



**MOTOROLA SOLUTIONS**

## EU Declaration of Conformity (DoC-17071900871-B)

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

**Object of the Declaration:** MOTOTRBO Subscriber DP1400 portable radio series  
DP1400 136-174 MHz, TX:1-5W, 12.5/20/25kHz,  
with type designator, PTI302C

National Licensed Frequencies Only

**Superseded Remarks:** This DoC supersedes DOC-17071900871-A

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

### Conformity:

#### Radio Equipment, Article 3(2):

EN 300 086 V2.1.2  
EN 300 113-2 V2.2.1

#### 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 50360:2017  
EN 50566:2017

### Year of first application of CE mark: 2013

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

BERLIN, 01-JUN-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

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**Rev. 1 Addendum to EU Declaration of Conformity (DoC-17071900871-B)**

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.

**ANTENNA**

HAD9742A	VHF STUBBY ANTENNA (146-162MHZ) 9CM
HAD9743A	VHF STUBBY ANTENNA (162-174MHZ) 8CM
NAD6502AR	ANTENNA, STAMPED METAL,VHF HELIFLEX 146-174MHZ
PMAD4012A	VHF STUBBY ANTENNA (136-155MHZ) 9CM
PMAD4014A	VHF ANTENNA (136-155MHZ) 14CM
PMAD4042A	VHF HELIFLEX ANTENNA (136-150.8MHZ) 14CM

**AUDIO**

5080369E39	EXTRA LOUD EARPIECE - BEIGE
5080370E91	EXTRA LOUD EARPIECE - BLACK
BDN6720A	Flexible Ear Receiver
PMLN4605A	CLEAR COILED AUDIO KIT
PMLN4606A	SURV 2-W W/ CLR AUDIO KIT-2PIN
PMLN4620B	D-SHELL RECEIVE ONLY EARPIECE (ONE SIZE) FOR REMOTE SPEAKER MICROPHONE
PMLN6445A	2-WIRE SURVEILLANCE KIT (BEIGE)WITH CLEAR ACOUSTIC EARPIECE (PALM GARDEN)
PMLN6530A	2-WIRE SURVEILLANCE KIT (BLACK)WITH CLEAR ACOUSTIC EARPIECE (PALM GARDEN)
PMLN6531A	Ear receiver with in-line mic/PTT
PMLN6532A	SWIVEL EARPIECE WITH IN-LINE MIC AND PTT (OVER THE EAR SOLUTION)
PMLN6533A	EARSET WITH COMBINED MICROPHONE/PTT
PMLN6534A	Earbud with in-line mic/PTT
PMLN6535A	D-STYLE EARPIECE WITH MIC/PTT
PMLN6536A	2-WIRE SURVEILLANCE KIT WITH QUICK DISCONNECT ACOUSTIC TUBE, BLACK (OTTO)



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### AUDIO

PMLN6537A	Earset with boom mic and in-line PTT
PMLN6538A	Timor Lightweight Headset
PMLN6539A	Medium weight headset over-the-head
PMLN6540A	HEAVY-DUTY NOISE CANCELLING BOOM MIC HEADSET
PMLN6541A	Temple transducer headset
PMLN6542A	ONE ULTRA-LITE BREEZE BEHIND THE HEAD HEADSET WITH BOOM MIC AND IN-LINE PTT
PMMN4013A	REMOTE SPEAKER MICROPHONE WITH 3.5 MM AUDIO JACK
PMMN4029A	REMOTE SPEAKER MICROPHONE IP57
PMMN4092A	REMOTE SPEAKER MICROPHONE (MAG ONE)
RLN4760A	CLEAR COMFORTABLE EARPIECE SMALL RIGHT
RLN4761A	CLEAR COMFORTABLE EARPIECE MED RIGHT
RLN4762A	CLEAR COMFORTABLE EARPIECE LARGE RIGHT
RLN4763A	CLEAR COMFORTABLE EARPIECE SMALL LEFT
RLN4764A	CLEAR COMFORTABLE EARPIECE MED LEFT
RLN4765A	CLEAR COMFORTABLE EARPIECE LARGE LEFT
RLN4885B	RECEIVE-ONLY COVERED EARBUD WITH COILED CORD
RLN4941A	RECEIVER-ONLY EARPIECE WITH TRANSLUCENT TUBE AND RUBBER EARTIP FOR REMOTE SPEAKER MICROPHONE
RLN6241A	RUBBER EARTIP/ACOUSTIC TUBE BEIGE
RLN6242A	QUICK DISCONNECT ACOUSTIC TUBE
RLN6423A	Swivel Earpiece with in-line mic and PTT (over the ear sol)



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### AUDIO

WADN4190B RECEIVE-ONLY FLEXIBLE EARPIECE

### BATTERY

NNTN4497CR ASSEMBLY,BATTERY,LITHIUM ION,LI-ION BATTERY 2190 MAH  
 NNTN4851A BATT NIMH 1400MAH STD  
 NNTN4970A ELP - Lithium Ion Slim (10mm)  
 PMNN4098A BATT NIMH 1400MAH STD  
 PMNN4252AR BATT FM NIMH1200M1300T  
 PMNN4253AR ELP(CE) - Lithium Ion Slim (10mm)  
 PMNN4254AR BATT STD LION 2190M2300T  
 PMNN4450AR STD LIION 2800M 2900T

