

CERTIFICATE OF TYPE APPROVAL FOR RTTE EQUIPMENT

Type Approval Reference: CRA/SM/2022/S-0011148

Company/Establishment: 7Layers GmbH

Address: Borsigstreet.12, Ratingen, Germany

Date of Issue: 10/5/22

Equipment Details			
Equipment Category	Short Range Devices		
Type	Transceiver	Maximum Output Power	28.7 dBm
Manufacturer	VEGA Grieshaber KG	Rx Sensitivity	-100 dBm
Model	VEGAPULS Air 23 (LoRa)		
Frequency Band(s)	R1: 75.0 GHz-85.0 GHz, R2: 13.56 MHz-13.56 MHz, R3: 863.0 MHz-870.0 MHz,		
Channel spacing	N/A		
Additional Comments	N/A		

Antenna Details			
Antenna type	Integral	Gain	25.70 dBi

Conditions:

- Type approval or acceptance certificate is valid only for the type, model and the intended purpose mentioned.
- The equipment should be used only for the intended purpose as approved. E.g. mobile telephony, telemetry, data transmission, video, radio-relay link, fixed point-to-point, point-to-multipoint link, other usage not permitted.
- Only type-approved equipment can be imported. Dealers/Users will obtain prior permission to import from CRA.
- Any deviations from the approved specifications will render this approval invalid.
- It is an offence to use unapproved, unlicensed equipment and outside the terms of the license.

هذه الشهادة لا تخول حاملها الحق في استيراد أي كمية أو عينات من أجهزة الاتصالات السلكية واللاسلكية

THIS CERTIFICATE DOESN'T PERMIT IMPORT OF ANY QUANTITY OR SAMPLE OF TELECOM EQUIPMENT

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Equipment Category	Short Range Devices		
Type	Transceiver	Maximum Output Power	28.7 dBm
Manufacturer	VEGA Grieshaber KG	Rx Sensitivity	-100 dBm
Model	VEGAPULS Air 23 (LTE-NB-IoT, LTE-Cat-M1)		
Frequency Band(s)	R1: 75.0 GHz-85.0 GHz, R2: 13.56 MHz-13.56 MHz, R3: 790.0 MHz-862.0 MHz, R4: 1559.0 MHz-1610.0 MHz, R5: 880.0 MHz-960.0 MHz, R6: 1710.0 MHz-1880.0 MHz, R7: 1920.0 MHz-2170.0 MHz,		
Channel spacing	N/A		
Additional Comments	N/A		

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