

## EU Declaration of Conformity (DoC-17111701017-A)

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  
2013/35/EU on Occupational Exposure to Electromagnetic Fields  
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:** Motorola VX2100 / VX2200 radio series

VX-2100-D0-25, 134-174MHz, 25W - no display  
VX-2200-D0-25, 134-174MHz, 25W - LCD

National Licenced Frequencies Only

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

### Conformity:

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

RED  
EN 300 086-2 V2.1.2

RTTE:  
EN 300 086-1 V1.4.1, EN 300 086-2 V1.3.1

#### 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 +A2:2013  
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits  
EN62311:2008

The product is not immunity related to Directive 72/245/EEC  
as last amended by Directive 2004/104/EC.

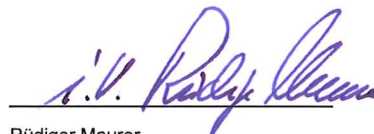
### Year of first application of CE mark: 2017

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

BERLIN, 20-NOV-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

## Rev. 1 Addendum to EU Declaration of Conformity (DoC-17111701017-A)

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

12A8J	Desktop Microphone
MH-67A8J	Standard Microphone
MH-75A8J	DTMF Keypad Microphone (16 keys) - identical to Vertex SKU#: AAG22X101: MSI SKU#: AAG22X501
MLS-100	External Speaker, 12 W
MLS-200	Waterproof external speaker, 12 W

### CABLE

CT-171	Interface Cable for FIF-12
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### OTHERS

LF-1	Plug-In DC Line Filter
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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 applicable RF energy exposure limits

This declaration confirms compliance of Motorola Solutions mobile radio(s) with certified accessories

<u>Model Number</u>	<u>Type Designator</u>	<u>Description</u>
AC061N533 (VX-2100-D0-25)	VX-2100-D0-25	134-174MHz 25W
AC061N534 (VX-2200-D0-25)	VX-2200-D0-25	134-174 MHz 25W

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.

For these radio models, RF exposure evaluations were carried out in accordance with harmonised<sup>3</sup> standard EN 62311:2008,<sup>4</sup> following best practices defined in IEEE Std C95.3,<sup>5</sup> with the corresponding results scaled to the applicable highest certified power levels in all tested frequency bands.

RF exposure evaluations were performed at the Motorola Solutions Electromagnetic Energy (EME) laboratory, which has been certified to ISO/IEC Guide 17025 by an independent accrediting agency, the American Association for Laboratory Accreditation (A2LA), in accordance with the applicable ISO/IEC accreditation guidelines.

As certified in the Motorola Solutions EME lab, these radio models, at the highest applicable certified power levels, are compliant with the applicable exposure limits defined by ICNIRP.

Sincerely,



Tiong  
Nguk Ing

Digitally signed  
by Tiong Nguk  
Ing  
Date: 2017.11.17  
00:15:50 +08'00'

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Tiong Nguk Ing on behalf of Pei Loo Tey  
Penang EME Laboratory Manager  
DATE : 17-NOV-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> IEEE Std C95.3-2010 IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 100 kHz.