EU Declaration of Conformity (DoC-15120100203-D)

Motorola Solutions declares under its sole responsibility that the products, to which this declaration relates, conform to the applicable essential requirements of the following Directive(s) of the Council of the European Community on the approximation of the laws of the Member States:

2011/65/EU on RoHS-2 for Restriction of the use of Hazardous Substances
2012/19/EU WEEE Waste Electrical and Electronic Equipment
2013/35/EU on Occupational Exposure to Electromagnetic Fields
ECE Regulation No. 10 for Electrical/Electronic-Subassembly (Automotive Directive)
1999/5/EC on Radio Equipment and Telecommunications Terminal Equipment (Non-RED Countries)

Object of the Declaration: MOTOTRBO Subscriber DM4xxx mobile Radio series
136-174MHz, TX.1-25W, 12.5/20/25kHz; BT, WiFi™ capable
DM4400e, Type Designator: MBAR304D, TX: 1-25W, numeric Display
DM4401e, Type Designator: MBAR304DE, TX: 1-25W, numeric Display, BT/GNSS/WiFi™
DM4600e, Type Designator: MBAR304N, TX: 1-25W, alphanumeric Display
DM4601e, Type Designator: MBAR304NE, TX: 1-25W, alphanumeric Display, BT/GNSS/WiFi™
National Licenced Frequencies Only

Superseded Remarks: This DoC supersedes DOC-15120100203-C

Manufacturer: Motorola Solutions Germany GmbH, Am Borsigturm 130, 13507 Berlin, Germany

Conformity:

Radio Equipment, Article 3(2):
RED:
EN 300 086 V2.1.2, EN 300 113 V2.2.1, EN 300 219 V2.1.1 ,EN 300 328 v2.1.1
RTTE:
EN 300 086 - 1 V1.4.1, EN 300 086 - 2 V1.3.1,
EN 300 113 - 1 V1.7.1, EN 300 113 - 2 V1.5.1,
EN 300 219 - 1 V1.2.1, EN 300 219 - 2 V1.1.1,
EN 300 328 V1.9.1

EMC, Article 3(1)b:
EN 301 489 - 1 V1.9.2, EN 301 489 - 5 V1.3.1, EN 301 489 - 17 V2.2.1
For desktop applications: This is a EMC class A product according to EMC directive 2004/108/EC. This product may cause interference if used in residential areas. Such use must be avoided unless the user takes special measures to reduce magnetic emissions to prevent interference to the reception of radio and television broadcast.

Safety, Article 3(1)a:
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits
EN 62311:2008

Others:
This product shows compliance with Automotive Regulation ECE10, marked with E24 10R-051847

Year of first application of CE mark: 2015

The essential radio test suites, as defined in the quoted harmonized standards, have been performed.

BERLIN, 19-JUN-2017

Andreas Scheunemann
Managing Director Motorola Solutions Germany GmbH,
Am Borsigturm 130, D-13507 Berlin, Germany

Rüdiger Meurer
Director of Product Safety and Regulatory Compliance,
Motorola Solutions Germany GmbH

Document Keeper: Motorola Solutions Germany GmbH, Am Borsigturm 130, D-13507 Berlin, Germany
Rev. 1 Addendum to EU Declaration of Conformity (DoC-15120100203-D)

This declaration of conformity is an addendum to above referenced product DoC and is issued under the sole responsibility of the manufacturer.
The accessories described below are in conformity with the relevant Union harmonisation legislation.
The listed accessories are certified and approved for use with the radios listed in the referenced DoC.

