



UK CA

UK-Type Examination Certificate

with respect to the presumption of
Compliance of a product with the essential requirements of

Certificate Number	CS35482
Certificate Holder	Particle Industries, Inc
Address	325 9th St, San Francisco, CA 94103 USA, 415-319-1553
Manufacturer	Particle Industries, Inc
Address	325 9th St, San Francisco, CA 94103 USA, 415-319-1553
Product Type/Description	B SOM
Trade Name	Particle
Model Number	B524 B523
Product Identification Element	B524 B523

Applied / Complied Designated Standards		Complied
RER 2017 (SI 2017/1206) Regulation 6.1a ■ Safety	EN IEC 62368-1:2020+A11:2020	Y
RER 2017 (SI 2017/1206) Regulation 6.1a ■ Health	EN IEC 62311:2020	Y
RER 2017 (SI 2017/1206) Regulation 6.1b ■ EMC	EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.4, EN 301 489-52 V1.2.1 EN 55035:2017+A11: 2020 EN 55032:2015+A1: 2020, Class B	Y
RER 2017 (SI 2017/1206) Regulation 6.2 ■ Radio	EN 300 328 V2.2.2, EN 300 330 V2.1.1 EN 301 511 V12.5.1, EN 301 908-1 V15.1.1 EN 301 908-2 V13.1.1, EN 301 908-13 V13.1.1	Y

Authorized By: *Darren Shih*

Darren Shih, Senior Manager

Issue Date: November 8, 2022

Expiry Date: November 7, 2027

PS: This Certificate is issued in Accordance with Schedule 3 of the RER 2017 (SI 2017/1206) and is only valid in Conjunction with the Following Annex I.

Bureau Veritas Consumer Products Services, Inc.
775 Montague Expressway, Milpitas, CA 95035, USA
Tel: 408 526 1188

Website: <https://www.cps.bureauveritas.com/>, Email: certification@bureauveritas.com



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Annex I of UKCA-TYPE Examination Certificate Certificate Number: CS35482

Product Specifications	
Frequency Range	2402-2480 MHz(BLE), 13.56-13.56 MHz(NFC RX only) 880.2-914.8 MHz(GSM900), 1710.2-1784.8 MHz(DCS1800) 1922.6-1977.4 MHz(WCDMA B1), 882.4-912.6 MHz(WCDMA B8) 1922.5-1977.5 MHz(LTE B1), 1710.7-1784.3 MHz(LTE B3), 2502.5-2567.5 MHz (LTE B7), 880.7-914.3 MHz (LTE B8), 834.5-859.5 MHz (LTE B20), 704.5-731.5MHz (LTE B28A)
RF Output Power (EIRP)	7.33 dBm (BLE) 32.37 dBm (GSM900), 29.49 dBm (DCS1800) 22.49 dBm (WCDMA B1), 22.46 dBm (WCDMA B8) 22.2 dBm (LTE B1), 23.0 dBm (LTE B3), 22.8 dBm (LTE B7), 23.0 dBm (LTE B8), 22.9 dBm (LTE B20), 23.25dBm (LTE B28A)
Type of Antenna	Loop Antenna (NFC RX), FPCB Antenna (BLE) External Antenna (GSM,WCDMA,LTE),
Modulation	ASK (NFC RX), GFSK (BLE), GMSK,8PSK (GSM), BPSK, QPSK, 16QAM (WCDMA ,LTE)
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	
Comments	

Technical Documentation Identification

Test Report	
RER 2017 (SI 2017/1206) Regulation 6.1a ■ Health & Safety	LD2208WDG0100, W7L-P22080019RE03
RER 2017 (SI 2017/1206) Regulation 6.1b ■ EMC	W7L-P22080019EM01, CE2208WDG0100
RER 2017 (SI 2017/1206) Regulation 6.2 ■ Radio	RE2208WDG0100-1, RE2208WDG0100-2, W7L-P22080019RE02 R2101A0074-R2, R2101A0074-R3, REBVCZ-W7L-P21060021-1 RXA1712-0412RF01
User Manual	<input checked="" type="checkbox"/>
Product Label	<input checked="" type="checkbox"/>
Block Diagram	<input checked="" type="checkbox"/>
Circuit Diagram	<input checked="" type="checkbox"/>
BOM	<input checked="" type="checkbox"/>
Declaration of Conformity	<input checked="" type="checkbox"/>
Risk Assessment	<input checked="" type="checkbox"/>
Internal Photos	<input checked="" type="checkbox"/>
External Photos	<input checked="" type="checkbox"/>

Based on the evidence presented, our certificate in accordance with Schedule 3 of Radio Equipment Regulations 2017 (SI 2017/1206) and the mutual recognition of their conformity is that the apparatus identified above complies with the requirements of that Regulation stated above.

Note: Compliance with the above Regulation is only applicable to use the above mentioned equipment in the United Kingdom (Including England, Wales, Scotland and Northern Ireland).

No configuration, other than described above, has been considered and is therefore not included in this certificate.

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Please check the validation of this certificate at [BV CPS Cert Validation Portal](#)