

## EU Declaration of Conformity (DoC-15120300208-G)

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

**Object of the Declaration:** MOTOTRBO Subscriber DP4xxxe portable radio series  
136-174MHz, TX: 0.5-5W, 12.5/20/25kHz; BT, Wi-Fi™ capable  
DP4400e plain, Type Designator: PBER302C  
DP4401e plain, BT/GNSS/Wi-Fi™; Type Designator: PBER302CE  
DP4600e limited keypad, display; Type Designator: PBER302F  
DP4601e limited keypad, display; BT/GNSS/Wi-Fi™; Type Designator: PBER302FE  
DP4800e full keypad, display; Type Designator: PBER302H  
DP4801e full keypad, display; BT/GNSS/Wi-Fi™; Type Designator: PBER302HE  
National Licenced Frequencies Only

**Superseded Remarks:** This DoC supersedes DOC-15120300208-F

**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 V2.2.1  
EN 300 219 V2.1.1  
EN 300 328 V2.1.1

#### EMC, Article 3(1)b:

EN 301 489 - 1 V1.9.2  
EN 301 489 - 5 V1.3.1  
EN 301 489 - 17 V2.2.1

#### 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 50360:2017  
EN 50566:2017

### Year of first application of CE mark: 2015

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

BERLIN, 31-MAY-2018



Andreas Scheunemann  
Managing Director Motorola Solutions Germany GmbH,  
Am Borsigturm 130, D-13507 Berlin, Germany



Fritz Bollmann  
Product Safety and Regulatory Compliance,  
Motorola Solutions Germany GmbH

**Rev. 1 Addendum to EU Declaration of Conformity (DoC-15120300208-G)**

This declaration of conformity is an addendum to above referenced product DoC and is issued under the sole responsibility of the manufacturer.

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**ANTENNA**

PMAD4116A	VHF HELICAL ANTENNA (144-165 MHZ)
PMAD4117A	VHF HELICAL ANTENNA (136-155 MHZ)
PMAD4118A	VHF HELICAL ANTENNA (152-174 MHZ)
PMAD4119A	VHF STUBBY ANTENNA (136-148 MHZ)
PMAD4120A	VHF STUBBY ANTENNA (146-160 MHZ)
PMAD4121B	VHF STUBBY ANTENNA (160-174 MHZ)

**AUDIO**

89409N	HK200 GSM STYLE EARPIECE WIRELESS NON-SECURE
BDN6664A	RECEIVE ONLY EARPIECE BGE 1-WIRE
BDN6665A	REC ONLY EARPC, EXT LOUD, BGE
BDN6666A	EARPIECE W/VOL CNTRL
BDN6719A	EARPIECE W/3.5MM THREADED PLUG
BDN6726A	RECEIVE ONLY EARPC BLK, 1-WIRE
BDN6727A	REC ONLY EARPC, EXT LOUD, BLK
BDN6728A	REC ONLY EARPC W/VOL CONTL, BLK
BDN6781A	EARBUD, SINGLE SPEAKER
GMTN6356A	WIRELESS ACCESSORY KIT WITH EARPIECE 12-INCH CABLE, PUSH-TO-TALK MODULE, WITH CHARGER
H790	MOBILE BLUETOOTH HEADSET (NON-SECURE)
NNTN8125C	WIRELESS ACCY KIT, STD PAIR, 12 CABLE
NNTN8126C	WIRELESS ACCY KIT, STD PAIR, 9 CABLE
NNTN8127C	WIRELESS ACCY KIT, STD PAIR, POD - NO EARPIECE
NNTN8143C	REMOTE PTT BLUETOOTH POD (NON-SECURE)
NNTN8189B	BT ACCY KIT, SP, 12 CBL, NCHGR
NNTN8191B	BLUETOOTH POD, NO CHARGER
NNTN8294A	OPERATIONS CRITICAL 1-WIRE EARBUD 29CM CORD BLACK
NNTN8295A	OPERATIONS CRITICAL 1-WIRE EARBUD 116CM CORD BLACK



