



EU Declaration of Conformity (DoC-16021700240-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 (RED)
ECE Regulation No. 10 for Electrical/Electronic-Subassembly (Automotive Directive)
2011/65/EU Restriction of Hazardous Substances Directive (RoHS)
2012/19/EU Waste Electrical and Electronic Equipment Directive (WEEE)
2013/35/EU Electromagnetic Fields Directive (EMF)

Object of the Declaration: TETRA Mobile Radio
MTM5400, MTM5500
MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

This DoC supersedes DOC-16021700240-B

Placed On The Market By: Motorola Solutions Systems Polska Sp. z o.o. , Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Conformity is shown by compliance with the applicable requirements of the following standards:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0

EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017

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

KRAKOW, 30-JUL-2021

Jacek Drabik
Country Manager Motorola Solutions Poland,
Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Friedrich Bollmann
Product Safety and Regulatory Compliance,
Motorola Solutions Germany GmbH, Berlin

Document Keeper: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland



Rev. 1 Addendum to EU Declaration of Conformity (DoC-16021700240-C)

The listed accessories are approved for use with the object of this declaration.

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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



Rev. 1 Addendum to EU Declaration of Conformity (DoC-16021700240-C)

The listed accessories are approved for use with the object of this declaration.

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
BATTERY	
PMNN4351B	BATT LIION 1940T
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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
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.

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 In 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.



Déclaration UE de Conformité (DoC-16021700240-C)

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant. L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable:

Directive 2014/53/UE (RED)
Règlement no 10 CEE-ONU
Directive 2011/65/UE (RoHS)
Directive 2012/19/UE (WEEE)
Directive 2013/35/UE (EMF)

Objet de la déclaration: TETRA Mobile Radio
MTM5400, MTM5500
MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Cette déclaration de conformité remplace DOC-16021700240-B

Mis sur le marché par: Motorola Solutions Systems Polska Sp. z o.o. , Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Par conformité, nous faisons référence à la conformité avec les exigences applicables des normes suivantes :

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0
EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017
Conforme à la directive ICNIRP (1998) sur les limites d'exposition contrôlée ou à usage professionnel
EN 62311:2008

Autres:

This product is compliant with ECE Regulation 10 and is marked with E24 10R 030939
Pour les applications dans le secteur ferroviaire, le produit est conforme aux normes suivantes :
EMC EN50121-3-2:2006 and Environmental IEC60571 Ed.3.0 / EN50155:2007

Détenteur du document: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Nous confirmons l'exactitude de cette traduction. Celle-ci est valable uniquement si elle est fournie avec la version anglaise d'origine signée.

Rev. 1 Complément à Déclaration UE de Conformité (DoC-16021700240-C)

Les accessoires énumérés sont autorisés à être utilisés dans le cadre de cette déclaration.

<u>NUMÉRO DE PIÈCE</u>	<u>DESCRIPTION (POUR INFORMATION SEULEMENT)</u>
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ANTENNE

GMAE4507A	COMB TETRA/GPS 380-430MHZ SMA
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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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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

**Rev. 1 Complément à Déclaration UE de Conformité (DoC-16021700240-C)**

Les accessoires énumérés sont autorisés à être utilisés dans le cadre de cette déclaration.

<u>NUMÉRO DE PIÈCE</u>	<u>DESCRIPTION (POUR INFORMATION SEULEMENT)</u>
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BATTERIE

PMNN4351B	BATT LIION 1940T
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AUTRES COMMENTAIRES

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	TRUNION KIT
PMLN6662A	Aragorn Car Kit Junction Box
PMWN4024A	ETHERNET eCH REMOTE
PMWN4025A	TELEPHONE STYLE CH (TSCH)
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

LOGICIEL

Le logiciel radio installé est sous l'entière responsabilité du fabricant, sans aucun accès par l'utilisateur et est conforme aux directives applicables.



EU-Konformitätserklärung (DoC-16021700240-C)

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller. Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:

Richtlinie 2014/53/EU (RED)
Regelung Nr. 10 UN/ECE
Richtlinie 2011/65/EU (RoHS)
Richtlinie 2012/19/EU (WEEE)
Richtlinie 2013/35/EU (EMF)

Gegenstand der Erklärung: TETRA Mobile Radio
MTM5400, MTM5500
MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Diese Konformitätserklärung ersetzt die DOC-16021700240-B

Auf den Markt gebracht durch: Motorola Solutions Systems Polska Sp. z o.o. , Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Die Konformität wird durch die Einhaltung der geltenden Anforderungen der folgenden Standards gezeigt:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0

EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017

Konform mit den ICNIRP (1998) Grenzwerten berufsbedingter/kontrollierter Exposition

EN 62311:2008

Weitere:

This product is compliant with ECE Regulation 10 and is marked with E24 10R 030939

Für Eisenbahnanwendungen ist das Produkt konform mit den folgenden Normen:

EMC EN50121-3-2:2006 and Environmental IEC60571 Ed.3.0 / EN50155:2007

Dokumentverwaltung: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Wir bestätigen die Richtigkeit dieser Übersetzung. Sie ist nur gültig, wenn sie mit der signierten englischen Originalversion bereitgestellt wurde.

