



DEKRA Testing and Certification, S.A.U.

Product certification body accredited by ENAC with accreditation No. 134/C-PR301
and designated by the competent national authority of Spain

to act as Notified Body (Notified Body No: 1909) in accordance with the Directive 2014/53/EU of 16 April 2014

Directive 2014/53/EU – EU-TYPE EXAMINATION CERTIFICATE

Identification Number: **51929RNB.008**
Issue date: **2020-05-08**

MANUFACTURER DETAILS:

Company name: **PANASONIC AUTOMOTIVE SYSTEMS EUROPE GMBH**
Address: **Robert Bosch Str. 27-29
63225 Langen
Germany**

EQUIPMENT DETAILS:

Type of equipment: **Headunit with radio and Bluetooth**
Brand name: **Panasonic**
Model name: **MIB3E_MQB_BTWIFI**
HW version: **X31 / X40**
SW version: **X450 / X820**

SCOPE OF OPINION:

Essential requirements	Specifications / Standards	Submitted documents
Article 3.1(a): Electrical safety	EN 62368-1:2014 + AC:2015 + A11:2017	Test reports
Article 3.1(a): EMF exposure	EN 62311:2008	Assessment reports
Article 3.1(b): EMC	Draft EN 301 489-1 V2.2.0 Draft EN 301 489-17 V3.2.0 EN 55032: 2015 + AC:2016 EN 55035: 2017	Test reports
Article 3.2: Radio spectrum use	EN 300 328 V2.1.1 EN 300 440 V2.2.1 EN 301 893 V2.1.1 Final Draft EN 303 345 V1.1.7	Test reports

OPINION:

Our opinion in accordance with Annex III of DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on radio equipment and the mutual recognition of their conformity is that the equipment complies with the requirements of that directive stated in the above scope. This opinion has 1 annex with 2 pages and it is only valid in conjunction with it.

Signed on behalf of DEKRA Testing and Certification, S.A.U. in Málaga (Spain)

Name: **Benjamín Ramírez**
Position: **Responsible for Certification**

Annex I to EU-Type Examination Certificate No. 51929RNB.008

TECHNICAL DOCUMENTATION:

Held at: PANASONIC AUTOMOTIVE SYSTEMS EUROPE GMBH
 Address: Robert Bosch Str. 27-29 – 63225 Langen – Germany
 Identification name/number: MIB3E_MQB_BTWIFI
 Issue date: 2020-05-08

TECHNICAL FEATURES AND CHARACTERISTICS:

Operation modes: Bluetooth 4.2 EDR
 802.11a/b/n/ac
 AM/FM/DAB broadcast sound receiver (BSR)

Operating frequency bands: Bluetooth: 2400-2483.5 MHz
 802.11b/n: 2400-2483.5 MHz
 802.11a/n/ac: 5150-5250 MHz
 5725-5850 MHz

Output power (rated): AM BSR: MF
 FM BSR: VHF band II
 DAB BSR: VHF Band III
 Bluetooth: 4.9 dBm eirp
 802.11b/n: 13.8 dBm eirp
 802.11a/n/ac: 5150-5250 MHz: 5.6 dBm eirp
 5725-5850 MHz: 7.81 dBm eirp

Operating temperature range: From -35°C to 70°C
 Operating voltage range: 12 VDC
 Antenna: Integral antenna
 Intended use: Automotive headunit with radio, Bluetooth EDR and WiFi 802.11a/b/n/ac

CONFORMITY DETAILS:

Essential requirements	Specifications / Standards	Reference documents
Article 3.1(a): Electrical safety	EN 62368-1:2014 + AC:2015 + A11:2017	51929RSE.001 51929RSE.002 51929RSE.009
Article 3.1(a): EMF exposure	EN 62311:2008	51929RAN.002 51929RAN.003 51929RAN.017
Article 3.1(b): EMC	Draft EN 301 489-1 V2.2.0 Draft EN 301 489-17 V3.2.0 EN 55032: 2015 + AC:2016 EN 55035: 2017	51929REM.002 51929REM.003 51929REM.019
Article 3.2: Radio spectrum use	EN 300 328 V2.1.1 EN 300 440 V2.2.1 EN 301 893 V2.1.1 Final Draft EN 303 345 V1.1.7	51929RRF.003 51929RRF.008 51929RRF.006 51929RRF.009 51929RRF.005 51929RRF.010 51929RRF.004 51929RRF.007 51929RRF.033 51929RRF.035 51929RRF.036

REMARKS AND COMMENTS:

It is mandatory to inform DEKRA Testing and Certification, S.A.U. in writing about any change in the approved equipment identified in this certificate, which could affect the conformity of the apparatus with the essential requirements or the conditions of validity of this certificate.

EMF exposure only evaluated when the antenna used with the device is located at a minimum distance of 20 cm from the user.

Device should be installed following manufacturer instructions. The integration conditions may affect the compliance; if the manufacturer is in doubt about the compliance then the equipment under new integration conditions must be assessed to demonstrate compliance with the essential requirements of the 2014/53/EC Directive. It should be noted that assessment does not necessarily lead to testing.

Three different variants are commercialised under the model name MIB3E_MQB_BTWIFI, each one identified with the part numbers 654.035.869.A, 654.035.869.B, and 575.035.869. All variants have been evaluated and are covered by this EU-Type Examination Certificate.

The HW version X31 and SW version X450 correspond to number parts 654.035.869.A and 654.035.869.B, whereas the HW version X40 and SW version X820 correspond to part 575.035.869.

MODIFICATIONS:

It is added a new variant with part number 575.035.869.

This certificate supersedes and replaces the certificate version 51929RNB.001.