

## 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:

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  
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**Superseded Remarks:** This DoC supersedes DOC-15101900186-B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

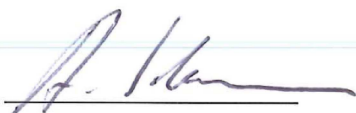
#### Safety, Article 3(1)a:

EN 60950-1:2006/A11:2009/A1:2010/A12:2011/AC:2011/A2:2013  
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits  
EN62311:2008

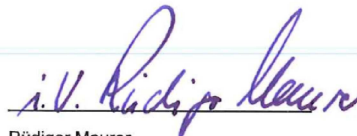
### Year of first application of CE mark: 2009

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

BERLIN, 04-JUL-2017



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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.

**AUDIO**

GMLN5119A	Profilo 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-BLK
PMLN6126A	1 WIRE SURVEILLANCE KIT - BEIGE
PMLN6129A	IMPRES 2 WIRE W/TRANS TUBE-BLK
PMLN6130A	IMPRES 2 WIRE 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)
PMLN6827A	PTT INTERFACE MODULE
PMLN6829A	TACTICAL EAR MICROPHONE
PMLN6830A	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 button 3.5mm jack and noise cancel. IP54
PMMN4085A	RSM with emergency button, volume control and audio jack
RLN4885B	RECEIVE-ONLY COVERED EARBUD WITH COILED CORD
RLN4941A	RECEIVER-ONLY EARPIECE 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 EARPIECE

### BATTERY

PMNN4351B	Lithium Ion battery 1840mAh
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### 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
PMUE3421C	PT912BG	MTP850 FuG Barney Rhino 380-430MHz Clear w/o UCM with added Repeater feature
PMUE3513C	PT912BG	MTP850 S Barney Rhino 380-430MHz With MACE UCM 256
PMUE3799A	PT912BFG	MTP830 FuG Barney Rhino 380-430MHz LKP TEA2 ROM

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,



Tiong  
Nguk  
Ing

Digitally signed by  
Tiong Nguk Ing  
DN: cn=Tiong Nguk Ing,  
o=Motorola Solutions,  
ou=Regulatory  
Compliance Lab,  
email=ti.ing@motorola  
solutions.com, c=MY  
Date: 2017.06.29  
15:02:18 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 13-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.