DE

Rev. 1 Zusatz zu EU-Konformitätserklärung (DoC-16021700240-C)

Die aufgeführten Zubehörteile sind zur Verwendung mit dem Gegenstand dieser Erklärung zugelassen.

<u>TEILNUMMER</u>	<u>BESCHREIBUNG (NUR ZUR INFORMATION)</u>
ANTENNE	
GMAE4507A	COMB TETRA/GPS 380-430MHZ SMA
AUDIOZUBEHÖR	
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
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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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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

**Rev. 1 Zusatz zu EU-Konformitätserklärung (DoC-16021700240-C)**

Die aufgeführten Zubehörteile sind zur Verwendung mit dem Gegenstand dieser Erklärung zugelassen.

<u>TEILNUMMER</u>	<u>BESCHREIBUNG (NUR ZUR INFORMATION)</u>
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AKKU

PMNN4351B	BATT LIION 1940T
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ANDERE

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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

SOFTWARE

Die installierte Funkgerätesoftware unterliegt der vollständigen Kontrolle des Herstellers ohne Zugriff durch den Benutzer und entspricht den dazugehörigen Richtlinien.



Dichiarazione di conformità UE (DoC-16021700240-C)

La presente dichiarazione di conformità è rilasciata sotto l'esclusiva responsabilità del fabbricante. L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione:

Direttiva 2014/53/UE (RED)
Regolamento n. 10 UN/ECE
Direttiva 2011/65/UE (RoHS)
Direttiva 2012/19/UE (WEEE)
Direttiva 2013/35/UE (EMF)

Oggetto della dichiarazione: TETRA Mobile Radio
MTM5400, MTM5500
MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Questa Dichiarazione di conformità sostituisce DOC-16021700240-B

Commercializzato da: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

La conformità è dimostrata dalla rispondenza ai requisiti applicabili dei seguenti standard:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0

EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017

Conforme ai limiti di esposizione per scopi professionali/controllati dello standard ICNIRP (1998)

EN 62311:2008

Altri:

This product is compliant with ECE Regulation 10 and is marked with E24 10R 030939

Per le applicazioni ferroviarie, il prodotto è conforme ai seguenti standard:

EMC EN50121-3-2:2006 and Environmental IEC60571 Ed.3.0 / EN50155:2007

Riferimento del documento: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Si conferma la correttezza di questa traduzione. è valida solo se fornita con la versione originale in inglese firmata.

Rev. 1 Allegato al Dichiarazione di conformità UE (DoC-16021700240-C)

Gli accessori elencati sono approvati per l'uso con l'oggetto della presente dichiarazione.

<u>NUMERO DI PARTE</u>	<u>DESCRIZIONE (SOLO PER INFORMAZIONI)</u>
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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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

**Rev. 1 Allegato al Dichiarazione di conformità UE (DoC-16021700240-C)**

Gli accessori elencati sono approvati per l'uso con l'oggetto della presente dichiarazione.

<u>NUMERO DI PARTE</u>	<u>DESCRIZIONE (SOLO PER INFORMAZIONI)</u>
BATTERIA	
PMNN4351B	BATT LIION 1940T
ALTRO	
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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

SOFTWARE

Il software della radio installato è sotto il completo controllo del costruttore senza accesso da parte dell'utente ed è conforme alle direttive pertinenti.



Deklaracja zgodności UE (DoC-16021700240-C)

Niniejszą deklarację zgodności wydaje się na wyłączną odpowiedzialność producenta.
Wymieniony poniżej przedmiot niniejszej deklaracji jest zgodny z odnośnymi wymaganiami unijnego prawodawstwa harmonizacyjnego:

Dyrektywa 2014/53/UE (RED)
Regulamin nr 10 EKG ONZ
Dyrektywa 2011/65/UE (RoHS)
Dyrektywa 2012/19/UE (WEEE)
Dyrektywa 2013/35/UE (EMF)

Przedmiot deklaracji: TETRA Mobile Radio
MTM5400, MTM5500
MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Niniejsza deklaracja zgodności zastępuje DOC-16021700240-B

