



MOTOROLA SOLUTIONS

EU Declaration of Conformity (DoC-16041800285-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: MOTOTRBO Subscriber DP2400e portable Radio series
DP2400e, no keypad with type designator, PANR402C
300-360MHz, TX: 1-4W, 12.5 / 25 kHz
National Licensed Frequencies Only

Superseded Remarks: This DoC supersedes DOC-16041800285-B

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

Conformity:

Radio Equipment, Article 3(2):

RED:

EN 300 086 V2.1.2,
EN 300 113-2 v2.2.1,
EN 300 219-2 v2.1.1

RTTE:

EN 300 086 - 1 V1.4.1, EN 300 086 - 2 V1.3.1
EN 300 113 - 1 V1.7.1, EN 300 113 - 2 V1.5.1
EN 300 219 - 1 V1.2.1, EN 300 219 - 2 V1.1.1

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) Occupational / Controlled Exposure Limits
EN 62311:2008

Year of first application of CE mark: 2016

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

BERLIN, 20-JUN-2017

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Rev. 1 Addendum to EU Declaration of Conformity (DoC-16041800285-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

PMLN4620B	D-SHELL RECEIVE ONLY EARPIECE (ONE SIZE) FOR REMOTE SPEAKER MICROPHONE
PMLN5726A	2-wire surveillance kit, beige
PMLN5727A	Earpiece Inline Mic/PTT, Magone
PMLN5731A	Heavy Duty Headset
PMLN5732A	Earset with boom mic, Magone
PMLN5733A	Earbud with inline Mic/PTT, Magone
PMLN6754A	3-WIRE SURVEILLANCE KIT W/QD ADAPTER AND CLEAR ACOUSTIC TUBE, BLACK
PMLN6755A	3-WIRE SURVEILLANCE KIT W/QD ADAPTER AND CLEAR ACOUSTIC TUBE, BEIGE
PMLN6757A	ADJUST D-STYLE W/ IN-LINE PTT/MIC
PMLN6759A	IMPRESS TEMPLE TRANSDUCER
PMLN6760A	BEHIND THE HEAD HEAVY DUTY HEADSET
PMLN6761A	BREEZE HEADSET MAGEONE
PMLN6763A	NEXT GEN BTH HEAVY DUTY HEADSET SLIM TIA4950
PMLN7269A	NEW 2 WIRE SURVEILLANCE KIT, BLACK
PMLN7270A	NEW 2-WIRE SURVEILLANCE KIT, BEIGE
PMMN4071A	IMPRES REMOTE SPEAKER MICROPHONE LARGE, NOISE CANCELLING WITH 3.5MM JACK
PMMN4073A	IMPRES REMOTE SPEAKER MICROPHONE SMALL, WITH 3.5MM JACK
PMMN4075A	REMOTE SPEAKER MICROPHONE SMALL, NO EMERGENCY, IP57
PMMN4076A	REMOTE SPEAKER MICROPHONE SMALL WITH 3.5MM JACK
RLN4885B	RECEIVE-ONLY COVERED EARBUD WITH COILED CORD



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AUDIO

RLN4941A	RECEIVER-ONLY EARPIECE WITH TRANSLUCENT TUBE AND RUBBER EARTIP FOR REMOTE SPEAKER MICROPHONE
WADN4190B	RECEIVE-ONLY FLEXIBLE EARPIECE

BATTERY

PMNN4406BR	BATTERY STD IP67 LI-ION 1500M 1600T
PMNN4407BR	IMPRES LI-ION, 1650MAH SLIM BATTERY 1600M1650T
PMNN4409BR	IMPRES HI-CAP LI-ION NON-FM, 2150 MAH BATTERY 2150M2250T
PMNN4415A	BATT STD IP56 NIMH 1300M 1400T (Core NiMH 1300 mAh)
PMNN4416BR	BATT STD IP56 LIION1500M1600T
PMNN4417BR	BATT IMP IP56 LIION1500M1600T
PMNN4418BR	BATT IMP IP56 LIION 2150M 2250T
PMNN4435AR	LI-MN 1400 MAH LOW TEMP -30C BATTERY SUBMERSIBLE (IP57)
PMNN4488A	BELIZE/ANDORRA UHC + VIBRATOR 2950M3000T
PMNN4490A	IMPRES TIA4950 Hi-Cap Battery (2900 mAh)
PMNN4491A	BATTERY IMPRES LI-ION IP68 2200T
PMNN4493A	BELIZE NON-TIA HIGH CAP LV LI-ION BATTERY 2950M3000T

CABLE

PMKN4115	Programming Cable USB
PMKN4117	Programming Cable Slim

OTHERS

NNTN7392A	IMPRES Battery Reader
NNTN7677A	IMPRES Battery Fleet Management Multi-Unit Charger Interface Unit
NNTN8045A	IMPRES Battery Fleet Management Single-Unit Charger Interface Unit

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 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
MDH02KDC9VA1AN	PANR402C	DP2400e, 300-360MHz, 4W, NKP

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 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 harmonised³ 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
Ing**

Digitally signed by
Tiong Nguk Ing
DN: cn=Tiong Nguk Ing,
o=Motorola Solutions,
ou=Regulatory
Compliance Lab,
email=nl.tiong@motor
olasolutions.com, c=MY
Date: 2017.06.09
22:49:58 +0800

Tiong Nguk Ing on behalf of Pei Loo Tey
Penang EME Laboratory Manager
DATE : 09-JUN-2017

¹ 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.

² 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.

³ 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.

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.

⁵ ISO/IEC 17025:2005. General requirements for the competence of testing and calibration laboratories.

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-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.