EU Declaration of Conformity (DoC-17060600745-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 (RED)
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: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

National Licensed Frequencies Only

This DoC supersedes DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits
EN 62311:2008

KRAKOW, 31-AUG-2022

Elektronicznie podpisany przez Jacek Drabik
Data: 2022.09.02 16:37:00 +02'00'

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

Dariusz Szczęśniak
Product Safety and Regulatory Compliance,
Motorola Solutions Polska Systems Sp. z o.o.

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

MOTOROLA SOLUTIONS

Rev. 1 Addendum to EU Declaration of Conformity (DoC-17060600745-D)

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

PART NUMBER	DESCRIPTION (FOR INFORMATION ONLY)
ANTENNA	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Addendum to EU Declaration of Conformity (DoC-17060600745-D)

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

PART NUMBER	DESCRIPTION (FOR INFORMATION ONLY)
ANTENNA	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
CABLE	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

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.
R27.01.xx

EU Declarations of Conformity are available at: https://www.motorolasolutions.com/emea-compliance

MOTOROLA SOLUTIONS

A2LA ACCREDITED
TESTING CERT # 2518.05

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
M37TSS9PW1AN	MMD905PE35	APX8500, 136-174 MHz, 1-50W, 380-470 MHz, 1-40W, 12.5, 25, 30kHz, Dash/Remote + GPS, WiFi

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.

For these radio models, RF exposure evaluations were carried out in accordance with harmonised[3] 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
Date: 2020.06.23 21:54:41 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey
Penang EME Laboratory Manager
DATE : 23-JUN-2020

[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-17060600745-D)

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)
Directive 2011/65/UE (RoHS)
Directive 2012/19/UE (WEEE)
Directive 2013/35/UE (EMF)

Objet de la déclaration: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

Féquences nationales sous licence uniquement

Cette déclaration de conformité remplace DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Conforme à la directive ICNIRP (1998) sur les limites d'explosition contrôlée ou à usage professionnel
EN 62311:2008

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.

FR

MOTOROLA SOLUTIONS

Rev. 1 Complément à Déclaration UE de Conformité (DoC-17060600745-D)

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

NUMÉRO DE PIÈCE	DESCRIPTION (POUR INFORMATION SEULEMENT)
ANTENNE	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Complément à Déclaration UE de Conformité (DoC-17060600745-D)

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

NUMÉRO DE PIÈCE	DESCRIPTION (POUR INFORMATION SEULEMENT)
ANTENNE	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
CÂBLE	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

LOGICIEL

Le logiciel radio installé est sous l'entière responsabilité du fabricant, sans aucun accès par l'utilisateur et est conforme aux directives applicables.
R27.01.xx

Les déclarations de conformité de l'UE sont disponibles sur le lien suivant : https://www.motorolasolutions.com/emea-compliance

EU-Konformitätserklärung (DoC-17060600745-D)

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)
Richtlinie 2011/65/EU (RoHS)
Richtlinie 2012/19/EU (WEEE)
Richtlinie 2013/35/EU (EMF)

Gegenstand der Erklärung: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

Ausschließlich lizenzierte nationale Frequenzen

Diese Konformitätserklärung ersetzt die DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Konform mit den ICNIRP (1998) Grenzwerten berufsbedingter/kontrollierter Exposition
EN 62311:2008

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

MOTOROLA SOLUTIONS

Rev. 1 Zusatz zu EU-Konformitätserklärung (DoC-17060600745-D)

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

TEILNUMMER	BESCHREIBUNG (NUR ZUR INFORMATION)
ANTENNE	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Zusatz zu EU-Konformitätserklärung (DoC-17060600745-D)

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

TEILNUMMER	BESCHREIBUNG (NUR ZUR INFORMATION)
ANTENNE	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIOZUBEHÖR	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
KABEL	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

SOFTWARE

Die installierte Funkgerätesoftware unterliegt der vollständigen Kontrolle des Herstellers ohne Zugriff durch den Benutzer und entspricht den dazugehörigen Richtlinien.
R27.01.xx

EU-Konformitätserklärungen sind unter dem folgenden Link verfügbar: https://www.motorolasolutions.com/emea-compliance

Dichiarazione di conformità UE (DoC-17060600745-D)

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)
Direttiva 2011/65/UE (RoHS)
Direttiva 2012/19/UE (WEEE)
Direttiva 2013/35/UE (EMF)

Oggetto della dichiarazione: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

Solo frequenze nazionali con licenza

Questa Dichiarazione di conformità sostituisce DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Conforme ai limiti di esposizione per scopi professionali/controllati dello standard ICNIRP (1998)
EN 62311:2008

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.