<table>
<thead>
<tr>
<th>Audio</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>89409N</td>
<td>HK200 GSM STYLE EARPIECE WIRELESS NON-SECURE</td>
</tr>
<tr>
<td>ASMHK200-CN2A</td>
<td>HK200 BLUETOOTH HEADSET WITH CHINA PLUG</td>
</tr>
<tr>
<td>ASMHK200-GB3A</td>
<td>NON-SECURE HK200 MOBILE BLUETOOTH HEADSET WITH EURO PLUG</td>
</tr>
<tr>
<td>ASMHK200-KR2A</td>
<td>HK200 BLUETOOTH HEADSET WITH KOREA PLUG</td>
</tr>
<tr>
<td>ASMHK200VP-GB2A</td>
<td>NON-SECURE HK200 MOBILE BLUETOOTH HEADSET WITH UK PLUG</td>
</tr>
<tr>
<td>HMMN4098A</td>
<td>TELEPHONE STYLE HANDSET</td>
</tr>
<tr>
<td>NNTN8143C</td>
<td>REMOTE PTT BLUETOOTH POD (NON-SECURE)</td>
</tr>
<tr>
<td>NNTN8191B</td>
<td>BLUETOOTH POD, NO CHARGER</td>
</tr>
<tr>
<td>NNTN8294A</td>
<td>OPERATIONS CRITICAL 1-WIRE EARBUD 29CM CORD BLACK</td>
</tr>
<tr>
<td>NNTN8295A</td>
<td>OPERATIONS CRITICAL 1-WIRE EARBUD 116CM CORD BLACK</td>
</tr>
<tr>
<td>NNTN8296A</td>
<td>WIRELESS COVERT KIT</td>
</tr>
<tr>
<td>PMLN5718AS</td>
<td>OPTION BOARD KIT</td>
</tr>
<tr>
<td>PMLN6053A</td>
<td>OPERATIONS CRITICAL WIRELESS EARPIECE, 12</td>
</tr>
<tr>
<td>PMLN6404A</td>
<td>MOTOTRBO REMOTE MNT ADAPTOR KIT</td>
</tr>
<tr>
<td>PMLN6463A</td>
<td>BUSINESS WIRELESS ACCESSORY KIT</td>
</tr>
<tr>
<td>PMLN7052A</td>
<td>OPERATIONS CRITICAL WIRELESS 1-WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE</td>
</tr>
<tr>
<td>PMLN7181A</td>
<td>FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC</td>
</tr>
<tr>
<td>PMLN7203A</td>
<td>FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC, MULTIPACK</td>
</tr>
<tr>
<td>PMMN4095_</td>
<td>WIRELESS R2.17A LONG RANGE REMOTE SPEAKER</td>
</tr>
<tr>
<td>PMMN4097</td>
<td>WIRELESS R2.17 MOBILE MICROPHONE GATEWAY</td>
</tr>
</tbody>
</table>
Rev. 1 Addendum to EU Declaration of Conformity (DoC-15120100203-D)

This declaration of conformity is an addendum to above referenced product DoC and is issued under the sole responsibility of the manufacturer.
The accessories described below are in conformity with the relevant Union harmonisation legislation.
The listed accessories are certified and approved for use with the radios listed in the referenced DoC.

AUDIO
RLN4922A COMPLETELY DISCREET EARPIECE KIT
RLN4941A RECEIVER-ONLY EARPIECE WITH TRANSLUCENT TUBE AND RUBBER EARTIP FOR REMOTE SPEAKER MICROPHONE
RLN5926A PUSH BUTTON PTT
RLN5929A EMERGENCY FOOTSWITCH
RLN6490A XBT HEADSET BTN, HEAVY DUTY HEADSET, BT
RLN6491A XBT HEADSET HB, HEAVY DUTY HEADSET, BT
RMN5052A COMPACT MICROPHONE
RMN5053A HEAVY DUTY MICROPHONE WITH ENHANCED AUDIO
RMN5054B VISOR MICROPHONE WITH ENHANCED AUDIO
RMN5127C IMPRES 4-WAY NAVIGATION KEYPAD MICROPHONE WITH ENHANCED AUDIO
RSN4002A 13 WATT EXTERNAL SPEAKER
RSN4003A 7.5 WATT EXTERNAL SPEAKER
RSN4004A 5 WATT EXTERNAL SPEAKER
RSN4005A DESKTOP TRAY WITH SPEAKER

CHARGER
HN4137 MOBILE PWR CABLE 10 FT, 14 AWG, 15A
HN4191 POWER CABLE TO BATTERY, 10-FOOT (3-METRE) CABLE, 20 AMP (1 45 WATT)
HN4192 POWER CABLE TO BATTERY, 20-FOOT (6-METRE) CABLE, 20 AMP (1 45 WATT)
NNTN8190B BT ACCY KIT, SP, 9.5 CBL, NCHGR
PMKN4010 MAP PROGRAMMING CABLE
PMKN4016 MAP PROGRAMMING AND TEST CABLE
**Rev. 1 Addendum to EU Declaration of Conformity (DoC-15120100203-D)**

This declaration of conformity is an addendum to above referenced product DoC and is issued under the sole responsibility of the manufacturer.

