

EU-Type Examination Certificate

2051-RED-231804

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

Dashboard for motorcycles

Model: DSBV4HTG

Placed on the market under the name or trade mark of

M.A.E. Elettronica S.r.l.
Via Presolana 31/33
24030 - Medolago (BG), Italy

This certificate attests that all provisions concerning the assessment and verification of performance described in the standard(s)

Art 3.1a:	EN 62368-1:2014 + A11:2017 EN 62311:2008
Art 3.1b:	ETSI EN 301 489-1 V2.2.3:2019 ETSI EN 301 489-3 V2.3.0:2022
Art 3.2:	ETSI EN 300 330 V2.1.1:2017

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate issued May 5, 2023

This Certificate was first issued on January 23, 2020 (2051-RED-200402)

This certificate consists of 3 pages
Certificate revision: 1.0

Nemko S.p.A.
Authorized signatory: Marco De Angelis

NB 2051


This certificate has been granted by Nemko Spa a Socio Unico, Via del Carroccio 4, 20853 Biassono (MB), Italy

This certificate remains valid for ten years from the issue date, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko S.p.A. is designated by the Italian Notifying Authority "Ministry of Economic Development".

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.

ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment identification: Dashboard for motorcycles
Model/type: DSBV4HTG
Variants: 1715, 1706, 1708, 1806
1927, V20C, V20C VIP, V21C
Brand/trade name: 
Supply voltage: 14.5 Vdc

TECHNICAL CHARACTERISTICS

Type of radio interface: RFID
Intended purpose: Antenna, transponder and base station for motorcycles dashboards
Class of equipment: Class I, Sub-classes 41 and 42 ("Inductive applications") of Commission Decision 2000/299/EC
Frequency range: 123 kHz and 134 kHz (band 119-135 kHz)
Transmit power: -3.3 dBuA/m @ 10m
Modulation type: FSK
Antenna type: Dedicated (coil antenna type XCB0311 made by Zadi Group, L = 1.025-1.065 mH @ 100 KHz)
Firmware: Not applicable
Application software: 1715User-sw-04-191016.hex

MANUFACTURER

Name: M.A.E. Elettronica S.r.l.
Address: Via Presolana 31/33 - 24030 - Medolago (BG), Italy

ADDITIONAL INFORMATION

None.

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ANNEX 2 - SCHEDULE OF APPROVAL

SCOPE OF EXAMINATION

<input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a).	COMPLIES
<input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b).	COMPLIES
<input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2).	COMPLIES
<input type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(i).	N/A

APPLICATIONS/LIMITATIONS

Nil.

MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.
The equipment shall carry the CE marking of the European Union.

TYPE EXAMINATION DOCUMENTATION

Test report(s)

- Safety test report by Nemko SpA (id: 385984TRFSAF, dated: 2019-01-10)
- Health test report by Nemko SpA (id: 385984TRFEMF, dated: 2019-11-18)
- EMC test report by Nemko SpA (id: 385984TRFEMC, dated: 2019-11-18)
- EMC test report by Nemko SpA (id: REP006326TRFEMC, dated: dated 2023-02-15)
- EMC test report by Nemko SpA (id: REP006327TRFEMC, dated: dated 2023-02-15)
- EMC test report by Nemko SpA (id: REP006328TRFEMC, dated: dated 2023-02-15)
- Radio test report by Nemko SpA (id: 385984TRFWL, dated: 2019-11-18)

Additional documentation

- RED technical file by M.A.E. Elettronica S.r.l. (id: 1715-DEX-Technical File-01-230201, Rev. 01, dated 2023-01-04)
- EU Type Evaluation Certificate by Nemko SpA (id: 2051-RED-200402, dated 2020-01-23)

ADDITIONAL INFORMATION

None.

<< End of certificate >>

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