MOTOROLA SOLUTIONS

EU Declaration of Conformity (DoC-16120100613-B)

Motorola Solutions declares under its sole responsibility that the products, to which this declaration relates, conform to the applicable essential requirements of the following Directives(s) of the Council of the European Community on the approximation of the laws of the Member States:

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: Tetra Subscriber ST7000

380-430MHz, TX: 1.8W, with GNSS, BT, BT-LE and WiFi™
ST7000 with type designator, PTM412DE

National Licenced Frequencies Only

Superseded Remarks: This DoC supersedes DOC-16120100613-A

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

Conformity:

Radio Equipment, Article 3(2):

RED
EN 300 328 v2.1.1,
EN 302 561 v2.1.1
RTTE
EN 300 328 V1.9.1
EN 300 394 - 1 V2.3.1,
EN 303 035 - 1 V1.2.1, EN 303 035 - 2 V1.2.2

EMC, Article 3(1)b:

EN 301 489 - 1 V1.9.2,
EN 301 489 - 17 V2.2.1,
EN 301 489 - 18 V1.3.1
EN 300 394 - 1 V2.3.1,
EN 300 440-1 V1.6.1, EN 300 440-2 V1.4.1

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, 05-JUL-2017

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

i.V. Rüdiger Maurer

Rüdiger Maurer
Director of Product Safety and Regulatory Compliance,
Motorola Solutions Germany GmbH

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MOTOROLA SOLUTIONS

Rev. 1 Addendum to EU Declaration of Conformity (DoC-16120100613-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.

AUDIO

NNTN8125C	WIRELESS ACCY KIT, STD PAIR, 12" CABLE
NNTN8143C	REMOTE PTT BLUETOOTH POD (NON-SECURE)
NNTN8191C	WIRELESS FAST PTT MODULE
NNTN8294A	OPERATIONS CRITICAL 1-WIRE EARBUD 29CM CORD BLACK
NNTN8385A	WIRELESS NECKLOOP Y-ADAPTER AND RETENTION HOOK FOR COMPLETELY DISCREET KIT
NTN2572B	12" CABLE REPLACEMENT EARPIECE FOR NNTN8125
PMLN6396A	TWO-WAY RADIO BLUETOOTH POD
PMLN6397A	SWIVEL EARPIECE
PMLN7203A	FLEXIBLE-FIT SWIVEL EARPIECE W/ BOOM MIC, MULTIPACK
PMLN7508A	MONO EARBUD
PMLN7509A	2-WIRE EARPIECE W/TRANS TUBE
PMLN7540A	3.5mm MONO EARBUD
PMLN7541A	3.5mm 2-WIRE EARPIECE w/TRANS TUBE
RLN4922A	COMPLETELY DISCREET EARPIECE KIT

BATTERY

PMNN4510A	IMPRES 2 2200MAH LI ION BATTERY (RADIO ENABLE)

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/Pazific 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

MOTOROLA SOLUTIONS

ACCREDITED
TESTING CERT # 2518.05

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
MDH67PCL6TZ5AN	PTM412DE	Dimetra Portable Monte, 380-430MHz, 1.8W, ST7000, alphanumeric display, GNSS, BT
PMUE5102A	PTM412DE	Dimetra Portable Monte, 380-430MHz, 1.8W, ST7000, alphanumeric display, GNSS, BT

with the ICNIRP[1] 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 harmonised[3] 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=n.i.tiong@motorolasolutions.com, c=MY
Date: 2017.07.04 23:46:16 +08'00'

Tiong Nguk In on behalf of Pei Loo Tey
Penang EME Laboratory Manager
DATE : 04-JUL-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.