EU Declaration of Conformity (DoC-15101900186-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:

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
1999/5/EC on Radio Equipment and Telecommunications Terminal Equipment (Non-RED Countries)

Object of the Declaration: Tetra series portable radio
MTP85xxFuG series portable radio 380-430MHz, TX:1.8W
MTP850FuG with type designator PT912BG
MTP830FuG with type designator PT912BFG
National Licenced Frequencies only

Superseded Remarks: This DoC supersedes DOC-15101900186-B

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

Conformity:

Radio Equipment, Article 3(2):
RED:
EN 302 561 v2.1.1
RTTE:
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 - 18 V1.3.1

Safety, Article 3(1)a:
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits
EN62311:2008

Year of first application of CE mark: 2009

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

BERLIN, 04-JUL-2017

Andreas Scheunemann
Managing Director Motorola Solutions Germany GmbH,
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Rüdiger Maurer
Director of Product Safety and Regulatory Compliance,
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Rev. 1 Addendum to EU Declaration of Conformity (DoC-15101900186-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.

AUDI0
CMLN5119A  Profio AC Set w GCAI connector
NNTN8459A  1 WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE, BLACK
PMLN5102A  ULTRA LITE HEADSET
PMLN5653A  IMPRES GCAI EAR MIC BONE CONDUCTIVE
PMLN5973A  Ear Rcvr w Inline Mic/PTT, Magone
PMLN5974A  Lt Wt Hs w Boom Mic & PTT
PMLN5975A  Swivel Earpiece w Mic/PTT
PMLN5976A  Earset w Boom Mic/PTT
PMLN5979A  Breeze HS w Boom Mic & PTT
PMLN6069A  Earbud w Inline Mic/PTT
PMLN6123A  IMPRES 3 WIRE W TRANS TUBE-BLK
PMLN6124A  IMPRES 3 WIRE W TRANS TUBE-BGE
PMLN6125A  1 WIRE SURVEILLANCE KIT-BLKL
PMLN6126A  1 WIRE SURVEILLANCE KIT - BEIGE
PMLN6129A  IMPRES 2 WIRE W/TRANS TUBE-BLK
PMLN6130A  IMPRES 2 WIRF W/ TRANS TUBE - BEIGE
PMLN6406A  HEAVY DUTY HEADSET (REPLACE PMLN5275C
PMLN6624A  TEMPLE TRANSDUCER HEADSET
PMLN6634A  LIGHTWEIGHT HEADSET
PMLN6766A  Tactical boomless temple transducer
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AUDIO
PMLN6767A   TACTICAL REMOTE BODY PTT (FOR USE WITH INTERFACE MODULE PMLN6827)
PMLN8827A   PTT INTERFACE MODULE
PMLN8829A   TACTICAL EAR MICROPHONE
PMLN8830A   TACTICAL REMOTE PTT RING SWITCH
PMLN7164A   Short Rx only earpiece
PMMN4025A   IMPRES REMOTE SPEAKER MIC
PMMN4040A   SUBMERSIBLE REMOTE SPEAKER MIC
PMMN4046A   IMPRES LARGE RSM W/VOLUME, EMERGENCY, PROGRAMMABLE BUTTON, IP57
PMMN4050A   IMPRES LARGE RSM WITH EARJACK, NOISE CANCELING
PMMN4062A   Impress RSM with emergency buton 3.5mm jack and noise canc. IP54
PMMN4085A   RSM with emergency button, vol control and audio jack
RLN4885B    RECEIVE-ONLY COVERED EARBUD WITH COILED CORD
RLN4941A    RECEIVER-ONLY EARPICE WITH TRANSLUCENT TUBE AND RUBBER EARTIP FOR REMOTE SPEAKER MICROPHONE
RMN5120A    Savox C-C400 large PTT non-ATEX
RMN5121A    Savox C-C400 emergency button
RMN5123A    Savox ATEX HC-1 headset
WADN4190B   RECEIVE-ONLY FLEXIBLE EARPICE

BATTERY
PMNN4351B   Lithium Ion battery 1840mAh

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 kitings - 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 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>PMUE3421C</td>
<td>PT012BC</td>
<td>MTP850 FuG Barney Rhino 380-430MHz Clear w/o UCM with added Repeater feature</td>
</tr>
<tr>
<td>PMUE3513C</td>
<td>PT912BG</td>
<td>MTP850 S Barney Rhino 380-430MHz With MACE UCM 256</td>
</tr>
<tr>
<td>PMUE3709A</td>
<td>PT912BF</td>
<td>MTP830 FuG Barney Rhino 380-430MHz LKP TEA2 ROM</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 standard EN 62311:2008,\(^3\) 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,\(^4\) show that 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,\(^5\) and both the health and the sensory ELVs defined in Directive 2013/35/EU.\(^6\)

Sincerely,

Tiong Nguk

Tiong Nguk in on behalf of Pei Loo Tey
Penang EME Laboratory Manager
DATE : 13-JUN-2017


\(^4\) 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 (SA) sensory limits defined in Directive 2013/35/EU apply only to ultra-short-pulse radio-frequency waveforms capable of inducing the microwave hearing effect, e.g., powerful RADAR emissions, but not the Motorola Solutions radio(s) referenced herein.