



Certificate Number T.2019.09.0010  
 Certificate Holder Quanzhou Risen Electronics Co., Ltd.  
 Certificate Holder Address No.26, Zishan Road, Jiangnan High-tech Industrial Zone  
 Licheng District, Quanzhou, Fujian  
 China 362000  
 Product Model Name RS-509MG, RS-509M, WP 250, Shark 3GE, RT-2509, KV-

Product Description VHF Marine Radio

Manufacturer  
 (if different from Certificate Holder)

<b>Type Examination Certificate</b>	In accordance with Annex III of Council Directive 2014/53/EU, Radio Equipment Directive (RED), and the mutual recognition of their conformity we give our opinion that the submitted documentation for the apparatus identified above complies with the requirements of the directive in the scope stated below.
<b>Marking</b>	The apparatus shall be marked with the CE mark as required by the Council Directive 2014/53/EU.
<b>Validity</b>	The conformity stated in this EU-Type Examination Certificate is provided until the assessed type of equipment or the standard(s) has(have) undergone changes or modifications but not later than 10 years after the issue date of this certificate.
<b>Annex</b>	The certificate is only valid together with the annex.


## Conformity Assessment

Essential Requirement	Examined Documentation	Result
<b>Safety</b>	Technical Documentation	conform
RED, Article 3.1a		
<b>Health</b>	Technical Documentation	conform
RED, Article 3.1a		
<b>EMC</b>	Technical Documentation	conform
RED, Article 3.1b		
<b>Radio Spectrum</b>	Technical Documentation	conform
RED, Article 3.2		
<b>Additional Requirements</b>	Technical Documentation	conform
RED, Article 3.3g		

CE 2784

St. Ingbert, 26.09.2019

Place, issue date



Authorized Signature

## Product Characteristics

Brand Name	Recent, orangemarine, POLMAR, JMC
Hardware Version	Not available
Software Version	Not available
Operating Frequency	156.000 – 163.425 MHz
	GNSS 1559 – 1610 MHz
Output Power	43.78 dBm conducted
Antenna	External Antenna(s)
Temperature	-20°C - +60°C

## Evaluated Test Reports

Essential Requirement	Examined Documentation
<b>Safety</b>	
RED, Article 3.1a	<b>EN 62368-1: 2014+A11 2017</b> Report-No.: MTWN19070334 Rev.1 issued by Shenzhen Most Technology Service Co., Ltd.
<b>Health</b>	
RED, Article 3.1a	<b>EN 62311:2008</b> Report-No.: MTWN19080363 issued by Shenzhen Most Technology Service Co., Ltd.
<b>EMC</b>	
RED, Article 3.1b	<b>EN 301 843-1 V2.2.1 (2017-11), EN 301 843-2 V2.2.1 (2017-11)</b> Report-No.: MTWN19080361 issued by Shenzhen Most Technology Service Co., Ltd.
<b>Radio Spectrum</b>	
RED, Article 3.2	<b>EN 301 025 V2.2.1 (2017-03), EN 300 338-3 V1.2.1 (2017-02)</b> Report-No.: MTWN19080362 issued by Shenzhen Most Technology Service Co., Ltd.
	<b>EN 303 413 V1.1.1 (2017-06)</b> Report-No.: MTWN19080418 issued by Shenzhen Most Technology Service Co., Ltd.
<b>Additional Requirements</b>	
RED, Article 3.3g	<b>EN 301 025 V2.2.1 (2017-03)</b> Report-No.: MTWN19080362 issued by Shenzhen Most Technology Service Co., Ltd.

# EU-Type Examination Certificate

## Limitations / Restrictions

- SAR was calculated with a separation distance of 2 m.
- The assessed Technical Construction File is part of the application.

## Notes

- Changes / Amendments of the specified regulations and standards during the validity of this certificate require a re-assessment of the product before placement on the market.
- The manufacturer is obliged to take all necessary measures to ensure ongoing conformity of the manufactured product with the approved type as described in this certificate and the requirements of Directive 2014/53/EU.
- The CE mark shall be affixed to each item of radio equipment that is in conformity with the type described in this certificate and that satisfies the applicable Directive requirements.
- A copy of the Declaration of Conformity drawn up by the manufacturer for each radio equipment type shall be made available to the relevant authorities and must be kept at their disposal for at least 10 years after the radio equipment has been placed on the market.

# EU-Type Examination Certificate