

EU Declaration of Conformity (DoC-15102700187-D)

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: TLKR PMR446 Private Mobile Radio T80, T80Ex, T81, XT180
TLKR PMR446 Private Mobile Radio in the 446MHz range, 12.5kHz, fixed antenna, 0.5W TX
TLKR T80 Radio Tanapa IXUE2080A part of Super Tanapa IXUE2073A, IXUE2074A
TLKR T80Ex Radio Tanapa IXUE2081A part of Super Tanapa IXUE2075A, IXUE2076A, IXUE2087A, IXUE2088A
TLKR T81 Radio Tanapa IXUE2086A part of Super Tanapa IXUE2089A, IXUE2090A
TLKR XT180 Radio Tanapa IXUE2096A part of Super Tanapa IXUE2094A, IXUE2095A

Superseded Remarks: This DoC supersedes DOC-15102700187-C

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

Conformity:

Radio Equipment, Article 3(2):

RED
EN 300 296-2 v2.1.1
RTTE
EN 300 296-1 v1.4.1, EN 300 296-2 v1.4.1

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
ICNIRP (1998) General Population/Uncontrolled Exposure Limits
EN 50360:2001/A1:2012
EN 50566:2013
EN 62471


Year of first application of CE mark: 2012

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

BERLIN, 05-JUL-2017



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Rev. 1 Addendum to EU Declaration of Conformity (DoC-15102700187-D)

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

IXTN4011A	SINGLE PIN EARPIECE WITH BOOM MIC/VOX
IXTN4022A	SINGLE PIN SURVEILLANCE EARPIECE
NTN8868CR	SINGLE PIN HEADSET WITH SWIVEL BOOM MIC/VOX
NTN8870DR	CONSUMER EARBUD (Earbud with push-to-talk microphone)

BATTERY

IXNN4002B	XTR TLKR NIMH BATT
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OTHERS

IXPN4016CR	XTR446 UK REPLACEMENT TRANSFORMER
IXPN4017CR	XTR446 EU REPLACEMENT TRANSFORMER
IXTN4020A	TLKR-T80-T80EX Unit Charger Tray

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

Supporting evidence of compliance of models listed with applicable RF Energy exposure and measurement standards

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

Model Number	Type Designator	Description
IXUE2080A--P14MAA03A1BE(WE) NA		TLKR T80, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, GREY COLOR
IXUE2080A-P14MAB03A1AW(UK) NA		TLKR T80, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, GREY COLOR
IXUE2081A	N/A	TLKR T80EX, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, YELLOW COLOR
IXUE2086A-P14MAA03A1BM(WE) NA		TLKR T81, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, GREEN COLOR
IXUE2086A-P14MAB03A1BA(UK) NA		TLKR T81, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, GREEN COLOR
IXUE2096A-XAP0085BDGAA(UK) NA		TLKR XT180, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, BLACK COLOR
IXUE2096A-XAP0086BDGAA(WE) NA		TLKR XT180, 8 CHANNEL, 12.5KHZ, DISPLAY, FIXED ANT, 0.5 WATTS EIRP, BLACK COLOR

with the ICNIRP¹ limits for radio frequency (RF) energy exposure. These limits are part of comprehensive guidelines that establish permitted levels of RF energy exposures. The guidelines were developed by an independent scientific organization through periodic and thorough evaluations of scientific studies and endorsed by the World Health Organization (WHO). The ICNIRP guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The ICNIRP guidelines are also referenced in the European Council Recommendation 1999/519/EC², establishing limitation of exposure of the general public to electromagnetic fields, and the European Directive 2013/35/EU³, forming the basis of the applicable exposure framework for workers.

The exposure standard employs a specification known as the Specific Absorption Rate (SAR), measured in units of watts per kilogram (W/kg). SAR tests of Motorola Solutions radios are conducted using standard operating positions while transmitting at nominal power with results scaled to its highest certified power level in all tested frequency bands.

The SAR tests and evaluations for these products were performed at the Motorola Solutions Electromagnetic Energy (EME) Test Laboratory, which has been certified to the ISO/IEC Guide 17025 by an independent accrediting agency, the American Association for Laboratory Accreditation (A2LA), in accordance with the applicable testing guidelines set forth in IEC62209-1 and published by CENELEC as EN62209-1, and also, in accordance with IEC62209-2 and published by CENELEC as EN62209-2.

As certified in our EME lab, these Motorola radio models, in all modes (side of head, on the body and in front of the face as applicable) and at its highest certified power level, is compliant with the ICNIRP general public SAR limit of 10g SAR limit of 2W/kg, as required in harmonized standards EN50360⁴ and EN50566⁵, as well as the ICNIRP occupational 10g SAR limit of 10 W/kg.

Sincerely,



**Tiong
Nguk
Ing**

Digitally signed by Tiong
Nguk Ing
DN: cn=Tiong Nguk Ing,
o=Motorola Solutions,
ou=Regulatory
Compliance Lab,
email=tiong@motorola
solutions.com, c=US
Date: 2017.07.05 14:04:19
+08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey
 Penang EME Laboratory Manager
 DATE : 05-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 Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).

³ 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).

⁴ Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz - 3 GHz).

⁵ Product standard to demonstrate compliance of radio frequency fields from handheld and body-mounted wireless communication devices used by the general public (30 MHz - 6 GHz).