Wprowadzony do obrotu przez: Motorola Solutions Systems Polska Sp. z o.o. , Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Odwołania do norm, w odniesieniu do których deklarowana jest zgodność:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0

EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017

Zgodność z wytycznymi określonymi przez Międzynarodową Komisję Ochrony przed Promieniowaniem Niejonizującym ICNIRP (1998)

EN 62311:2008

Pozostałe:

This product is compliant with ECE Regulation 10 and is marked with E24 10R 030939

W przypadku zastosowań kolejowych produkt jest zgodny z następującymi normami:

EMC EN50121-3-2:2006 and Environmental IEC60571 Ed.3.0 / EN50155:2007

Właściciel dokumentu: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Potwierdzamy poprawność niniejszego tłumaczenia. Obowiązuje jedynie z podpisanym oryginałem w języku angielskim.

Rev. 1 Uzupełnienie do Deklaracja zgodności UE (DoC-16021700240-C)

Wymienione akcesoria są dopuszczone do użytku z przedmiotem niniejszej deklaracji.

<u>NUMER KATALOGOWY</u>	<u>OPIS (TYLKO INFORMACYJNIE)</u>
ANTENA	
GMAE4507A	COMB TETRA/GPS 380-430MHZ SMA
AUDIO	
GMLN5089B	DATA JUNCTION BOX W / ACC CONNECTOR
GMSN4066A	EXTERNAL SPEAKER 13W
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HLN7015A	IMPRES TELEPHONE STYLE HANDSET
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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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola Gooseneck PTT
RMN5054B	SMART VISOR MIC
RMN5107B	COMPACT MOBILE MIC
RSN4002A	13W Ext Speaker
RSN4003A	7.5 watt external speaker
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RSN4005A	DESKTOP TRAY W/SPEAKER

Rev. 1 Uzupełnienie do Deklaracja zgodności UE (DoC-16021700240-C)

Wymienione akcesoria są dopuszczone do użytku z przedmiotem niniejszej deklaracji.

<u>NUMER KATALOGOWY</u>	<u>OPIS (TYLKO INFORMACYJNIE)</u>
BATERIA	
PMNN4351B	BATT LIION 1940T
INNE	
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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

OPROGRAMOWANIE

Zainstalowane oprogramowanie radiowe pozostaje pod pełną kontrolą producenta bez możliwości ingerencji przez użytkownika. Oprogramowanie jest w zgodności z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego.



Declaração UE de conformidade (DoC-16021700240-C)

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante. O objeto da declaração acima mencionada está em conformidade com a legislação de harmonização da União aplicável:

Diretiva 2014/53/UE (RED)

Regulamento n.º 10 da CEE relativo a subconjuntos elétricos/eletrônicos (Diretiva Automóvel)

Diretiva 2011/65/EU (RoHS)

Diretiva 2012/19/EU (WEEE)

Diretiva 2013/35/EU (EMF)

Objeto da declaração: TETRA Mobile Radio

MTM5400, MTM5500

MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Esta Declaração de Conformidade substitui DOC-16021700240-B

Introduzido no mercado por: Motorola Solutions Systems Polska Sp. z o.o. , Ul.Czerwone Maki 82, 30-392 Krakow, Poland

A conformidade é demonstrada pela concordância com os requisitos aplicáveis das seguintes normas:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0

EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017

Em conformidade com os limites de Exposição Ocupacional/Controlada da ICNIRP (1998)

EN 62311:2008

Outros:

Este produto está em conformidade com o Regulamento ECE 10 e está marcado com E24 10R 030939

Para aplicações ferroviárias, o produto está em conformidade com os seguintes padrões:

EMC EN50121-3-2: 2006 e Ambiental IEC60571 Ed.3.0 / EN50155: 2007

Proprietário do documento: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

A exatidão desta tradução está confirmada e é válida apenas se fornecida com a versão original em inglês assinada.

Rev. 1 Adendo à Declaração UE de conformidade (DoC-16021700240-C)

Os acessórios listados são aprovados para uso com o objeto desta declaração.

<u>NÚMERO DA PEÇA</u>	<u>DESCRIÇÃO (APENAS PARA INFORMAÇÃO)</u>
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ANTENA

GMAE4507A	COMB TETRA/GPS 380-430MHZ SMA
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ÁUDIO

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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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

**Rev. 1 Adendo à Declaração UE de conformidade (DoC-16021700240-C)**

Os acessórios listados são aprovados para uso com o objeto desta declaração.

