
FRGEN21

Homologation Labeling Specification

Revision History

Version	Date	Editor	Description
1.0	21.03.2022	R. Kucharzyk	Initial Version
2.0	28.6.2022	R. Kucharzyk	Update points: 1, 5.2.2, 6 and 6.1
3.0	17.6.2026	R. Kucharzyk	Updated: entire document structure; approval numbers for Canada and the USA; company information.

Acronyms:

EU	European Union
FCC	Federal Communications Commission
HVIN	Hardware Version Identification Number
IC	Industry Canada
UK	United Kingdom
UNECE	United Nation Economic Commission for Europe

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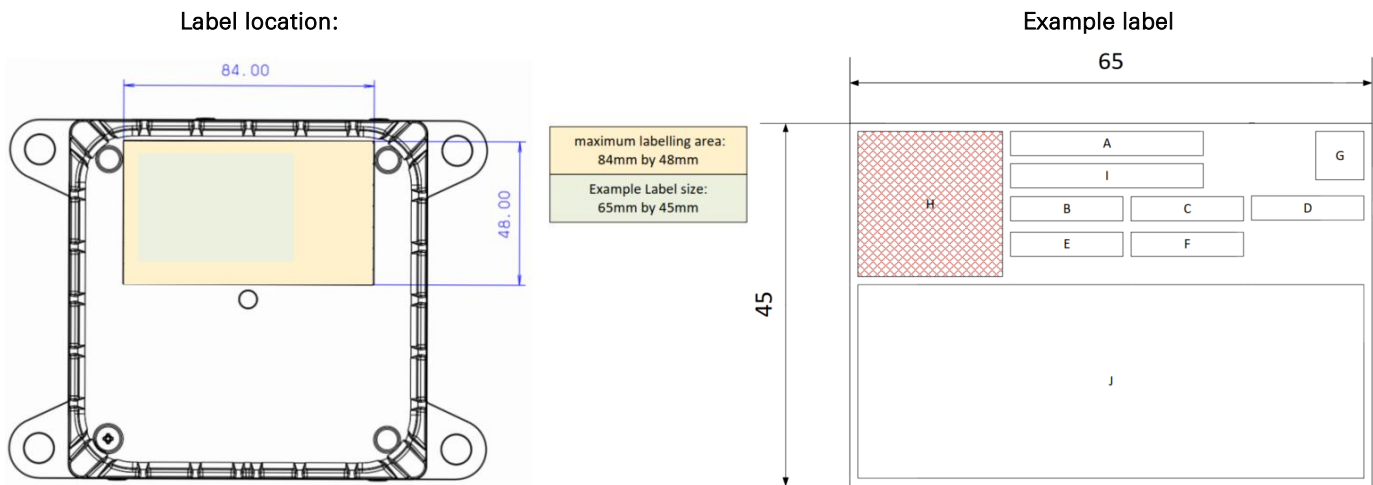
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Scope

This document is a homologation markings and user manual phrases for FRGEN21 radar sensor. It is intended for external distribution to the Radio Frequency type approvals and internal distribution.

Label position

The label will be laser-engraved on the radar sensor front housing.



Label with example data:



Country requirements

Model name

Required text	FRGEN21
Dimensional requirements	N/A

Country of origin

Required text (for radars manufactured in Anting, China)	MADE IN CHINA
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Canada

Artwork	IC: 123X-Y1234X
Dimensional requirements	N/A
Approval number (123X-Y1234X)	35686-FRGEN21

HVIN (FRGEN21)

Required text	HVIN: FRGEN21
Dimensional requirements	N/A

China

Artwork	CMIIT ID: XXXXXXXXXXXX
Dimensional requirements	N/A
Approval number (XXXXXXXXXX)	2022LP13041

European Union

Artwork	
Dimensional requirements	5 mm
Approval number	N/A
Note	European Union legislation require additional information to be placed on the label as described in the sections below.

Company name

Required text or artwork	ZF CAPRI NEWCO GMBH or ZF trademark
Dimensional requirements	N/A

Address

Required text	LOEWENTALER STRASSE 20 88046 FRIEDRICHSHAFEN, GERMANY
Dimensional requirements	N/A

Japan

Artwork	 XXX - ABCDEF
Dimensional requirements	3 mm
Approval number (XXX - ABCDEF)	219-220006

Date 17 June 2026

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Mexico

Artwork	IFT: xxxxxxxxxxxxxx
Dimensional requirements	N/A
Approval number (xxxxxxxxxxx)	SYZFFR22-18601

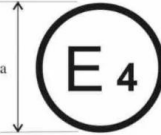
United States

Artwork	FCC ID: XXX-YY234
Dimensional requirements	2 mm
Approval number (XXX-YY234)	2BWBZ-FRGEN21

United Kingdom

Artwork	
Dimensional requirements	5 mm
Approval number	N/A

UNECE Regulation 10th marking

Artwork	 10R-XX XXXXX
Dimensional requirements	 10 R – 06 2439  a = 6 mm
Approval number (EXX 10R-XX XXXXX)	E24 10R-06 4167

Required country markings or information for user manual

A vehicle user manual needs to include below data.

Canada

This device contains license-exempt transmitters/receivers that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- 1) *l'appareil ne doit pas produire de brouillage, et*

- 2) *l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

China

不得擅自更改发射频率、加大发射功率（包括额外加装射频功率放大器），不得擅自外接天线或改用其它发射天线使用时不得对各种合法的无线电通信业务产生有害干扰；一旦发现有关扰现象时，应立即停止使用，并采取消除措施消除干扰后方可继续使用

使用微功率无线电设备，必须忍受各种无线电业务的干扰或工业、科学及医疗应用设备的辐射干扰

不得在飞机和机场附近使用。

European Union

Simplified EU Declaration of Conformity

Hereby, ZF Capri NewCo GmbH declares that radio equipment type FRGEN21 is in compliance with Directive 2014/53/EU (Radio Equipment Directive). The full declaration of conformity may be found at <https://www.zf.com/>.

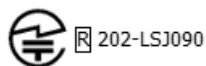
Information on frequency bands & wireless output power.

Data given here is the maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.

Frequency	Power
76.0 GHz - 77.0 GHz	≤34 dBm

Japan

This device is granted pursuant to the Japanese Radio Law (電波法) under the grant ID N° 認証番号



This device should not be modified (otherwise the granted designation number will become invalid)

本製品の改造は禁止されています。（適合証明番号などが無効となります。）

Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones:

- 1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- 2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Radiofrequency radiation exposure information

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

United Kingdom

Simplified UK Declaration of Conformity

Hereby, ZF Capri NewCo GmbH declares that radio equipment type FRGEN21 is in compliance with the Radio Equipment Regulations 2017. The full declaration of conformity may be found at <https://www.zf.com/>.

Information on frequency bands & wireless output power.

Data given here is the maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.

Frequency	Power
76.0 GHz - 77.0 GHz	≤34 dBm

United States

Changes or modifications made to this equipment not expressly approved by ZF Capri NewCo GmbH may void the FCC authorization to operate this equipment.

Class B digital Device

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiofrequency radiation exposure information

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.