

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.	18-110206
Manufacturer	Samyung ENC CO., Ltd.
Address	69, Sangni-Ro, Youngdo-Gu, Busan, Korea, 49089 (Dongsam-Dong)
Product Description	Navigation radar for use on non-SOLAS vessels
Brand Name / Model Name	Samyung ENC / SMR-715, SMR-720

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: **2018-04-04** Expiry date: **2023-04-03**

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.



Signed by Klaus Knörig
Notified Body

Annex

Technical description

Frequency Range	9410 MHz \pm 30 MHz
Transmit Power	4 kW
Power Supply Input	12 V to 24 V DC
Hardware Version	v01.00
Software Version	Display Unit: v04.01 Scanner Unit: v04.02
Operational temperature range	Display Unit: -15°C to +55°C Scanner Unit: -25°C to +55°C

System Components

SMR-715	7-inch Color Display Unit SMR-715 Scanner Unit NKE-1066, 1.5 ft
SMR-720	7-inch Color Display Unit SMR-720 Scanner Unit NKE-2044, 2.0 ft

Approval documentation

Technical Documentation	Mechanical drawings, technical specifications, electrical interconnection diagrams, external photos, internal photos
Instruction Manual	SMR-715/720 Series, Marine Radar Equipment, Instruction Manual
EU Declaration of Conformity	Draft Declaration of Conformity SMR-715, 1 page Draft Declaration of Conformity SMR-720, 1 page
Attestation Letter	OEM Letter for SMR-715, document no. RD18ZZ0123A, 9 pages, 2018-01-23 OEM Letter for SMR-720, document no. RD18ZZ0123B, 9 pages, 2018-01-23
Further Documents	Risk Assessment, 2018-03-30,4 pages



Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 302 248 V2.1.1, clause 6.1	Japan Radio Co., Ltd.	WV-000001042
EN 302 248 V1.1.2 ^{NOTE} ITU-R M.1177-4	Japan Radio Co., Ltd.	WV-000001287
EN 302 248 V1.1.2 ^{NOTE}	Japan Radio Co., Ltd.	WV-000001293
EN 302 248 V2.1.1	Compliance Maritime Ltd.	JRC JMA-1032 Range & Bearing discrimination results, issue 1.2
EN 302 248 V2.1.1	TIMCO	257UT18TestReport_Rev1
EN 302 248 V2.1.1	TIMCO	258UT18TestReport_Rev1

NOTE: Also complies with EN 302 248 V2.1.1

Limitations / Restrictions

- None -

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.

