



UK CA

UK-Type Examination Certificate

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

Certificate Number	CS35438
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	Tracker SoM LTE CAT1/3G/2G
Trade Name	Particle
Model Number	T523M , T524M
Product Identification Element	T523M , T524M

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 62479:2010 , EN 50663:2017 EN IEC 62311:2020 , EN 50665:2017 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 303 413 V1.2.1* , EN 301 511 V2.5.1 EN 301 908-1 V15.1.1 , EN 301 908-2 V13.1.1 EN 301 908-13 V13.1.1 Y
*Note: This is a non-designated radio standard accepted by the UKCA RER 2017 SI 2017/1206.	

Authorized By: *Darren Shih*

Darren Shih, Senior Manager

Issue Date: November 11, 2022

Expiry Date: November 10, 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: CS35438

Product Specifications	
Frequency Range	2402-2480 MHz(BLE) , 2412-2472 MHz(WIFI 2.4G) , 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) , 704.5-746.5 MHz (LTE B28A) , 1575.42-1575.42 MHz (GPS RX only)
RF Output Power (EIRP)	9.88 dBm (BLE) , 18.46 dBm (WIFI 2.4G) 32.58 dBm (GSM900) , 29.79 dBm (DCS1800) 23.64 dBm (WCDMA B1) , 23.62 dBm (WCDMA B8) 23.01 dBm (LTE B1) , 23.33 dBm (LTE B3) , 22.91 dBm (LTE B7) , 23.24 dBm (LTE B8) , 23.13 dBm (LTE B20) , 23.08 dBm (LTE B28A)
Type of Antenna	Loop Antenna (NFC RX) , FPCB Antenna (BLE) , FPCB Antenna (WIFI) External Antenna (GSM,WCDMA,LTE) , Integral Antenna (GPS RX)
Modulation	ASK (NFC RX) , GFSK (BLE) , DSSS, OFDM (WIFI) , 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	LD2208WDG0098 , W7L-P22080017SA01 , SE2208WDG0098-1 SE2208WDG0098-2
RER 2017 (SI 2017/1206) Regulation 6.1b ■ EMC	CE2208WDG0098 , W7L-P22080017EM01
RER 2017 (SI 2017/1206) Regulation 6.2 ■ Radio	RE2208WDG0098-1 , RE2208WDG0098-2 , RE2208WDG0098-3 W7L-P22080017RE01 , W7L-P22080017RE02 , R2101A0075-R1V1 R2101A0075-R2 , R2101A0075-R3
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](#)