



EU Declaration of Conformity (DoC-15021700073-D)

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration is in conformity with the relevant Union harmonization legislation:

2014/53/EU Radio Equipment Directive
1999/5/EC on Radio Equipment and Telecommunications Terminal Equipment (Non-RED Countries)
2011/65/EU on RoHS-2 for Restriction of the use of Hazardous Substances
2012/19/EU WEEE Waste Electrical and Electronic Equipment

Object of the Declaration: MOTOTRBO Repeater
SLR5500 with type designator FA509B, UHF 400-470MHz, 1-50W, 12.5/20/25kHz,
reduced controls, no display

National Licensed Frequencies Only

Superseded Remarks: This DoC supersedes DOC-15021700073-C

Manufacturer: Motorola Solutions Germany GmbH, Am Borsigturm 130, 13507 Berlin, Germany

Conformity:

Radio Equipment, Article 3(2):

RED:

EN 300 086 V2.1.2,
EN 300 113-2 V2.2.1,
EN 300 720 V2.1.1

RTTE:

EN 300 086 - 1 V1.4.1, EN 300 086 - 2 V1.3.1,
EN 300 113 - 1 V1.7.1, EN 300 113 - 2 V1.5.1,
EN 300 720 V1.3.2

EMC, Article 3(1)b:

EN 301 489-1 V1.9.2,
EN 301 489-5 V1.3.1,
EN 60945:2002-10

Safety, Article 3(1)a:

EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013

Others:

Phoenix Testlab, NB# 0700, performed the assessment with regards to Maritime standards EN 300 720 V2.1.1, according to Article 3.2 of RE-D and issued EU type examination certificate 17-112179
Maritime standards are valid with installed DSFMT00FM03 AC filter only

Year of first application of CE mark: 2015

The essential radio test suites, as defined in the quoted harmonized standards, have been performed.

BERLIN, 22-FEB-2018

Andreas Scheunemann
Managing Director Motorola Solutions Germany GmbH,
Am Borsigturm 130, D-13507 Berlin, Germany

Rüdiger Maurer
Director of Product Safety and Regulatory Compliance,
Motorola Solutions Germany GmbH



Rev. 1 Addendum to EU Declaration of Conformity (DoC-15021700073-D)

This declaration of conformity is an addendum to above referenced product DoC and is issued under the sole responsibility of the manufacturer.

The accessories described below are in conformity with the relevant Union harmonisation legislation.

The listed accessories are certified and approved for use with the radios listed in the referenced DoC.

OTHERS

3087791G01	Euro plug AC power cable
CKN6971A	AC filter box (required for maritime installation)
RKN4152A	DC power cable

SOFTWARE

The installed radio software is under the full control of the manufacturer with no access by the user and is in compliance with the relevant directives.

The above accessories are shown with their global part numbers. In practice the accessory will have a regional prefix. Prefixes are purely done for regional kittings - primarily the manual (languages) and packaging. Prefixes are MD for European countries, AA of United States and AZ for Asia/Pacific region.

Note: A copy of the above referenced signed and dated Declaration of Conformity can be obtained either via your local Motorola help desk, via your dealer from where you purchased this radio or alternatively you can send an email request to manufacturerdeclaration.eu@motorolasolutions.com, or via <http://www.motorolasolutions.com/Business/XU-EN/BMS+Resource+Library>

EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

Radio Equipment Directive (RED) 2014/53/EU

PHOENIX TESTLAB
Notified Body Number **0700**



This is to certify that:
PHOENIX TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

Certificate No.	17-112179
Manufacturer	Motorola Solutions
Address	Plot 2A, Medan Bayan Lepas, Mukim 12, S.W.D 11900 Bayan Lepas, Penang, Malaysia
Product Description	UHF on-board vessels Repeater, PMR relay station
Brand Name / Model Name	Motorola Solutions / SLR 5500 400-470M 50W FA509B

The radio equipment meets the following essential requirements


Article 3.1 a): Health and Safety	Not assessed
Article 3.1 b): Electromagnetic Compatibility	Not assessed
Article 3.2: Effective and Efficient Use of Radio Spectrum	Conform
Additional Essential Requirements:	not applicable

Date of issue **2018-02-20** Expiry date: **2023-02-19**

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.

The attached Annex forms part of this certificate. This certificate consists of 3 pages.




20.02.2018 12:45
Signed by Dieter Griep
Notified Body

Annex

Technical description

Frequency Range	400-470 MHz (channel spacing 12.5/20/25 kHz)
Transmit Power	max. 2 W
Hardware Version	Tanapa Number: PMUE4392ABAEAA
Software Version	---
Firmware Version	D01.00.23; Codeplug version: 01.00.25

System Components

Optional Components

Approval documentation

External / Internal Photos	provided
Instruction Manual	Basic Service & Installation Manual SLR Series
Operator's Manual	Quick Start Guide SLR 5000 Series Repeater
Block Diagram	see Technical / Product description
Circuit Diagram	see Technical / Product description
Operational Description	see Quick Start Guide SLR 5000 Series Repeater
PCB Layout / Parts Placement	provided
Parts List	see Technical / Product description
EU Declaration of Conformity	Declaration of Conformity, 2 pages, 2017-07-13
Explanation of compliance Article 10(2) and Article 10(10)	stated in User Manual
Further Documents	Risk assessment of SLR 5500 UHF1 Repeater, (on board version) Manufacturers Declaration, 2 pages, 2016-04-20 Technical / Product description ABZ99FT4096


Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 300 113-1 V1.7.1 EN 300 113-2 V1.5.1	Motorola Solutions Malaysia	01706-RF-00024 Rev.B 01706-RF-00025 Rev.B 01706-RF-00037 Rev.A 01706-RF-00038 Rev.A 01706-RF-00042 Rev.A 01706-RF-00043 Rev.A
EN 300 086-1 V1.4.1 EN 300 086-2 V1.3.1		01706-RF-00018 Rev.A 01706-RF-00019 Rev.A 01706-RF-00029 Rev.B 01706-RF-00036 Rev.A 01706-RF-00040 Rev.A 01706-RF-00041 Rev.A
EN 300 113 V2.2.1	MOTOROLA PENANG ADV. COMM. LABORATORY	08974-RF-00005 Rev.A
EN 300 720-1 V1.3.2 EN 300 720-2 V1.2.1	Phoenix Testlab	F160035E1

Limitations / Restrictions

- Restrictions for use shall be stated by the manufacturer, completed in the instructions accompanying the radio equipment. This could relate to frequency spectrum use and licence requirements.
- This device also contains frequency bands that are implemented by hardware, but not supported by software. Only the frequency bands stated in this Expertise are operable and have been assessed.
- The manufacturer shall provide information to the user concerning Health restriction.

Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.
4.  The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.