

Notified Body  
**TÜV Rheinland**  
**LGA Products GmbH**

Tillystraße 2  
90431 Nürnberg

notified by the

Bundesnetzagentur für Elektrizität, Gas,  
Telekommunikation, Post und Eisenbahnen

**under No. 0197**

herewith issues an

**EU-Type Examination Certificate**

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)  
for compliance with the essential requirements of this directive

Registration Number: RT 60155980 0001  
Evaluation Report Nr.: 50305955 003

Manufacturer: LG Electronics Inc.  
222, LG-ro, Jinwi-myeon  
Pyeongtaek-si  
Gyeonggi-do 451-713  
Republic of Korea

Product: Radio Equipment  
(CAR NAVIGATION)

Type  
Identification: MEB ICAS3

Essential  
requirements: 2014/53/EU (RED)  
Article 3.1a Electrical Safety  
Article 3.1a Health  
Article 3.1b EMC  
Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.

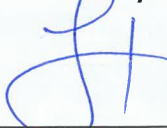
This certificate consists of this page and Annex I.

Validity of the certificate is specified in the Annex I.

Date 24.04.2021



Notified Body

  
TagSun Park

## Annex 1

Certificate Registration No.:

RT 60155980 0001

1 of 2

## Equipment

**Product** : CAR NAVIGATION

**Trademark** : LG, Volkswagen, SKODA, Seat

**Identification** : MEB ICAS3

**Product description** The EUT is a Bluetooth and WLAN device with radio function.

## System description

Frequency band(s) of operation	:	Bluetooth, WLAN 2.4GHz, WLAN 5.2 GHz, WLAN 5.8 GHz, VHF band II, VHF band III
Operating frequency	:	Bluetooth: 2 402 to 2 480 MHz WLAN 2.4 GHz Band: 2 412 MHz to 2 472 MHz WLAN 5 GHz Band: 5 150 MHz to 5 250 MHz WLAN 5 GHz Band: 5 725 MHz to 5 850 MHz VHF Band II: 87.5 MHz to 108 MHz VHF Band III: 174 MHz to 240 MHz
Channel spacing / bandwidth	:	Bluetooth: 1 MHz WLAN 2.4 GHz Band: 802.11b/g/n(HT20) WLAN 5 GHz Band 5 150 MHz to 5 250 MHz: 802.11a/n/ac(HT20) 802.11n/ac(HT40) 802.11ac(VHT80) WLAN 5 GHz Band 5 725 MHz to 5 850 MHz: 802.11a/n/ac(HT20) 802.11n/ac(HT40) 802.11ac(VHT80)
RF output power	:	Bluetooth: max. 1.20 dBm WLAN 2.4 GHz Band max. 16.40 dBm WLAN 5.2 GHz Band: max. 13.46 dBm WLAN 5.8 GHz Band: max. 13.77 dBm
Type of modulation	:	Bluetooth: GFSK, $\pi/4$ -DQPSK, 8DPSK WLAN: DSSS, OFDM
Type of antenna	:	Bluetooth : PCB Antenna WLAN 2.4 GHz Band: Chip Antenna WLAN 5 GHz Band: PCB Antenna (Ant 0) WLAN 5 GHz Band: Chip Antenna (Ant 1)
Mode of operation (simplex / duplex)	:	Duplex
Duty cycle (access protocol, if applicable)	:	Not relevant

## Documentation

User information and installation instructions	<input checked="" type="checkbox"/>
Block diagram	<input checked="" type="checkbox"/>
Circuit diagram	<input checked="" type="checkbox"/>
Part list	<input checked="" type="checkbox"/>
PCB layout	<input checked="" type="checkbox"/>
Photo documentation	<input checked="" type="checkbox"/>
Versions of firmware/software used	<input checked="" type="checkbox"/>
Risk Analysis	<input checked="" type="checkbox"/>

## Conformity Assessment

<b>Applied harmonised standards</b> (Referred to the publication of harmonised standards in the official Journal of the EU at the time of issuance)			
Article	Standard	Test Report No.	Issued by
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio	EN 300 328 V2.2.2	OT-208-RWD-013 OT-208-RWD-014	ONETECH Corp.
	EN 301 893 V2.1.1	OT-209-RWD-037	
3.3 Others			

<b>Applied non-harmonised standards</b>			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 62311:2008	OT-214-RWD-045	ONETECH Corp.
3.1a Safety	EN 62368-1:2014+A11:2017 EN IEC 62368-1:2020+A11:2020	60414715 001	TÜV Rheinland Korea Ltd.
3.1b EMC	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.4 EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 EN 55013:2013 EN 55020: 2007+A11: 2011+A12: 2016 EN 55022:2010 EN 55024:2010	OT-214-RED-061	ONETECH Corp.
3.2 Radio	EN 303 345-3 V1.1.0 EN 303 345-4 V1.1.0	OT-209-RWD-092	ONETECH Corp.
	EN 300 440 V2.2.1	OT-209-RWD-036	
3.3 Others			

<b>Other solutions, adopted to meet the essential requirements</b>			
Article	Standard	Test Report No.	Issued by
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio			
3.3 Others			

**Rationale for applied non-harmonised standards or other solutions:**

- RED OJ does not contain these standards yet, but which approved by ETSI as its harmonized standard under RED or published by CENELEC.

**Remarks:**

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.