



EU Declaration of Conformity (DoC-16063000380-C)

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration is in conformity with the relevant Union harmonization legislation:

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)

Object of the Declaration: MOTOTRBO Subscriber Mobile Radio
DM1400, DM1600, DM2600
136-174MHz, TX:1-25W or 25-45W, 12.5/20/25kHz
DM1400, TX 1-25W, numeric Display, Type Designator: MTA304D
DM1600, TX 1-25W, alphanumeric Display, Type Designator: MTA304N
DM2600, TX 1-25W, alphanumeric Display, Type Designator: MTA304M
DM1400, TX 25-45W, numeric Display, Type Designator: MTA309D
DM1600, TX 25-45W, alphanumeric Display, Type Designator: MTA309N
DM2600, TX 25-45W, alphanumeric Display, Type Designator: MTA309M
National Licensed Frequencies Only

Superseded Remarks: This DoC supersedes DOC-16063000380-B

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

Conformity:

Radio Equipment, Article 3(2):

EN 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 219 V2.1.1

EMC, Article 3(1)b:

EN 301 489-1 V1.9.2
EN 301 489-5 V1.3.1

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-041044

Year of first application of CE mark: 2013

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

BERLIN, 31-MAY-2018

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

Fritz Bollmann
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-16063000380-C)

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

GMMN4065C	VISOR MOUNTED MICROPHONE
HSN8145B	7.5W EXTERNAL SPKR
PMLN6481A	TELEPHONE STYLE HANDSET
PMLN6544A	MOTOTRBO SERIES 02 OPT BRD UPGRADE KIT
PMMN4089A	MICROPHONE
PMMN4090A	MICROPHONE
PMMN4091A	HEAVY DUTY PALM MICROPHONE
RLN4836AR	EMERGENCY FOOT SWITCH
RLN4857B	PUSHBUTTON PTT
RLN4858A	GOOSENECK PTT
RSN4001A	EXT SPKR 13 W

OTHERS

HKN4137A/B	Mobile Pwr Cable 10 FT, 14 AWG, 15A
HKN4191B/C	Mobile Pwr Cable 10 FT, 12 AWG, 20A
HKN4192B/C	Mobile Pwr Cable 20 FT, 10 AWG, 20A
HKN9327BR/CR	Ignition Switch Cable
PMKN4157A	In-Line DC Power Sense Cable

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, 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
MDM01JQC9JA2AN (PMUD3236A)	MTA309D	DM1400 136-174M 45W ND
MDM01JQC9JC2AN (PMUD3236A)	MTA309D	DM1400 136-174M 45W ND ANALOG
MDM01JQH9JA2AN (PMUD3236A)	MTA309N	DM1600 136-174M 45W AD
MDM01JQH9JC2AN (PMUD3236A)	MTA309N	DM1600 136-174M 45W AD ANALOG
MDM02JQH9JA2AN (PMUD3244A)	MTA309M	DM2600 136-174M 45W AD


with the ICNIRP¹ 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 harmonised³ 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
 Ing

Digitally signed
 by Tiong Nguk
 Ing
 Date:
 2018.05.22
 16:08:37 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey
 Penang EME Laboratory Manager
 DATE : 22-MAY-2018

¹ 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.

² 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.

³ 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.

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.

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
MDM01JNC9JA2AN (PMUD3232A)	MTA304D	DM1400 136-174M 25W ND
MDM01JNC9JC2AN (PMUD3232A)	MTA304D	DM1400 136-174M 25W ND ANALOG
MDM01JNH9JA2AN (PMUD3232A)	MTA304N	DM1600 136-174M 25W AD
MDM01JNH9JC2AN (PMUD3232A)	MTA304N	DM1600 136-174M 25W AD ANALOG
MDM02JNH9JA2AN (PMUD3247A)	MTA304M	DM2600 136-174M 25W AD

with the ICNIRP¹ 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 harmonised³ 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 Ing**
Digitally signed by
Tiong Nguk Ing
Date:
2018.05.22
15:58:47
+08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey
Penang EME Laboratory Manager
DATE : 22-MAY-2018

¹ 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.

² 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.

³ 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.

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.