

SGS0598

CERTIFICATE RED-3081

Issue no. 1

EU TYPE EXAMINATION CERTIFICATE
RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Product Transceiver Module

Model CM02XN-VWE

Series models CM02TN-VWW

Trademark -

Certificate holder / Manufacturer LG Electronics Inc.
10, Magokjungang 10-ro, Gangseo-gu, Seoul, Rep. of Korea

Other information -


Compliance with the requirements on the basis of type examination Product fulfils the requirements of the standard(s) listed on page 2 and the essential requirements set out in Article 3.1a (Health & Safety), Article 3.1b (EMC) and Article 3.2 (Radio Spectrum Use) of the Radio Equipment Directive 2014/53/EU.

Validity This certificate is valid until 2027-12-13 unless the standard in question has been amended or superseded.

Date of issue 13 December 2022

SGS Fimko Ltd

Signature


Jari Merikari
Certification Manager

SGS Fimko Ltd is a Notified Body (0598) according to the RE Directive 2014/53/EU.

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Applied standards

Article	Standard
3.1a Health & Safety	EN 62368-1:2014+A11:2017 EN IEC 62368-1:2020+A11:2020 EN 62311:2008
3.1b EMC	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.4
3.2 Radio Spectrum	EN 300 328 V2.2.2 EN 302 571 V2.1.1

Test reports

Testing Laboratory	Report Number	Date
TUV Rheinland Korea Ltd.	KR228QBG 001	2022-08-29
SGS Korea Co., Ltd.	F690501-RF-RTL003378	2022-08-25
	F690501-RF-EMC000861	2022-09-23
	F690501-RF-RTL003376	2022-08-25
	F690501-RF-RTL003377	2022-08-25
LG Electronics Inc.	LGE-2022-TM001	2022-11-15

Technical information

Operating voltage: DC 12 V, 2 A

Frequency band

Bluetooth LE: 2402 MHz - 2480 MHz

DSRC: 5860 - 5920 MHz

Output power

Bluetooth LE: 9.73 dBm EIRP

DSRC: 30.73 dBm EIRP

Antenna type and gain including cable loss

Bluetooth LE: 6.01 dBi, External Antenna

DSRC: 7.79 dBi, External Antenna

Accessories

Front Antenna(Active) [Model: CSA-1 / Manufacturer: Laird Technologies]

Hardware version: X04

Software version: X331

Technical Justification: Declaration of Equivalence_CM02XN-VWE

Additional information

This type examination certificate is based on the inspection of the technical file ref. no. CM02XN-VWE_20221122 dated on 22 November 2022 provided by the manufacturer.

This certificate is valid only for the types mentioned in this certificate.

The manufacturer must inform SGS Fimko if any technical or electrical changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate.