DEKRA

Translation

1st Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate
BVS 07 ATEX E 095 X

Equipment: **Radiotelephone WARIS type GP***, PTX*** and ATS***

Manufacturer: **Motorola GmbH**

Address: **13507 Berlin**

Description

The radiotelephone can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

Radiotelephone WARIS type GP***, PTX*** and ATS***

The stars of the marking can be replaced by the following letters:

Name	Type description	Model number
VHF	**Standard Models**	
GP580 Ex	PW331H; S/Z; 12.5 kHz; 136 – 174 MHz	MDH25KCH4GC6BEA
GP680 Ex	PW331H; MPT; 12.5 kHz; 136 – 174 MHz	MDH25KCH4CK6BEA
GP380 Ex	PW331H; 5T; 12.5 kHz; 136 – 174 MHz	MDH25KCH4AN6BEA
GP340 Ex	PW331C; 5T POP; 12.5 kHz; 136 – 174 MHz	MDH25KCC4AN3BEA
GP580 Ex	PW311H; S/Z; 25 kHz; 136 – 174 MHz	MDH25KCH6GC6BEA
GP680 Ex	PW311H; MPT; 25 kHz; 136 – 174 MHz	MDH25KCH6CK6BEA
GP380 Ex	PW311H; 5T; 25 kHz; 136 – 174 MHz	MDH25KCH6AN6BEA
GP340 Ex	PW311C; 5T POP; 25 kHz; 136 – 174 MHz	MDH25KCC6AN3BEA
VHF	**APAC Models**	
ATS2500 Ex	S/Z; 12.5 kHz; 136 – 174 MHz	AZH25KCH4GC6
PTX760 Ex	MPT; 12.5 kHz; 136 – 174 MHz	AZH25KCH4CK6
GP339 Ex	5T; 12.5 kHz; 136 – 174 MHz	AZH25KCH4AN6
GP329 Ex	5T POP; 12.5 kHz; 136 – 174 MHz	AZH25KCC4AN3
ATS2500 Ex	S/Z; 25 kHz; 136 – 174 MHz	AZH25KCH6GC6
PTX760 Ex	MPT; 25 kHz; 136 – 174 MHz	AZH25KCH6CK6
GP339 Ex	5T; 25 kHz; 136 – 174 MHz	AZH25KCH6AN6
GP329 Ex	5TPOP; 25 kHz; 136 – 174 MHz	AZH25KCC6AN3
VHF	**Models with option board 0166503N09**	
GP680 Ex	PW331H; MPT; 12.5 kHz; 136 – 174 MHz	MDH25KCH4CK6BEASP1
GP380 Ex	PW331H; 5T; 12.5 kHz; 136 – 174 MHz	MDH25KCH4AN6BEASP1
GP340 Ex	PW331C; 5T POP; 12.5 kHz; 136 – 174 MHz	MDH25KCC4AN3BEASP1
GP680 Ex	PW311H; MPT; 25 kHz; 136 – 174 MHz	MDH25KCH6CK6BEASP1
GP380 Ex	PW311H; 5T; 25 kHz; 136 – 174 MHz	MDH25KCH6AN6BEASP1
GP340 Ex	PW311C; 5T POP; 25 kHz; 136 – 174 MHz	MDH25KCC6AN3BEASP1

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VHF	**Models with option board 0166503N10**	
GP380 Ex	PW311H; 5T; 25 kHz; 136 – 174 MHz	MDH25KCH6AN6BEASP3
VHF	**Models with option board 0166501N15**	
GP380 Ex	PW311H; 5T; 25 kHz; 136 – 174 MHz	MDH25KCH6AN6BEASP2
UHF	**Standard Models**	
GP580 Ex	PW531H; S/Z; 12.5 kHz; 403 – 470 MHz	MDH25RCH4GC6BEA
GP680 Ex	PW531H; MPT; 12.5 kHz; 403 – 470 MHz	MDH25RCH4CK6BEA
GP380 Ex	PW531H; 5T; 12.5 kHz; 403 – 470 MHz	MDH25RCH4AN6BEA
GP340 Ex	PW531C; 5T POP; 12.5 kHz; 403 – 470 MHz	MDH25RCC4AN3BEA
GP580 Ex	PW511H; S/Z; 25 kHz; 403 – 470 MHz	MDH25RCH6GC6BEA
GP680 Ex	PW511H; MPT; 25 kHz; 403 – 470 MHz	MDH25RCH6CK6BEA
GP380 Ex	PW511H; 5T; 25 kHz; 403 – 470 MHz	MDH25RCH6AN6BEA
GP340 Ex	PW511C; 5T POP; 25 kHz; 403 – 470 MHz	MDH25RCC6AN3BEA
GP340 Ex	PW531VC; 5T POP; 12.5 kHz; 403 – 470 MHz	MDH25RCC4AN3BEASP4
GP340 Ex	PW511VC; 5T POP; 25 kHz; 403 – 470 MHz	MDH25RCC6AN3BEASP4
GP380 Ex	PW531VH ;5T ;12.5 kHz ; 403 – 470 MHz	MDH25RCH4AN6BEASP4
GP380 Ex	PW511VH; 5T;25 kHz;403 – 470 MHz	MDH25RCH6AN6BEASP4
UHF	**APAC Models**	
ATS2500 Ex	S/Z; 12.5 kHz; 403 – 470 MHz	AZH25RCH4GC6
PTX760 Ex	MPT; 12.5 kHz; 403 – 470 MHz	AZH25RCH4CK6
GP339 Ex	NA 5T; 12.5 kHz, 403 – 470 MHz	AZH25RCH4AN6
GP329 Ex	NA 5T POP, 12.5 kHz, 403 – 470 MHz	AZH25RCC4AN3
ATS2500 Ex	S/Z, 25 kHz, 403 – 470 MHz	AZH25RCH6GC6
PTX760 Ex	MPT, 25 kHz, 403 – 470 MHz	AZH25RCH6CK6
GP339 Ex	NA 5T, 25 kHz, 403 – 470 MHz	AZH25RCH6AN6
GP329 Ex	NA 5T POP, 25 kHz, 403 – 470 MHz	AZH25RCC6AN3
UHF	**Models with optionboard 0166503N09**	
GP680 Ex	PW531H; MPT; 12.5 kHz; 403 – 470 MHz	MDH25RCH4CK6BEASP1
GP380 Ex	PW531H; 5T; 12.5 kHz; 403 – 470 MHz	MDH25RCH4AN6BEASP1
GP340 Ex	PW531C; 5T POP; 12.5 kHz; 403 – 470 MHz	MDH25RCC4AN3BEASP1
GP680 Ex	PW511H; MPT; 25 kHz; 403 – 470 MHz	MDH25RCH6CK6BEASP1
GP380 Ex	PW511H; 5T; 25 kHz; 403 – 470 MHz	MDH25RCH6AN6BEASP1
GP340 Ex	PW511C; 5T POP; 25 kHz; 403 – 470 MHz	MDH25RCC6AN3BEASP1

