



## 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 Directives(s) of the Council of the European Community on the approximation of the laws of the Member States:

2014/53/EU Radio Equipment Directive  
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**Superseded Remarks:** This DoC supersedes DOC-15120100203-C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:

EN 60950-1:2006/A11:2009/A1:2010/A12:2011/AC:2011/A2:2013

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

**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**

89409N	HK200 GSM STYLE EARPIECE WIRELESS NON-SECURE
ASMHK200-CN2A	HK200 BLUETOOTH HEADSET WITH CHINA PLUG
ASMHK200-GB3A	NON-SECURE HK200 MOBILE BLUETOOTH HEADSET WITH EURO PLUG
ASMHK200-KR2A	HK200 BLUETOOTH HEADSET WITH KOREA PLUG
ASMHK200VP-GB2A	NON-SECURE HK200 MOBILE BLUETOOTH HEADSET WITH UK PLUG
HMN4098A	TELEPHONE STYLE HANDSET
NNTN8143C	REMOTE PTT BLUETOOTH POD (NON-SECURE)
NNTN8191B	BLUETOOTH POD, NO CHARGER
NNTN8294A	OPERATIONS CRITICAL 1-WIRE EARBUD 29CM CORD BLACK
NNTN8295A	OPERATIONS CRITICAL 1-WIRE EARBUD 116CM CORD BLACK
NNTN8296A	WIRELESS COVERT KIT
PMLN5718AS	OPTION BOARD KIT
PMLN6053A	OPERATIONS CRITICAL WIRELESS EARPIECE, 12
PMLN6404A	MOTOTRBO REMOTE MNT ADAPTOR KIT
PMLN6463A	BUSINESS WIRELESS ACCESSORY KIT
PMLN7052A	OPERATIONS CRITICAL WIRELESS 1-WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE
PMLN7181A	FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC
PMLN7203A	FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC, MULTIPACK
PMMN4095_	WIRELESS R2.17A LONG RANGE REMOTE SPEAKER
PMMN4097	WIRELESS R2.17 MOBILE MICROPHONE GATEWAY



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### 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

HKN4137	MOBILE PWR CABLE 10 FT, 14 AWG, 15A
HKN4191	POWER CABLE TO BATTERY, 10-FOOT (3-METRE) CABLE, 20 AMP (1 □ 45 WATT)
HKN4192	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



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### 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 TRANSCEIVER 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 kittings - 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 [manufacturerdeclaration.eu@motorolasolutions.com](mailto:manufacturerdeclaration.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

Model Number	Type Designator	Description
MDM28JNC9RA2AN	MBAR304DE	DM4401e, VHF 136-74 MHz, 1-25W, 12.5/20/25kHz, numeric display, BT/GNSS/Wi-Fi
MDM28JNC9VA2AN	MBAR304D	DM4400e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, numeric display
MDM28JNN9RA2AN	MBAR304NE	DM4601e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, alphanumeric display, BT/GNSS/Wi-Fi
MDM28JNN9VA2AN	MBAR304N	DM4600e, VHF 136-174 MHz, 1-25W, 12.5/20/25kHz, alphanumeric display

with the ICNIRP<sup>1</sup> 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,<sup>2</sup> 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<sup>3</sup> standard EN 62311:2008,<sup>4</sup> following best practices defined in IEEE Std C95.3,<sup>5</sup> 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  
Ing**

Digitally signed by Tiong  
Nguk Ing  
DN: cn=Tiong Nguk Ing,  
o=Motorola Solutions,  
ou=Regulatory  
Compliance Lab,  
email=n.liong@motorola  
solutions.com, c=MY  
Date: 2017.06.08 00:29:05  
+08'00'

Tiong Nguk In on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 08-JUN-2017

<sup>1</sup> ICNIRP (1998): International Commission on Non Ionizing Radiation Protection, "Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (Up to 300 GHz)" Health Physics, vol. 75, no. 4, pp. 494-522.

<sup>2</sup> Directive 2013/35/EU of the European Parliament and of the Council of 26 June 2013 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields) (20th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) and repealing Directive 2004/40/EC.

<sup>3</sup> European Commission communication in the framework of the implementation of Directive 1999/5/EC of the European Parliament and of the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity. Official Journal of the European Union 2016/C 249/01.

<sup>4</sup> 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.

<sup>5</sup> 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.