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### AUDIO

NNTN8296A	WIRELESS COVERT KIT
NNTN8382B	IMPRES INC RSM, IP57
NNTN8383B	IMPRES INC RSM, AUDIO JACK
NNTN8385A	WIRELESS NECKLOOP Y-ADAPTER AND RETENTION HOOK FOR COMPLETELY DISCREET KIT
NNTN8459A	1 WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE, BLACK
NTN2572A	EARPIECE WITH 12 CABLE (FOR USE WITH BLUETOOTH POD)
NTN2575A	EARPIECE WITH 9 CABLE (FOR USE WITH BLUETOOTH POD)
NTN8127AN	BLUETOOTH WIRELESS POD ONLY (US CHARGER)
PMLN4620B	D-SHELL RECEIVE ONLY EARPIECE (ONE SIZE) FOR REMOTE SPEAKER MICROPHONE
PMLN5096B	D-STYLE EARSET
PMLN5097A	IMPRES 3 WIRE SURVEILLANCE-BLACK
PMLN5101A	IMPRES TEMPLE TRANSDUCER
PMLN5102A	ULTRA LITE HEADSET
PMLN5106A	IMPRES 3 WIRE SURVEILLANCE-BEIGE
PMLN5111A	IMPRES 3 WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE- BLACK . LONG CORD. ONE PROGRAMMABLE BUTTON.
PMLN5112A	IMPRES 3 WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE- BLACK . LONG CORD. ONE PROGRAMMABLE BUTTON.
PMLN5275C	HEAVY DUTY HEADSET
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
PMLN6088A	MT SERIES OVER-THE HEAD HEADSET WITH NEXUS CONNECTOR
PMLN6095A	PTT NEXUS ADAPTER FOR MT SERIES HEADSETS



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### AUDIO

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 -BGE
PMLN6127A	IMPRES 2 WIRE SURVEILLANCE -BLK
PMLN6128A	IMPRES 2 WIRE SURVEILLANCE-BGE
PMLN6129A	IMPRES 2 WIRE W/TRANS TUBE-BLK
PMLN6130A	IMPRES 2 WIRE W/TRANS TUBE-BGE
PMLN6463A	BUSINESS WIRELESS ACCESSORY KIT
PMLN6765A	TACTICAL GCAI PTT/VOX INTERFACE MODULE
PMLN6767A	TACTICAL REMOTE BODY PTT (FOR USE WITH INTERFACE MODULE PMLN6827)
PMLN6827A	PTT INTERFACE MODULE
PMLN6830A	TACTICAL REMOTE PTT RING SWITCH
PMLN6833A	TACTICAL HEAVY-DUTY TEMPLE TRANSDUCER WITH NOISE CANCELLING BOOM MICROPHONE (REQUIRES INTERFACE MODULE PMLN6827)
PMLN6852A	NEXT GEN BTH HEAVY DUTY HEADSET GCAI
PMLN6853A	NEXT GEN BTH HEAVY DUTY HEADSET GCAI TIA4950
PMLN7052A	OPERATIONS CRITICAL WIRELESS 1-WIRE SURVEILLANCE KIT WITH TRANSLUCENT TUBE
PMLN7181A	FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC
PMLN7203A	FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC, MULTIPACK
PMLN7396A	RX-ONLY ADJ D-STYLE W/STD 3.5MM JACK
PMMN4024A	REMOTE SPEAKER MICROPHONE
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