### CHARGER

5886564Z01 RF ADAPTOR  
 EPNN9286B SWITCH MODE POWER SUPPLY (EURO)  
 NNTN8352A MULTI-UNIT CHARGER 220V W/EURO PLUG  
 NNTN8355A CHR STD MUC INT ENG BASE ONLY  
 NNTN8460A CHARGING INSERT FOR UNIVERSAL MULTI-UNIT CHARGER (PMLN6588),  
 COMPATIBLE WITH CP200D, CP200, CP150, P  
 PMLN5192B DESKTOP RAPID SINGLE UNIT CHARGER, 230V EURO PLUG  
 PMLN6588A UNIVERSAL MULTI-UNIT CHARGER, INCLUDES 6-INSERTS COMPATIBLE  
 WITH CP200D, PR400, CP200.XLS, CP200, CP  
 PMNN7089A ELP/TIMOR TRAVEL CHARGER  
 WPLN4137BR CHARGER BASE  
 WPLN4162AR ELP MULTI-UNIT CHARGER 220V W/EURO PLUG  
 WPLN4171A ELP MULTI UNIT CHARGER BASE ONLY



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### CABLE

PMKN4128A

PROGRAMMING CABLE USB WITH TTR FUNCTION

### 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 occupational Exposure Level Values (ELVs) in Directive 2013/35/EU

This declaration confirms compliance of Motorola Solutions' portable device(s) model(s) with approved accessories


<u>Model Number</u>	<u>Type Designator</u>	<u>Description</u>
MDH01JDC9JE2AN (PMUD3349A)	PTI302C	DP1400 136-174M 5W OB-CAPABLE ND
MDH01JDC9JF2AN (PMUD3349A)	PTI302C	DP1400 136-174M 5W OB-CAPABLE ND ANALOG
MDH01JDC9JA2AN (PMUD3231A)	PTI302C	DP1400 136-174M 5W ND
MDH01JDC9JC2AN (PMUD3231A)	PTI302C	DP1400 136-174M 5W ND ANALOG

with the occupational 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 RF exposure framework for workers.

The applicable exposure limit is specified in terms of the Specific Absorption Rate (SAR), measured in units of watts per kilogram (W/kg). SAR tests of these Motorola Solutions devices indicate that they conform with the applicable SAR limits defined in harmonized<sup>3</sup> standard EN50360,<sup>4</sup> and EN50566,<sup>5</sup> using operating configuration(s) while transmitting at nominal power, with results scaled to the highest certified power level in all tested frequency bands.

SAR tests, performed at a laboratory certified to the ISO/IEC Guide 17025,<sup>6</sup> show that these Motorola Solutions' portable device model(s), in all tested operating modes (on the body, on the sides of the head, and in front of the face as applicable), at the highest certified power level(s), conform(s) with the ICNIRP limits for professional devices and occupational users,<sup>7</sup> and both the health and the sensory ELVs defined in Directive 2013/35/EU.<sup>8</sup>

Sincerely,

  
Tiong  
Nguk  
Ing

Digitally signed  
by Tiong Nguk  
Ing  
Date: 2018.05.30  
23:28:10 +0800

Tiong Nguk Ing on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 30-MAY-2018

<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>Directive 2014/53/EU of The European Parliament and of the Council of 16 April 2014 on the Harmonisation of the Laws of the Member States Relating to the Making Available on The Market of Radio Equipment and Repealing Directive 1999/5/EC.

<sup>4</sup>EN50360:2017 Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear.

<sup>5</sup>EN50566:2017 Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body.

<sup>6</sup>ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories.

<sup>7</sup>Implicit whole-body SAR compliance with the 0.4 W/kg limit is shown using the threshold (16.8 W) derived from Table B.1 in EN 62311:2008.

<sup>8</sup>The Specific Absorption (SA) sensory limits defined in Directive 2013/35/EU apply only to ultra-short-pulsed radio-frequency waveforms capable of inducing the microwave hearing effect, e.g., powerful RADAR emissions, but not the Motorola Solutions radio(s) referenced herein.

## Electromagnetic Energy (EME) Test Laboratory

### Conformity of models listed with occupational Exposure Level Values (ELVs) in Directive 2013/35/EU

This declaration confirms compliance of Motorola Solutions' portable device(s) model(s) with approved accessories

Model Number	Type Designator	Description
MDH01JDC9JA2AN (PMUD3231B)	PTI302C	DP1400 136-174M 5W ND
MDH01JDC9JC2AN (PMUD3231B)	PTI302C	DP1400 136-174M 5W ND ANALOG
MDH01JDC9JE2AN (PMUD3349B)	PTI302C	DP1400 136-174M 5W OB-CAPABLE ND
MDH01JDC9JF2AN (PMUD3349B)	PTI302C	DP1400 136-174M 5W OB-CAPABLE ND ANALOG

with the occupational 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 RF exposure framework for workers.

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Sincerely,

  
Tiong  
Nguk  
Ing

Digitally signed  
by Tiong Nguk  
Ing  
Date: 2018.06.21  
22:59:51 +0800

Tiong Nguk Ing on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 01-JUN-2018

<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.

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