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:

2014/34/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: Ditema 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 PT951NMEEx
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Superseded Remarks: This DoC supersedes DOC-15092900178-B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:
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits
EN 62311:2008

ATEX, Article 1(2):

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 ie 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

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

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-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.

<table>
<thead>
<tr>
<th>ANTENNA</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMAC4096A</td>
<td>350-470MHz</td>
</tr>
<tr>
<td>PMAF4019A</td>
<td>350-470MHz</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>BATTERY</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NNTN8570A</td>
<td>ATEX IMPRES LI ION BATTERY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BODYWORN</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMLN5004B</td>
<td>Shoulder wearing device</td>
</tr>
<tr>
<td>PMLN5610A</td>
<td>2.5&quot; Swivel belt loop</td>
</tr>
</tbody>
</table>
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.

**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 killings - 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](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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Type Designator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDH16PCE6T5AN</td>
<td>PT951NMEEEX</td>
<td>NEXTEX MTP8500Ex, E2EE C3L, 350-470MHz, C3L, 25/50kHz, BT/GPS/CTNS, LKP, optional SIM/SD</td>
</tr>
<tr>
<td>MDH17PC6H6T5AN</td>
<td>PT951NPEEX</td>
<td>NEXTEX MTP8550Ex, E2EE C3L, 350-470MHz, C3L, 25/50kHz, BT/GPS/GNSS, FKP, optional SIM/SD</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.

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\(^3\) standard EN 62311:2008,\(^4\) 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,\(^5\) 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,\(^6\) and both the health and the sensory ELVs defined in Directive 2013/35/EU.\(^7\)

Sincerely,

[Tiong Nguk]

Penang EME Laboratory Manager
DATE: 29-JUL-2017

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\(^4\) 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.


\(^6\) 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.

\(^7\) The Specific Absorption Rate (SAR) sensory limits defined in Directive 2013/35/EU apply only to ultra short pulsed radio frequency waveforms capable of inducing the microwave heating effect, e.g., powerful RADAR emissions, but not the Motorola Solutions radio(s) referenced herein.