<u>NÚMERO DA PEÇA</u>	<u>DESCRIÇÃO (APENAS PARA INFORMAÇÃO)</u>
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BATERIA

PMNN4351B	BATT LIION 1940T
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OUTRO

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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

PROGRAMAS

O software de rádio instalado está sob o controle total do fabricante, sem acesso do usuário e está em conformidade com as diretivas relevantes.



Declaración UE de conformidad (DoC-16021700240-C)

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante. El objeto de la declaración descrito anteriormente es conforme con la legislación de armonización pertinente de la Unión:

Directiva 2014/53/UE (RED)
Reglamento no 10 CEPE
Directiva 2011/65/UE (RoHS)
Directiva 2012/19/UE (WEEE)
Directiva 2013/35/UE (EMF)

Objeto de la declaración: TETRA Mobile Radio
MTM5400, MTM5500
MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

Esta Declaración de conformidad reemplaza a DOC-16021700240-B

introducido en el mercado por: Motorola Solutions Systems Polska Sp. z o.o. , Ul.Czerwone Maki 82, 30-392 Krakow, Poland

La conformidad se acreditará mediante el cumplimiento de los requisitos aplicables de los siguientes estándares:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0
EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017
Cumple con ICNIRP (1998) sobre límites de exposición ocupacional/controlada
EN 62311:2008

Otros:

This product is compliant with ECE Regulation 10 and is marked with E24 10R 030939
Para aplicaciones de estaciones ferroviarias, el producto cumple con los siguientes estándares:
EMC EN50121-3-2:2006 and Environmental IEC60571 Ed.3.0 / EN50155:2007

Custodio de la documentación: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Confirmamos la exactitud de esta traducción. Solo es válida si se proporciona con la versión original en inglés firmada.

Rev. 1 Anexo a Declaración UE de conformidad (DoC-16021700240-C)

Los accesorios listados están aprobados para su uso con el objeto de esta declaración.

<u>NÚMERO DE PIEZA</u>	<u>DESCRIPCION (SOLO PARA INFORMACION)</u>
ANTENA	
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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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

**Rev. 1 Anexo a Declaración UE de conformidad (DoC-16021700240-C)**

Los accesorios listados están aprobados para su uso con el objeto de esta declaración.

<u>NÚMERO DE PIEZA</u>	<u>DESCRIPCION (SOLO PARA INFORMACION)</u>
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BATERÍA

PMNN4351B	BATT LIION 1940T
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OTROS

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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
RLN4857B	push button with remote PTT
RLN5926A	PUSH BUTTON PTT

SOFTWARE

El software de radio instalado se encuentra bajo el control total del fabricante sin acceso por parte del usuario y cumple con las directivas pertinentes.



UK Declaration of Conformity (DoC-16021700240-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 UK legislation:

The Radio Equipment Regulations 2017

ECE Regulation No. 10 for Electrical/Electronic-Subassembly (Automotive Directive)

Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The Waste Electrical and Electronic Equipment Regulations 2013

The Control of Electromagnetic Fields at Work Regulations 2016

Object of the declaration: TETRA Mobile Radio

MTM5400, MTM5500

MT853C, 350-390MHz, TX: 10W Tetra 1 and 3.16W TEDS

TETRA National Licensed Frequencies only

This DoC supersedes DOC-16021700240-B

Placed On The Market By: Motorola Solutions UK, 160 Victoria St, London, SW1E 5LB, U.K.

Conformity is shown by compliance with the applicable requirements of the following standards:

EN 302 561 v2.1.1

EN 301 489 - 1 V2.2.0

EN 301 489 - 5 V2.2.0

EN 62368-1:2014 +AC:2015 +A11:2017

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

KRAKOW, 30-JUL-2021

Jacek Drabik
Country Manager Motorola Solutions Poland,
Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Friedrich Bollmann
Product Safety and Regulatory Compliance,
Motorola Solutions Germany GmbH, Berlin

Document Keeper: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland



Rev. 1 Addendum to UK Declaration of Conformity (DoC-16021700240-C)

The listed accessories are approved for use with the object of this declaration.

(* Non-UK types of power supply plugs can be only used with adaptor complying UKCA regulatory and BS 1363-3 standard.)

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
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)
RLN4857B	PUSHBUTTON PTT
RLN4858A	Motorola 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



Rev. 1 Addendum to UK Declaration of Conformity (DoC-16021700240-C)

The listed accessories are approved for use with the object of this declaration.

(* Non-UK types of power supply plugs can be only used with adaptor complying UKCA regulatory and BS 1363-3 standard.)

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
BATTERY	
PMNN4351B	BATT LIION 1940T
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
PMWN4025A	TELEPHONE STYLE CH (TSCH)
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 UK legislation.

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 In 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.