

## EU Declaration of Conformity (DoC-15092900178-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  
2014/34/EU ATEX (Explosive Atmosphere Directive), including all amendments  
2011/65/EU on RoHS-2 for Restriction of the use of Hazardous Substances  
2012/19/EU WEEE Waste Electrical and Electronic Equipment  
1999/5/EC on Radio Equipment and Telecommunications Terminal Equipment (Non-RED Countries)

**Object of the Declaration:** Dimetra Portable MTP8500Ex, MTP8550Ex  
MTP8550Ex, 350-470MHz, 25/50kHz, 1-1.8W TX, Full Keypad, with Type Designator PT951NPEEx  
MTP8500Ex, 350-470MHz, 25/50kHz, 1-1.8W TX, Limited Keypad, with Type Designator PT951NMEEEx  
National Licensed Frequencies Only

**Superseded Remarks:** This DoC supersedes DOC-15092900178-B

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

### Conformity:

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

RED:

EN 300 328 v2.1.1,  
EN 300 440-2 V1.4.1,  
EN 302 561 v2.1.1

RTTE:

EN 300 328 V1.9.1,  
EN 300 440 - 1 V1.6.1, EN 300 440 - 2 V1.4.1,  
EN 300 394 - 1 V2.3.1,  
EN 302 561 - V1.3.2,  
EN 303 035 - 1 V1.2.1, EN 303 035 - 2 V1.2.2

#### EMC, Article 3(1)b:

EN 301 489 - 1 V1.9.2, EN 301 489 - 17 V2.2.1, EN 301 489-18 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

#### ATEX, Article 1(2):

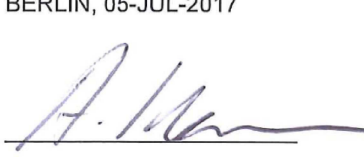
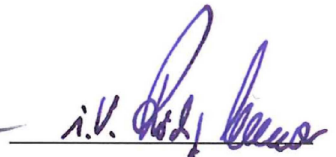
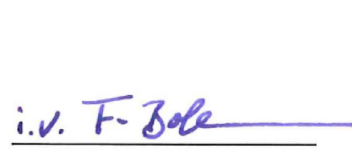
EN 60079-0:2012 +A11:2013, EN60079-11:2012

### Year of first application of CE mark: 2015

EC Type Examination Certificate: BVS 15 ATEX E 130 X  
ATEX Classification: I M2 Ex ib I Mb; II 2G Ex ib IIC T4 Gb, ib; II 2D Ex ib IIIC T90°C Db;  
Temperature class T4, Tamb -20°C to +55°C, IP66/67

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

BERLIN, 05-JUL-2017

  
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Managing Director Motorola Solutions  
Germany GmbH,  
Am Borsigturm 130, D-13507 Berlin, Germany  
i.v. Rüdiger Maurer  
Director of Product Safety and Regulatory  
Compliance,  
Motorola Solutions Germany GmbH  
i.v. Fritz Bollmann  
Product Safety and Regulatory Compliance,  
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**Rev. 1 Addendum to EU Declaration of Conformity (DoC-15092900178-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.

**ANTENNA**

PMAE4096A	350-470MHz
PMAF4019A	350-470MHz

**AUDIO**

GMMN4580A	Savox HC2 dual headset Atex
PMLN6087A	Heavy Duty Headset with over the head headband and boom mic; connects to Peltor PTT Adapter
PMLN6089A	Tactical heavy duty headset with helmet attachment with vol control connects to Peltor PTT Adapter
PMLN6090A	Tactical heavy duty headset with over the head headband with vol control connects to Peltor PTT Adapter
PMLN6092A	Heavy Duty Headset with helmet attachment and boom mic; connects to Peltor PTT Adapter
PMLN6333A	Twin cup Heavy duty headset with helmet attachment boom mic connects to Peltor PTT Adapter
PMLN6803A	Push To Talk adapter Nexus
PMLN7188B	ATEX 3.5mm RX only earpiece
PMLN7257A	SAVOX ATEX IECEX C-C440 LARGE PTT
PMLN7531A	Peltor ATEX Standard Overhead Headset
PMLN7535A	Peltor ATEX Tactical Overhead Band Headset
PMMN4067B	ATEX CSA Remote Speaker Microphone (RSM)
PMMN4093A	ATEX REMOTE SPEAKER MICROPHONE
PMMN4109A	Nextex OMNI RSM
RMN5123A	Savox HC1 Headset Atex

**BATTERY**

NNTN8570A	ATEX IMPRES LI ION BATTERY
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**BODYWORN**

PMLN5004B	Shoulder wearing device
PMLN5610A	2.5" Swivel belt loop



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### BODYWORN

PMLN5611A	3.0" Swivel belt loop
PMLN6086A	Belt clip 2.5
PMLN7195A	HARD LEATHER CASE W 2.5" BELT LOOP
PMLN7268A	HARD LEATHER CASE W 3" BELT LOOP

### 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 radio(s) model(s) with approved accessories

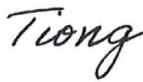
Model Number	Type Designator	Description
MDH16PCF6TZ5AN	PT951NMEEEx	NEXTEX MTP8500Ex, E2EE C3L, 350-470MHz, C3L, 25/50kHz, BT/GPS/GNSS, LKP, optional SIM/SD
MDH17PCH6TZ5AN	PT951NPEEEx	NEXTEX MTP8550Ex, E2EE C3L, 350-470MHz, C3L, 25/50kHz, BT/GPS/GNSS, FKP, optional SIM/SD

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.

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 Motorola Solutions radios were conducted in accordance with harmonised<sup>3</sup> standard EN 62311:2008,<sup>4</sup> using standard operating configuration for the device(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>5</sup> show that said Motorola Solutions' portable radio 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>6</sup> and both the health and the sensory ELVs defined in Directive 2013/35/EU.<sup>7</sup>

Sincerely,



Digitally signed by  
Tiong Nguk Ing  
DN: cn=Tiong Nguk  
Ing o=Motorola  
Solutions,  
ou=Regulatory  
Compliance Lab,  
email=t.ing@motorola.com  
c=MY  
Date: 2017.06.29  
16:38:55 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 29-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> ISO/IEC 17025:2005. General requirements for the competence of testing and calibration laboratories.

<sup>6</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>7</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.