	<b>Digital Matter Embedded South Africa</b>		Doc No:	DM/CMP/DoC/G150/001
	<b>EU Declaration of Conformity</b>		Date Created:	06/03/2024
			Date Modified:	11/03/2024
			Rev No:	01
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 06/03/2024

under our sole responsibility that the product:

- **G150-Global**

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																																																		
	G150-Global																																																		
Cellular Modem:	Ublox LENA R8																																																		
Cellular Modem Bands and Power	<u>4G Bands:</u> CAT-1bis <table border="0" style="margin-left: 20px;"> <tr><td>- 1</td><td>FDD</td><td>2100</td></tr> <tr><td>- 2</td><td>FDD</td><td>1900</td></tr> <tr><td>- 3</td><td>FDD</td><td>1800</td></tr> <tr><td>- 4</td><td>FDD</td><td>1700</td></tr> <tr><td>- 5</td><td>FDD</td><td>850</td></tr> <tr><td>- 7</td><td>FDD</td><td>2600</td></tr> <tr><td>- 8</td><td>FDD</td><td>900</td></tr> <tr><td>- 12</td><td>FDD</td><td>700</td></tr> <tr><td>- 20</td><td>FDD</td><td>800</td></tr> <tr><td>- 28</td><td>FDD</td><td>700</td></tr> <tr><td>- 66</td><td>FDD</td><td>1700</td></tr> <tr><td>- 38</td><td>TDD</td><td>2300</td></tr> <tr><td>- 40</td><td>TDD</td><td>2600</td></tr> <tr><td>- 41</td><td>TDD</td><td>2600</td></tr> </table> <u>2G Bands:</u> GSM/GPRS bands <table border="0" style="margin-left: 20px;"> <tr><td>- GSM</td><td>850</td></tr> <tr><td>- GSM</td><td>900</td></tr> <tr><td>- DCS</td><td>1800</td></tr> <tr><td>- PCS</td><td>1900</td></tr> </table>	- 1	FDD	2100	- 2	FDD	1900	- 3	FDD	1800	- 4	FDD	1700	- 5	FDD	850	- 7	FDD	2600	- 8	FDD	900	- 12	FDD	700	- 20	FDD	800	- 28	FDD	700	- 66	FDD	1700	- 38	TDD	2300	- 40	TDD	2600	- 41	TDD	2600	- GSM	850	- GSM	900	- DCS	1800	- PCS	1900
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Cellular Modem Operating Mode:	LTE CAT 1bis & 2G cellular																																																		
Maximum Cellular Output power	LTE: Power Class <ul style="list-style-type: none"> <li>• Class 3 (23 dBm)</li> </ul> 2G: GSM/GPRS (GMSK) Power Class <ul style="list-style-type: none"> <li>• Class 4 (33 dBm) for low bands</li> <li>• Class 1 (30 dBm) for high bands</li> </ul>																																																		
Modulation	LTE CAT 1bis: QPSK 2G: GMSK																																																		
Bandwidth	CAT-1bis: 1.4MHz / 5MHz / 20MHz 2G: 200kHz																																																		
GNSS Receiver:	Ublox LENA-R8001M10																																																		
GNSS Bands:	GPS, GLONASS, Galileo, BeiDou, QZSS																																																		
Power Supply:	Input voltage: 8-33 V DC																																																		
Firmware	V1.0																																																		
Clarification of module function:	GNSS provided by Ublox LENA-R8001M10 Cellular communication provided by Ublox LENA R8 Modem																																																		

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Essential Requirements – Radio Equipment Directive 2014/53/EU	
Health and Safety (Article 3.1a)	EN/ IEC 62368-1:2020+A11:2020 EN 62311:2020
EMC (Article 3.1b)	EN 301 489-1: V2.2.3 EN 301 489-19: V2.2.1 EN 301 489-17: V2.3.6 EN 301 489-52: V1.2.1 EN 55032:2015/A1:2020 EN 55035:2017/A11:2020
Radio Spectrum Efficiency (Article 3.2)	EN 300 328: V2.2.2 EN 303 413: V1.2.1 EN 301 511: V12.5.1 EN 301 908-1: V15.2.1 EN 301 908-13: V13.2.1
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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Bryanston, 2021,  
South Africa.  
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Adrian Pickles  
Technical Director

11/03/2024

Date Signed