IT

MOTOROLA SOLUTIONS

Rev. 1 Allegato al Dichiarazione di conformità UE (DoC-17060600745-D)

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

NUMERO DI PARTE	DESCRIZIONE (SOLO PER INFORMAZIONI)
ANTENNA	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Allegato al Dichiarazione di conformità UE (DoC-17060600745-D)

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

NUMERO DI PARTE	DESCRIZIONE (SOLO PER INFORMAZIONI)
ANTENNA	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
CAVO	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

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.
R27.01.xx

Le dichiarazioni di conformità UE sono disponibili al seguente link: https://www.motorolasolutions.com/emea-compliance

Deklaracja zgodności UE (DoC-17060600745-D)

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)
Dyrektywa 2011/65/UE (RoHS)
Dyrektywa 2012/19/UE (WEEE)
Dyrektywa 2013/35/UE (EMF)

Przedmiot deklaracji: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

Wyłącznie krajowe licencjonowane częstotliwości

Niniejsza deklaracja zgodności zastępuje DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Zgodność z wytycznymi określonymi przez Międzynarodową Komisję Ochrony przed Promieniowaniem Niejonizującym ICNIRP (1998)
EN 62311:2008

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.

MOTOROLA SOLUTIONS

Rev. 1 Uzupełnienie do Deklaracja zgodności UE (DoC-17060600745-D)

Wymienione akcesoria są dopuszczone do użytku z przedmiotem niniejszej deklaracji.

NUMER KATALOGOWY	OPIS (TYLKO INFORMACYJNIE)
ANTENA	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Uzupełnienie do Deklaracja zgodności UE (DoC-17060600745-D)

Wymienione akcesoria są dopuszczone do użytku z przedmiotem niniejszej deklaracji.

NUMER KATALOGOWY	OPIS (TYLKO INFORMACYJNIE)
ANTENA	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
KABEL	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

OPROGRAMOWANIE

Zainstalowane oprogramowanie radiowe pozostaje pod pełną kontrolą producenta bez możliwości ingerencji przez użytkownika. Oprogramowianie jest w zgodności z odnośnymi wymaganiami unijnego prawodawstwa harmonizacyjnego.
R27.01.xx

Deklaracje zgodności UE są dostępne pod następującym adresem: https://www.motorolasolutions.com/emea-compliance

Declaração UE de conformidade (DoC-17060600745-D)

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)
Diretiva 2011/65/EU (RoHS)
Diretiva 2012/19/EU (WEEE)
Diretiva 2013/35/EU (EMF)

Objeto da declaração: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

Exclusivamente frequências nacionais licenciadas

Esta Declaração de Conformidade substitui DOC-17060600745-C

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

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

EN 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Em conformidade com os limites de Exposição Ocupacional/Controlada da ICNIRP (1998)
EN 62311:2008

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.

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MOTOROLA SOLUTIONS

Rev. 1 Adendo à Declaração UE de conformidade (DoC-17060600745-D)

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

NÚMERO DA PEÇA	DESCRIÇÃO (APENAS PARA INFORMAÇÃO)
ANTENA	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Adendo à Declaração UE de conformidade (DoC-17060600745-D)

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

NÚMERO DA PEÇA	DESCRIÇÃO (APENAS PARA INFORMAÇÃO)
ANTENA	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
ÁUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
CABO	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

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.
R27.01.xx

As declarações de conformidade da UE estão disponíveis em: https://www.motorolasolutions.com/emea-compliance

Declaración UE de conformidad (DoC-17060600745-D)

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

Directiva 2014/53/UE (RED)
Directiva 2011/65/UE (RoHS)
Directiva 2012/19/UE (WEEE)
Directiva 2013/35/UE (EMF)

Objeto de la declaración: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

Frecuencias con licencia únicamente nacional

Esta Declaración de conformidad reemplaza a DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Cumple con ICNIRP (1998) sobre límites de exposición ocupacional/controlada
EN 62311:2008

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.

MOTOROLA SOLUTIONS

Rev. 1 Anexo a Declaración UE de conformidad (DoC-17060600745-D)

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

NÚMERO DE PIEZA	DESCRIPCION (SOLO PARA INFORMACION)
ANTENA	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Anexo a Declaración UE de conformidad (DoC-17060600745-D)

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

NÚMERO DE PIEZA	DESCRIPCION (SOLO PARA INFORMACION)
ANTENA	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
CABLE	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

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.
R27.01.xx

Las Declaraciones de Conformidad de la UE están disponibles en el siguiente enlace: https://www.motorolasolutions.com/emea-compliance

UK Declaration of Conformity (DoC-17060600745-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 UK legislation:

The Radio Equipment Regulations 2017
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: ASTRO® 25 Mobile Radio
APX8500

APX8500, MMD905PE35

136-174MHz, 1-50W, 6.25/12.5/20/25kHz
380-470MHz, 1-40W, 6.25/12.5/20/25kHz

Bluetooth®/Wi-Fi®/GPS/GLONASS

National Licensed Frequencies Only

This DoC supersedes DOC-17060600745-C

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 300 086 V2.1.2
EN 300 113 V2.2.1
EN 300 328 V2.2.2
EN 303 413 V1.1.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-19 V2.1.1
EN 50498:2010

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

Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits
EN 62311:2008

KRAKOW, 31-AUG-2022

Elektronicznie podpisany przez Jacek Drabik
Data: 2022.09.02 16:36:33 +02'00'

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

Dariusz Szczęśniak
Product Safety and Regulatory Compliance,
Motorola Solutions Polska Systems Sp. z o.o.

