POWERFLEET®

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DECLARATION OF CONFORMITY

Manufacturer Mix Telematics International (Pty) Ltd

Blaauwklip Office Park 2
Cnr Strand and Webers Valley Roads
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MiX 4000 MK3 Product Series

Model Number	Product	Part Number	Product Version	BAT	Modem	Magix	PCB SA	PCB Version
	ELECTRONIC UNIT / KIT			BATTERY 3.2V Li-Ion	Quectel SERIES	SHORT RANGE DEVICE	PCB SUB-ASSEMBLY	
MiX 4452	Electronic Unit	U0187MT	1	N/A	EG915N-EA	434MHz	Z0138MT	1E
	Kit	U0188MT	1					
MiX 4452-B	Electronic Unit	U0189MT	1	BAT				
	Kit	U0190MT	1					

Technical Description

The MiX 4452 and MiX 4452-B are fleet products. It consists mainly of an on-board computer, a modem, a GNSS, an accelerometer, Low Energy Bluetooth, I/O, 2 x CAN, 2 x RS232, 4 x positive drives, and an optional 434 MHz short range transceiver.

The components are also the same apart from:

a) The “-B” variants have an internal backup battery plugged in, allowing the device to work after the disconnection of the vehicle´s battery. The functionality and purposes of the products are the same.

Application of Council Directives

2014/53/EU, Radio Equipment Directive
2004/108/EC, Electromagnetic Compatibility
2011/65/EU and 2015/863/EU, Restriction of Hazardous Substances

We hereby declare that the above mentioned product variants have been tested to the applicable requirements of EU Radio Equipment Directive 2014/53/EU listed below, apart from Art 3.3 d)e)f). The following standards and normative documents have been applied:

Mark	Type	Directive	Standards Applied	Tested At	Date Completed	Test Report name
E11	**European Union e-type approval**	**UN ECE Regulation 10.06: 2019** **10R06/00 11693** **03**	ECE Regulation testing (Emissions and immunity only) covering 3 modes of operation (see below) on an "Non-Immunity" related product: Narrowband emissions - Para 6.5 and 6.6 EM Radiation - Para 6.8 Transient Immunity - Para 6.9 CISPR 25: second edition 2002 and corrigendum 2004 ISO 7637-2: 2004	TUV UK	24-Apr-24	Document 75951936-17 Issue 04
CE	**European Union Radio Equipment Directive (RED) 2014/53/EU**	**Directive 2013/35/EU Article 3.1a: Electrical Safety**	EN 50665: 2017 Human RF Exposure Assessment referencing EN62311:2008 covering all transmitters and including simultaneous transmission assessment.	TUV UK	6-Jun-24	Document 75960378-03
			AS/NZS 62368-1:2022 (IEC 62368-1: 2018 (ED3.0), MOD) Product Safety	EMC Technologies (AU)	24-May-24	M2402036 SAF 62368.1
		Article 3.1b: EMC	ETSI EN 301 489-1: V2.2.3 (2019-11) EMC for Radio Equipment and Services	TUV UK	24-Apr-24	Document 75951936-01 Issue 05
			ETSI EN 301 489-3: V2.1.2 (2021-03) Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz	TUV UK	24-Apr-24	Document 75951936-01 Issue 05
			ETSI EN 301 489-17: V3.2.4 (2020-09) Broadband Data Transmission	TUV UK	24-Apr-24	Document 75951936-01 Issue 05
			ETSI EN 301 489-19: V2.2.0 (2020-09) GNSS Receivers	TUV UK	24-Apr-24	Document 75951936-01 Issue 05
			ETSI EN 301 489-52: V1.2.1 (2021-11) Specific conditions for Cellular Communication Mobile and portable (UE) radio and ancillary equipment	TUV UK	24-Apr-24	Document 75951936-01 Issue 05
		Article 3.2 Radio	ETSI EN 301 908-1: V15.2.1 (2023-01) covering LTE CAT M1 FDD Bands B1, B3, B7, B8, B20 and B28. 4.2.2 Radiated Emissions (UE)	TUV UK	30-May-24	Document 75960378-02 Issue 01 (MiX 4452)
			ETSI EN 301 511: V12.5.1 (2017-03) Radiated Spurious Emissions in allocated GSM 900 and DCS 1800 bands, including voltage extremes of the DC supply (Related ETSI TS 151 010-1: V12.8.0 (2016-05)	TUV UK	30-May-24	Document 75960378-01 Issue 01 (MiX 4452)
			ETSI EN 303 413: V1.1.1 (2017-06) GSM Harmonized EN for GNNS stations in the GSM 900 and DCS 1800 bands	TUV UK	29-May-24	Document 75951936-04 Issue 04
			ETSI EN 300 220-2: V3.1.1 (2017-02) Effective Radiated Power and RF Emissions	TUV UK	29-May-24	Document 75951936-20 Issue 03

			ETSI EN 300 328 : V2.2.2 (2019-07) Bluetooth Spurious Emissions	TUV UK	29-May-24	Document 75953915-05 Issue 03

Signed at Stellenbosch, South Africa, on Thursday, 17 July 2025.

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VP R&D