

	Digital Matter Embedded South Africa		Doc No:	DM/CMP/DoC/O3LW/001
	EU Declaration of Conformity		Date Created:	01/02/2022
			Date Modified:	11/03/2024
			Rev No:	02
Creator:	Lizette Viljoen	Approved By:	Technical Director	

We, Digital Matter Embedded South Africa, St Georges building, cnr Meadowbrook and Sloane Rd, Bryanston, South Africa, 2021 declare on 01/02/2022

under our sole responsibility that the product:

- **Oyster3-LoRaWAN**

is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU and Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS 2) Directive 2011/65/EU and its amendment Directive 2015/863/EU (RoHS 3).

Technical Specifications	Product Code
	Oyster3-LoRaWAN
LoRaWAN Modem:	Murata LBAA0QB1SJ-296
Modem Bands and Power	LoRaWAN Bands: 860 MHz – 870 MHz 900 MHz – 930 MHz
Modem Operating Mode:	LoRaWAN
GNSS Receiver:	Sony CXD5605AGF
GNSS Bands:	GPS, GLONASS, Galileo, BeiDou, QZSS
Power Supply:	Input Voltage: 3.3-16 V DC
Firmware	V1.0
Clarification of module function:	GNSS provided by Sony CXD5605AGF LoRaWAN Communication provided by Murata LBAA0QB1SJ-296

Essential Requirements – Radio Equipment Directive 2014/53/EU	
Health and Safety (Article 3.1a)	EN/ IEC 62368-1:2020+A11:2020 EN 62479:2010
EMC (Article 3.1b)	EN 301 489-1: V2.2.3 EN 301 489-3: V2.3.2 EN 301 489-19: V2.2.1
Radio Spectrum Efficiency (Article 3.2)	EN 300 220-1 V3.1.1 EN 300 220-2 V3.2.1 EN 303 413: V1.2.1
Essential Requirements (RoHS) Prevention Article 4.1	RoHS 2 Directive 2011/65/EU with amendment (RoHS 3) EU Directive 2015/863/EU
Article 10(10) and 10(2)	No restrictions on use in any EU member states.

The conformity assessment procedure referred in Article 17 and detailed in Annex III of the Directive 2014/53/EU has been followed and all technical documentation relevant to the above equipment will be held at:

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Adrian Pickles
Technical Director

11/03/2024

Date Signed