



## Declaration of Conformity

Navico declare under our sole responsibility that the following products to which this declaration relates is in conformity with the requirements of EU directives **2014/53/EU RED** and **2014/30/EU EMC**, and satisfies all the technical regulations applicable.

The assessment has been carried out in accordance with **Annex III** and **Annex II** of the above directives respectively.

<b>Product</b>	SIMRAD RS100 and B&G V100 Blackbox VHF Radio System SIMRAD RS100-B and B&G V100-B Blackbox VHF + AIS Radio System
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This product has been tested to the following standards

Standard	Description
EN 62311:2008	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz) - RED Article 3.1(a) Health.
IEC EN 62368-1:2020+A11	Audio/video, information and communication technology equipment — Part 1: Safety requirements - RED Article 3.1(a) Safety
EN 60945:2002 section 8, 9 & 10	Maritime navigation and radiocommunication equipment and systems — General requirements — Methods of testing and required test results. Cover 2014/30/EU EMC article 6, 2014/53/EU RED articles 3.1(a) Safety and 3.1(b) EMC.
EN 301 843-1 V2.2.1	ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services; Harmonised Standard for electromagnetic compatibility; Part 1: Common technical requirements of RED article 3.1(b) EMC.
EN 301 489-1 V2.2.3	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility - RED article 3.1(b).
EN 301 489-5 V2.2.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA); Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.
EN 301 489-17 V3.2.4	EN 301 489-17 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of RED article 3.1(b) -EMC.
EN 301 489-19 V2.1.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data; Harmonised Standard covering the essential requirements of RED article 3.1(b) EMC.
EN 300 328 V2.2.2	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of RED article 3.2 Radio.
EN 303 413 V1.1.1	Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands; Harmonised Standard covering the essential requirements of RED article 3.2 Radio.
EN 301 025 V2.2.1	VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC); Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of RED article 3.2 Radio and 3.3(g) emergency services.
EN 300 698 V2.3.1	Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways; Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of RED article 3.2 Radio.
EN 62287-1:2017	Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques - RED article 3.3(g).
EN 61162-1:2016	Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 1: Single talker and multiple listeners - RED article 3.3(g).
EN 61162-2:1998	Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission - RED article 3.3(g).
EN 61108-1:2003	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 1: Global positioning system (GPS) - Receiver equipment - Performance standards, methods of testing and required test results - RED article 3.3(g).
EN 61108-2:1998	Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 2: Global navigation satellite system (GLONASS) - Receiver equipment - Performance standards, methods of testing and required test results - RED article 3.3(g).

## Test reports

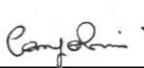

Laboratory	Report No.
SGS-CSTC Standards Technical Services Co., Ltd. – Shenzhen Branch.	SZEM210300219609, SZES210300129601, SZEM210300219601, SZES200700466701, SZEM210300219603, SZEM210300219604, SZEM210300219608, SZEM210300219605, SZEM210300219606, SZEM210300219607, SZEM210300219610, SZEM210300219611.

Furthermore, TheNotified Body SGS, with Notified Body number 0598 performed Modules B in Annex III of Directive 2014/53/EU, and issued the EU type examination certificate RED-2278.

## List of units:

Item	Model	Description
<b>1</b>	<b>SIMRAD RS100 / B&amp;G V100 Blackbox VHF Radio System</b>	
	NRS-1	Marine VHF Radio Processor
	HS100	Wired Handset SIMRAD / B&G
	SP100	Wired Speaker
<b>2</b>	<b>SIMRAD RS100-B / B&amp;G V100-B Blackbox VHF + AIS Radio System</b>	
	NRS-2	Marine VHF Radio Processor
	HS100	Wired Handset SIMRAD / B&G
	SP100	Wired Speaker

I, the undersigned, hereby declare that the equipment specified above conforms to the above directives and standards for CE marking for sale in the European community.

Authorized Representative in EU	
Address	Navico Logistics Europe B.V., Laan van Europa 450 (4th floor), 3317 DB Dordrecht, The Netherlands
Signature	Filippo Campolmi / RCE Manager  
Date	12/10/2021

The attention of the purchaser, installer, or user is drawn to special measures and limitations to use which must be observed when the product is taken into service to maintain compliance with the above directives. Details of these special measures and limitations to use are contained in the appropriate product manuals.