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### AUDIO

PMMN4083A	IMPRES LARGE RSM APX IP68 DELTA T (GCAI)
PMMN4095A	WIRELESS RSM (MCW)
RLN4885B	RECEIVE-ONLY COVERED EARBUD WITH COILED CORD
RLN4922A	COMPLETELY DISCREET EARPIECE KIT
RLN4941A	RECEIVER-ONLY EARPIECE WITH TRANSLUCENT TUBE AND RUBBER EARTIP FOR REMOTE SPEAKER MICROPHONE
RLN5313A	RECEIVE NLY SURV KIT (BLACK) /NOISE
RLN5314A	RECEIVE ONLY SURV KIT (BEIGE)/NOISE
RLN5878A	CORE 1 WIRE SURVEILLANCE - BLACK
RLN5879A	1 WIRE SURVEILLANCE KIT RECEIVE-ONLY EARPIECE.BEIGE.
RLN5880A	IMPRES 2 WIRE SURVEILLANCE -BLACK
RLN5881A	IMPRES 2 WIRE SURVEILLANCE - BEIGE
RLN5882A	IMPRESS 2 WIRE, BLACK, LONG CORD
RLN5883A	IMPRESS 2 WIRE, BEIGE, LONG CORD
RLN5886A	LOW NOISE KIT
RLN5887A	HIGH NOISE KIT
RLN6074A	RSM REPLACEMENT COIL CORD KIT FOR PMMN4024 & PMMN4040A
RLN6075A	RSM REPLACEMENT COIL CORD KIT FOR PMMN4025
RLN6279A	STANDARD EARPIECE-BLACK
RLN6280A	STANDARD EARPIECE-BEIGE
RLN6284A	EARPIECE W/ ACOUSTIC TUBE ASSM-BEIGE
RLN6285A	EARPIECE W/ ACOUSTIC TUBE ASSM-BLACK
RLN6288A	EARPIECE W/HIGH NOISE KIT ASSM-BEIGE
RLN6289A	EARPIECE W/HIGH NOISE KIT ASSM-BLACK
RLN6477A	MT SERIES NECKBAND HEADSET WITH NEXUS CONNECTOR
RLN6490A	XBT HEADSET BTN, HEAVY DUTY HEADSET, BT



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### AUDIO

RLN6491A	XBT HEADSET HB, HEAVY DUTY HEADSET, BT
RLN6500A	MOTOTRBO BLUETOOTH ACCESSORY KIT W/NA POWER SUPPLY
RLN6502A	MOTOTRBO BLUETOOTH ACCESSORY KIT ARGENTINA
RLN6503A	MOTOTRBO BLUETOOTH ACCESSORY KIT EURO PLUG
RLN6504A	MOTOTRBO BLUETOOTH ACCESSORY KIT BRAZIL
RLN6550A	SWIVEL EARPIECE WITH INLINE MICROPHONE FOR BLUETOOTH ACCY KIT POD (PACK OF 3)
RMN4051B	MT SERIES HARD HAT ATTACHED HEADSET WITH NEXUS CONNECTOR
RMN4052A	TACTICALPRO SERIES OVER-THE-HEAD HEADSET WITH NEXUS CONNECTOR
RMN4053B	TACTICALPRO SERIES HARD HAT HEADSET WITH NEXUS CONNECTOR
RMN4055B	HT SERIES LISTEN ONLY OVER-THE-HEAD HEADSET WITH 3.5MM NON THREADED CONNECTOR
RMN4056B	HT SERIES LISTEN ONLY OVER-THE-HEAD HEADSET WITH 3.5MM THREADED CONNECTOR
RMN4057B	HT SERIES LISTEN ONLY HARD HAT HEADSET WITH 3.5MM THREADED CONNECTOR
RMN5058A	CORE LIGHTWEIGHT HEADSET W/PTT & VOX
RMN5131A	METAL BOOM WITH MICROPHONE
RMN5132A	HT SERIES LISTEN ONLY NECKBAND HEADSET WITH 3.5MM NON THREADED CONNECTOR
RMN5133A	HT SERIES LISTEN ONLY HARD HAT HEADSET WITH 3.5MM NON THREADED CONNECTOR
RMN5135A	TACTICALPRO SERIES NECKBAND HEADSET WITH NEXUS CONNECTOR
RMN5137A	MT SERIES OVER-THE HEAD HEADSET, DIRECT RADIO CONNECT
RMN5138A	MT SERIES NECKBAND HEADSET, DIRECT RADIO CONNECT
RMN5139A	MT SERIES HARD HAT ATTACHED HEADSET, DIRECT RADIO CONNECT
WADN4190B	RECEIVE-ONLY FLEXIBLE EARPIECE

