



EU Declaration of Conformity (DoC-16090800487-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

Object of the Declaration: XT400 Business Radio Series
XT420 PMR446 Business Radio, Non-Display
XT460 PMR446 Business Radio, Display

Superseded Remarks: This DoC supersedes DOC-16090800487-B

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

Conformity:

Radio Equipment, Article 3(2):

EN 300 296 V2.1.1

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) General Population / Uncontrolled Exposure

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, 26-OCT-2018

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Rev. 1 Addendum to EU Declaration of Conformity (DoC-16090800487-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.

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
AUDIO	
HKLN4599A	Earpiece W/PTT Slim Plug PVC Free
HKLN4601A	Dual Pin Surveillance W/PTT Slim Plug PVC Free
HKLN4604A	Swivel Earpiece W/PTT/Slim Plug PVC Free
HKLN4605A	Earbud W/PTT Mic Slim Plug PVC Free
HKLN4606A	Remote Speaker Mic W/PTT Slim Plug PVC Free

BATTERY	
PMNN4434AR	3.7V LI-Ion Battery pack

BODYWORN	
PMLN6455A	RMX Series Holster

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, or via <http://www.motorolasolutions.com/Business/XU-EN/BMS+Resource+Library>

Electromagnetic Energy (EME) Test Laboratory

Conformity of models listed with the Basic Restrictions in Council Recommendation 1999/519/EC and the 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
PMUE4345C(RMP0166BDLAA)	NA	XT460 PMR446 16Ch, Display, Fixed Antenna, 0.5Watts, Black (With Charger)
PMUE4345C(RMP0166BDNAA)	NA	XT460 PMR446 16Ch, Display, Fixed Antenna, 0.5Watts, Black
PMUE4346C(RMP0166BHLAA)	NA	XT420 PMR446 16Ch, Non-Display, Fixed Antenna, 0.5Watts, Black (With Charger)
PMUE4346C(RMP0166BHNA)	NA	XT420 PMR446 16Ch, Non-Display, Fixed Antenna, 0.5Watts, Black

with the ICNIRP¹ 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 Council Recommendation 1999/519/EC², establishing limitation of exposure of the general public to electromagnetic fields, and the European Directive 2013/35/EU³, 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 harmonized⁴ standard EN50360⁵ and EN50566⁶, 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 17025,⁷ 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 Basic Restrictions established in Council Recommendation 1999/519/EC, and both the health and the sensory ELVs defined in Directive 2013/35/EU⁸.

Sincerely,

Tiong
 Tiong
 Nguk
 Ing

Digitally signed
 by Tiong Nguk
 Ing
 Date: 2018.09.11
 22:57:44 +0800

Tiong Nguk Ing on behalf of Pei Loo Tey
 Penang EME Laboratory Manager
 DATE : 11-SEP-2018

¹ICNIRP (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.

²Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).

³Directive 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.

⁴Directive 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.

⁵EN50360:2017 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.

⁶EN50566:2017 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.

⁷ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories.

⁸The 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.