The accessories described below are in conformity with the relevant Union harmonisation legislation. The listed accessories are certified and approved for use with the radios listed in the referenced DoC.

### CHARGER
- PMKN4018: MOBILE AND REPEATER REAR ACCESSORY CONNECTOR UNIVERSAL CABLE
- PMKN4033: MOBILE MIC EXTENSION CABLE, 10 FEET
- PMKN4034: MOBILE MIC EXTENSION CABLE, 20 FEET

### CABLE
- PMKN4143A: MOTOTRBO REMOTE 3 METER CABLE KIT
- PMKN4144A: MOTOTRBO REMOTE 5 METER CABLE KIT

### OTHERS
- 3002695B05: POWER CABLE, UK PLUG (STRAIGHT)
- GKN6266: RADIO POWER CABLE FOR GPN6145
- PMKN4070: IMPRES MOBILE MAP NON-PC ADAPTER
- PMLN5072: HARDWARE KIT FOR REAR ACCESSORY CONNECTOR
- PMLN6402: REMOTE MOUNT TRANSEIVER INTERFACE
- PMLN6403: REMOTE MOUNT CONTROL HEAD INTERFACE

### SOFTWARE
- The installed radio software is under the full control of the manufacturer with no access by the user and is in compliance with the relevant directives.

The above accessories are shown with their global part numbers. In practice the accessory will have a regional prefix. Prefixes are purely done for regional kitings - primarily the manual (languages) and packaging. Prefixes are MD for European countries, AA of United States and AZ for Asia/Pacific region.

Note: A copy of the above referenced signed and dated Declaration of Conformity can be obtained either via your local Motorola help desk, via your dealer from where you purchased this radio or alternatively you can send an email request to manufacturerdecleration.eu@motorolasolutions.com, or via http://www.motorolasolutions.com/Business/XU-EN/BMS+Resource+Library
Electromagnetic Energy (EME) Test Laboratory

Conformity of models listed with applicable RF energy exposure limits

This declaration confirms compliance of Motorola Solutions mobile radio(s) with certified accessories

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Type Designator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDM28JNC9RA2AN MBR304DE</td>
<td>DM4401e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, numeric display, BT/GNSS/Wi-Fi</td>
<td></td>
</tr>
<tr>
<td>MDM28JNC9VA2AN MBR304D</td>
<td>DM4400e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, numeric display</td>
<td></td>
</tr>
<tr>
<td>MDM28JNN6RA2AN MBR304NE</td>
<td>DM4601e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, alphanumeric display, BT/GNSS/Wi-Fi</td>
<td></td>
</tr>
<tr>
<td>MDM28JNN6VA2AN MBR304N</td>
<td>DM4600e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, alphanumeric display</td>
<td></td>
</tr>
</tbody>
</table>

with the ICNIRP\(^1\) limits for radio frequency (RF) energy exposure. The ICNIRP guidelines were developed by an independent scientific organization after thorough evaluations of relevant research studies, and have been endorsed by the World Health Organization (WHO). The ICNIRP guidelines are also referenced in the European Directive 2013/35/EU,\(^2\) forming the basis of the applicable radio-frequency exposure framework for workers.

For these radio models, RF exposure evaluations were carried out in accordance with harmonised\(^3\) standard EN 62311:2008,\(^4\) following best practices defined in IEEE Std C95.3,\(^5\) with the corresponding results scaled to the applicable highest certified power levels in all tested frequency bands.

RF exposure evaluations were performed at the Motorola Solutions Electromagnetic Energy (EME) laboratory, which has been certified to ISO/IEC Guide 17025 by an independent accrediting agency, the American Association for Laboratory Accreditation (A2LA), in accordance with the applicable ISO/IEC accreditation guidelines.

As certified in the Motorola Solutions EME lab, these radio models, at the highest applicable certified power levels, are compliant with the applicable exposure limits defined by ICNIRP.

Sincerely,

Tiong Nguk

DATE: 09-JUN-2017

---


\(^4\) EN 62311:2008 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz). Although the standard is defined for the general public, it provides guidance for occupational exposures in Annex B.

\(^5\) IEEE Std C95.3-2010 IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 100 kHz.