

EU Declaration of Conformity (DoC-16021700240-B)

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
ECE Regulation No. 10 for Electrical/Electronic-Subassembly (Automotive 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: MTM5x00 Dimetra Mobile Radio Series
Type Designator MT853C for:
Dimetra Mobile MTM5200, 350-390MHz, TX: 3W Tetra 1 and 3.16W TEDS
Dimetra Mobile MTM5400/5500, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Superseded Remarks: This DoC supersedes DOC-16021700240-B, DoC BER-214111-DC-C

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 300 394 - 1 V2.3.1,
EN 303 035 - 1 V1.2.1, EN 303 035 - 2 V1.2.2
EN 302 561 - V1.3.2

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
EN 62311:2008

Others:

This product is compliant with ECE Regulation 10 and is marked with E24 10R 030939
For railway applications the product is compliant with the following Standards:
EMC EN50121-3-2:2006 and Environmental IEC60571 Ed.3.0 / EN50155:2007

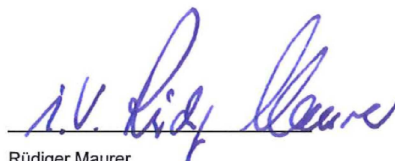
Year of first application of CE mark: 2013

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

BERLIN, 04-JUL-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-16021700240-B)

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.

ANTENNA

GMAE4507A COMB TETRA/GPS 380-430MHZ SMA

AUDIO

GMLN5089B	DATA JUNCTION BOX W / ACC CONNECTOR
GMSN4066A	EXTERNAL SPEAKER 13W
GMSN4078B	SMALL SPEAKER 5W
HLN7015A	IMPRES TELEPHONE STYLE HANDSET
HLN7016A	IMPRES TELEPHONE STYLE HANDSET KIT
PMLN4908B	DATA EXPANSION CONTROL HEAD ENH
PMMN4086A	HEARER SPKR MIC W JACK VOL C & EMER
PMMN4087A	VISOR MOUNTED MICROPHONE
PMWN4009A	CH DASH/DESK ROMAN
PMWN4017A	CH REMOTE ROMAN
PMWN4025A	TELEPHONE STYLE CH (TSCH) ROMAN
RLN4857B	PUSHBUTTON PTT
RLN4858A	GOOSENECK PTT
RMN5054B	SMART VISOR MIC
RMN5107B	COMPACT MOBILE MIC
RSN4002A	13W Ext Speaker
RSN4003A	7.5 watt external speaker
RSN4004A	5W EXT SPEAKER
RSN4005A	DESKTOP TRAY W/SPEAKER



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BATTERY

PMNN4351B	BATT LIION 1940T
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OTHERS

30015030001	SIM RDR EXT CBL IP54 15M
GKN6266A	PWR CBL DC BASE RENA
GKN6272A	External Alarm Relay
GLN7317A	TRUNION KIT MOBILE
GMLN5101A	SIM CARD HOUSING
GMLN5246A	SIM RDR2 W/ SERIAL IF
GMWN4298C	NG CONTROL HEAD ENGLISH
NTN8378A	HANG UP CUP BASIC
PMKN4110A	USB FLASH CABLE
PMKN4135A	TETRA MOBILE ETHERNET CABLE, 40M
PMKN4136A	TETRA MOBILE ETHERNET CABLE, 12M
PMKN4142A	CABLE, SIM CARD READER, 195CM
PMLN4908B	DATA EXPANSION CONTROL HEAD ENH
PMLN4912A	TRUNNION KIT
PMLN6662A	Aragorn Car Kit Junction Box
PMWN4024A	ETHERNET eCH REMOTE ROMAN
PMWN4025A	TELEPHONE STYLE CH (TSCH) ROMAN
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

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 killings - 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 applicable RF energy exposure limits

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

Model Number	Type Designator	Description
PMUD3227A	MT853C	Frodo Mobile 350-390MHz MTM5200/5400/5500

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.

For these radio models, RF exposure evaluations were carried out in accordance with harmonised³ standard EN 62311:2008,⁴ following best practices defined in IEEE Std C95.3,⁵ 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
DN: cn=Tiong Nguk Ing,
o=Motorola Solutions,
c=MyStry,
email=tiong@motorola.com, ou=EME
Date: 2017.06.29
16:11:02 +0800

Tiong Nguk Ing on behalf of Pei Loo Tey
 Penang EME Laboratory Manager
 DATE : 29-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 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.