

15 May 2020

TUV SUD BAPT
 Octagon House,
 Concorde Way,
 Fareham,
 Hampshire,
 PO15 5RL
 United Kingdom

Subject: MiX 4000 Series Declaration of Similarity



MiX Telematics International (Pty) Ltd, hereby declare that the MiX 4000 Series consists of the variants as listed below in table 1, present the same electrical, physical and electro mechanics characteristics, the same PCB (440WAZ124-1E) and layout. The only other difference between them is that they have different modems, as listed in the table below. The modems originate from the same modem supplier, namely u-Blox. The modems have the same PCB footprint.

We therefore claim that one can use the test results of the GNSS, Bluetooth module and 915 MHz Short Range RF transmitter of the MiX 45MC-4G variant also for the MiX 46MC-4G, because the electrical circuits for these modules are identical (same PCB and components used).

We therefore claim that one can reuse test results of the GNSS, Bluetooth module and 915 MHz Short Range RF transmitter between the different variants, because the electrical circuits for these functions are identical (same PCB and components used).

MiX Telematics International (Pty) Ltd, hereby also declare that the battery and non-battery variants, present the same electrical, physical and electro mechanics characteristics, the same PCB, layout and components. The only difference between them is that the “-B” models have an Internal backup battery plugged in, allowing the device to work after the disconnection of the vehicle’s battery.

The following product variants (with part numbers) are available:

Part ID	Picture	Official Name	Modem	Description
440FT0194		MiX 46MC-4G	SARA-R412M (LTE Cat M1 with 2G fall back)	MiX 4000 LTE Cat M1 with 2G fall back (Model 45MC-4G) Electronic Unit with Battery plugged in and Magix 434MHz and 915MHz support
440FT0195		MiX 46MC-4G-B	SARA-R412M (LTE Cat M1 with 2G fall back)	MiX 4000 LTE Cat M1 with 2G fall back (Model 45MC-4G) Electronic Unit with Magix 434MHz and 915MHz support

Part ID	Picture	Official Name	Modem	Description
440FT0187		MiX 45MC-4G	SARA-R410M (LTE Cat M1)	MiX 4000 LTE (Model 45MC-4G) Electronic Unit with Magix 434MHz and 915MHz support
440FT0191		MiX 45MC-4G-B	SARA-R410M (LTE Cat M1)	MiX 4000 LTE (Model 45MC-4G-B) Electronic Unit with Battery plugged in and Magix 434MHz and 915MHz support.
U0032MT		MiX 44MC-3G	SARA-U201 (3G)	MiX 44MC-3G (SARA-U201) with Type9 and Type4 Magix (433MHz and 915MHz)
U0034MT		MiX 44MC-3G-B	SARA-U201 (3G)	MiX 44MC-3G (SARA-U201) with Backup Battery Electronic Unit 3G (Global) - MiX 4000 with Type9 and Type4 Magix (433MHz and 915MHz).

Table 1 Variants in the MiX 4000 Series of Products

We remain at your disposal for any clarifications that may become necessary.

Sincerely,



Certification Manager: TC Bothma