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

MOTOROLA SOLUTIONS

Rev. 1 Addendum to UK Declaration of Conformity (DoC-17060600745-D)

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.)

PART NUMBER	DESCRIPTION (FOR INFORMATION ONLY)
ANTENNA	
AN000131A01	
AN000163A01	2.4/5 GHz Wi-Fi/BT and GNSS
AN000163A05	ANT STUBBY,WIFI/GNSS, THRU MOUNT, QMA, 17FT
HAD4016A	ANT ROOF MT WB VHF 136/162
HAD4017A	ANT ROOF MT WB VHF 146/174
HAD4022A	ANTENNA 132-174 3DB GAIN
HAE4003A	ANTENNA UHF 450-470 QUARTERWAVE - ROOF MOUNT
HAE4004A	ANTENNA UHF 470-512 QUARTERWAVE - ROOF MOUNT
HAE4011A	ANTENNA ROOF TOP 3.5DB UHF
HAE4012A	ANTENNA ROOF TOP 3.5 dB 470-495 MHz
HAE4013A	ANTENNA ROOF TOP 3.5DB UHF
HAE6010A	ANT 3.5DB GAIN 380-433MHZ
HAE6011A	ANT 5.0DB GAIN 380-433MHZ
HAE6012A	UNITY GAIN ANTENNA UHF 380-433 QUARTERWAVE - ROOF MOUNT
HAE6013A	ANT WIDEBAND 2.0DB GAIN 380-470 MHZ
HAE6015A	ANT 2DB WIDEBAND 450-520 MHZ
HAE6016A	ANT LOW PROFILE 450-512 MHZ
HAE6031A	ANT, 2DB WIDEBAND 380-520 MHZ
HAF4013A	7/8/900 MHZ WIDEBAND LOW PROFILE, 3DB GAIN THROUGH HOLE NMO MOUNT
HAF4014A	

MOTOROLA SOLUTIONS

Rev. 1 Addendum to UK Declaration of Conformity (DoC-17060600745-D)

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.)

PART NUMBER	DESCRIPTION (FOR INFORMATION ONLY)
ANTENNA	
HAF4016A	UNITY GAIN ANTENNA QUARTERWAVE 762-870MHZ - ROOF MOUNT
HAF4017A	ANT 3DB COLLINEAR 762-870MHZ
PMAN5100A	17-ft PFP-195 cable Covert WI-FI QMA Glass Mount
RAD4010ARB	ANTENNA, SPECTRUM, 136-174 MHZ
RAE4014ARB	ANT 5.0DB GAIN 445-470MHZ
RAE4015ARM	
AUDIO	
HMN1089	WATER RESISTANT MICROPHONE
HMN4079	KEYPAD MICROPHONE
HSN4031	STANDARD SPEAKER 8 OHM
HSN4040	15 WATT SPEAKER (WATER RESISTANT)
CABLE	
HKN4192	CABLE, ASSEMBLY,0,CABLE, DC POWER
HKN6164	131 CAN CABLE REMOTE MOUNT
HKN6187	REMOTE CONTROL HEAD POWER, SPEAKER, AUDIO HEADSET JACKS
HKN6188	REMOTE CONTROL HEAD POWER AND SPEAKER
HLN6863	IGNITION PLUS SPEAKER CABLE J2 26 PIN
PMKN4034	STANDARD MICROPHONE EXTENSION CABLE- POTATO MICROPHONE 20 FEET

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.
R27.01.xx

UK Declarations of Conformity are available at: https://www.motorolasolutions.com/emea-compliance

MOTOROLA SOLUTIONS

A2LA ACCREDITED
TESTING CERT # 2518.05

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
M37TSS9PW1AN	MMD905PE35	APX8500, 136-174 MHz, 1-50W, 380-470 MHz, 1-40W, 12.5, 25, 30kHz, Dash/Remote + GPS, WiFi

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.

For these radio models, RF exposure evaluations were carried out in accordance with harmonised[3] 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
Date: 2020.06.23 21:54:41 +08'00'

Tiong Nguk Ing on behalf of Pei Loo Tey
Penang EME Laboratory Manager
DATE : 23-JUN-2020

[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.