### BATTERY

NNTN8129A	IMPRES HI-CAP LI-ION FM BATTERY 2300M2350T
NNTN8560A	IMPRES HI-CAP LI-ION 2500 MAH BATTERY SUBMERSIBLE (IP57), INTRINSICALLY SAFE (TIA4950) 2300M2500T
PMNN4406BR	BATTERY STD IP67 LI-ION 1500M 1600T
PMNN4407BR	IMPRES LI-ION, 1650MAH SLIM BATTERY 1600M1650T



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### BATTERY

PMNN4409BR	IMPRES HI-CAP LI-ION NON-FM, 2150 MAH BATTERY 2150M2250T
PMNN4412A	BATT STD IP67 NIMH1300M1400T
PMNN4435AR	LI-MN 1400 MAH LOW TEMP -30C BATTERY SUBMERSIBLE (IP57)
PMNN4448AR	BATT IMP STD IP67 LIION 2700M2800T
PMNN4463A	BATT LIION IP57 2000M
PMNN4488A	BELIZE/ANDORRA UHC + VIBRATOR 2950M3000T
PMNN4489A	BELIZE TIA4950 IMPRES HIGH CAP LI ION BATTERY 2850M2900T
PMNN4491A	BATTERY IMPRES LI-ION IP68 2200T
PMNN4493A	BELIZE NON-TIA HIGH CAP LV LI- ION BATTERY 2950M3000T

### CABLE

PMKN4012B	DMR PORTABLE PROGRAMMING CABLE
PMKN4013C	PROGRAMMING, TEST AND ALIGNMENT CABLE (M3 7-MAY-09)
PMKN4040A	DMR PORTABLE TELEMETRY CABLE
PMKN4126A	TEST ALIGNMENT, TTR AND PROGRAMMING CABLE

### OTHERS

3087791G04	EURO LINE CORD FOR SMART MUC
3087791G07	UK LINE CORD FOR SMART MUC

### 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 device(s) model(s) with approved accessories

Model Number	Type Designator	Description
MDH56JDC9RA1AN (PMUD2906C)	PBER302CE	DP4401e, VHF 136-174 MHz, 5W, 12.5/20/25kHz plain, BT/GNSS/Wi-Fi
MDH56JDC9VA1AN (PMUD2905C)	PBER302C	DP4400e, VHF 136-174 MHz, 5W, 12.5/20/25kHz plain
MDH56JDN9RA1AN (PMUD2904C)	PBER302HE	DP4801e, VHF 136-174 MHz, 5W, 12.5/20/25kHz FKP, display, BT/GNSS/Wi-Fi
MDH56JDN9VA1AN (PMUD2917C)	PBER302H	DP4800e, VHF 136-174 MHz, 5W, 12.5/20/25kHz FKP, display
MDH56JDQ9RA1AN (PMUD2918C)	PBER302FE	DP4601e, VHF 136-174 MHz, 5W, 12.5/20/25kHz LKP, display, BT/GNSS/Wi-Fi
MDH56JDQ9VA1AN (PMUD2903C)	PBER302F	DP4600e, VHF 136-174 MHz, 5W, 12.5/20/25kHz LKP, display

with the occupational 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 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 harmonized<sup>3</sup> standard EN50360,<sup>4</sup> and EN50566,<sup>5</sup> 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,<sup>6</sup> 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 ICNIRP limits for professional devices and occupational users,<sup>7</sup> and both the health and the sensory ELVs defined in Directive 2013/35/EU.<sup>8</sup>

Sincerely,


  
**Tiong Nguk Ing**  
 Digitally signed by Tiong Nguk Ing  
 Date: 2018.05.16 14:37:46 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey  
 Penang EME Laboratory Manager  
 DATE : 16-MAY-2018

<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>Directive 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.

<sup>4</sup>EN50360:2017 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.

<sup>5</sup>EN50566:2017 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.

<sup>6</sup>ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories.

<sup>7</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>8</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.