (MHz)	Antenna Type	Modulation	Transmit Power
BLE	2402-2480	Note 1	GFSK	9.49dBm
WLAN	2412-2472	Note 1	DSSS, OFDM	18.34dBm
WLAN	5500-5700	Note 2	OFDM	17.32dBm
WLAN	5745-5825	Note 2	OFDM	13.91dBm
GNSS	1559-1610	Note 3	BPSK	N/A
Lora	863.1-869.85	Note 4	CSS	12.36dBm
GSM900	880-915/925-960	Note 5	GMSK, 8PSK	35dBm
GSM1800	1710-1785/1805-1880	Note 5	GMSK, 8PSK	32dBm
WCDMA B1	1920-1980/2110-2170	Note 5	QPSK, 16QAM	25dBm
WCDMA B8	880-915/925-960	Note 5	QPSK, 16QAM	25dBm
LTE B1	1920-1980/2110-2170	Note 5	QPSK, 16QAM	25dBm
LTE B3	1710-1785/1805-1880	Note 5	QPSK, 16QAM	25dBm
LTE B7	2500-2570/2620-2690	Note 5	QPSK, 16QAM	25dBm
LTE B8	880-915/925-960	Note 5	QPSK, 16QAM	25dBm
LTE B20	832-862/791-821	Note 5	QPSK, 16QAM	25dBm
LTE B28	703-748/758-803	Note 5	QPSK, 16QAM	25dBm
LTE B38	2570-2620	Note 5	QPSK, 16QAM	25dBm
LTE B40	2300-2400	Note 5	QPSK, 16QAM	25dBm

- Notes
- 1) PIFA Antenna, 2.9dBi
 - 2) PIFA Antenna, 2.8dBi
 - 3) PIFA Antenna
 - 4) PIFA Antenna, 2.7dBi
 - 5) PIFA Antenna, GSM900: 0.1dBi, GSM1800: 1.10dBi, WCDMA Band I: 0.9dBi, Band VIII: 0.1dBi, LTE Band 1: 0.9dBi, Band 3: 1.10dBi, Band 7: 1.20dBi, Band 8: 0.1dBi, Band 20: 0.1dBi, Band 28: -0.5dBi, Band 38: 1.4dBi, Band 40: 1.5dBi

ADDITIONAL MODELS

- 1) LUB3S2, LUB3S3, LUB3S4, LUB3H1, LUB3H2, LUB3H3, LUB3H4

CONDITIONS/RESTRICTIONS

The following conditions and restrictions apply:

- 1) LTE band 28 is restricted to operation in frequency range 703MHz-736MHz for the transmitter and 758-791 MHz for the receiver within all European Union countries.