The radiotelephone type GP***, PTX*** and ATS*** is a handheld radiotelephone and it serves for communication in the UHF and the VHF band.

The following antennas can be connected to the radio:
Antennas approved for group II 2G und group I M2 applications:

PMAD4012A VHF, 9 cm, 136-155MHz
PMAD4013A VHF, 9 cm, 155-174MHz
PMAD4014A VHF, 14 cm, 136-155MHz
PMAD4015A VHF, 14 cm, 155-174MHz
PMAD4023A VHF, 14 cm, 150-161MHz
PMAD4025A VHF, 9 cm, 150-161MHz
NAE6483AR UHF, 403-520MHz
NAE6522AR UHF, 9 cm Helical, 430-470MHz
PMAE4003A UHF, 9 cm Helical, 430-470MHz
PMAE4002A UHF, 9 cm, 403-433MHz

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Antennas approved for Group II 2G; 2D and group I M2 applications:

PMAE4016A Antenna WHIP, 403-520MHz
PMAD4042A VHF, 14cm, 136-155 MHz
PMAD4049A VHF, 15cm, 146-174 MHz

For the supply of the radio the battery type NNTN5510CR or type NNTN5510DR is used.
The battery will be charged only outside the potentially explosive atmospheres.

The radios may be used with one of the following leather carry cases/carrying devices:

GMLN1110A/B
GMLN1111A/B
GMLN1112A/B
GMLN1113A/B
NTN5243A
MDHLN6602A
MDRLN4815A
RLN6258A
PMLN5134A

The following accessory can be connected to the radios:

GMMN1111A Remote Speaker Microphone	(BVS 05 ATEX E 082)
PMMN4058A Remote Speaker Microphone	(BVS 08 ATEX E 107)
PMLN5151A ATEX Over the Head Heavy Duty Headset	(BVS 07 ATEX E 160)
PMLN5152A ATEX Behind the Head Heavy Duty Headset	(BVS 07 ATEX E 160)
PMLN5153A ATEX Light Weight Headset	(BVS 07 ATEX E 160)
PMLN5154A ATEX Hurricane Headset	(BVS 07 ATEX E 160)
PMMN4055A ATEX Throat Microphone	(BVS 07 ATEX E 160)
PMMN4056A ATEX Skull Microphone	(BVS 07 ATEX E 160)

The listed accessory will be connected only outside the potentially explosive atmospheres.

The permitted ambient temperature range for the radio, the battery and the remote speaker microphone is -20 °C ≤ Ta ≤ +50 °C.

Parameters

1. Frequency range	403 – 470 MHz 136 – 174 MHz
Output power under normal condition under fault condition (ib)	 1 W < 2 W
2. Ambient temperature range	-20 °C ≤ Ta ≤ +50 °C

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2006	General requirements
EN 60079-11:2007	Intrinsic safety "i"
EN 61241-0:2006	General requirements
EN 61241-1:2004	Protection by enclosures
EN 61241-11 :2006	Intrinsic safety "i"

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The marking of the equipment shall include the following:

II 2G Ex ib IIC T4
II 2D Ex tD A21 IP6x ibD21 T110°C
I M2 Ex ib I

Special conditions for safe use

It is only allowed to connect accessories that meet the requirements of the interface documents 6866546D07_02_06 Rev A and 6866546D07_02_07 Rev A or 6866546D07_02_06 Rev B and 6866546D07_02_07 Rev B.

Only accessories listed in this certificate are approved for use in group I applications.

Test and assessment report

BVS PP 07.2180 EG as of 15.12.2009

DEKRA EXAM GmbH
Bochum, dated 15. December 2009

Signed:Hans Christian Simanski
Certification body

Signed: Dr. Franz Eickhoff
Special services unit

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 15. December 2009
BVS-Ha/Her A 2009077

DEKRA EXAM GmbH

Certification body

Special services unit

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