



UKCA AB

RER 2017 SI 2017/1206

Reason for Amendment (current / obsolete)	Revision History		Approved Date
	From	To	
Initial Release	1.0	1.0	June 14, 2022
Change works used from Harmonized to Designated	1.0	2.0	July 10, 2022
Embellish template	2.0	3	September 15, 2022



UK CA

UK-Type Examination Certificate

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

Certificate Number	CS35770
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	Photon 2
Trade Name	Particle
Model Number	PHN2
Product Identification Element	PHN2

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	Y
RER 2017 (SI 2017/1206) Regulation 6.2 ■ Radio	EN 300 328 V2.2.2, EN 300 440 V2.2.1, EN 301 893 V2.1.1	Y

*Note: This is a non-designated radio standard accepted by the UKCA RER 2017 SI 2017/1206.

Authorized By:

CERTIFIER, TITLE

Issue Date: Month XX, 2023

Expiry Date: Month XX, 2028

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: CS35770

Product Specifications	
Frequency Range	2402-2480MHz (BT-LE), 2412-2472MHz (2.4G WIFI), 5180-5700 MHz (5G WIFI), 5745- 5825MHz (5.8G WIFI)
RF Output Power (EIRP)	BT-LE: 9.98 dBm 2.4G WIFI: 802.11b/g/n(HT20): 19.80 dBm 5G WIFI: 802.11a: 20.87 dBm, 802.11n(HT20): 20.38 dBm, 802.11n(HT40): 19.92 dBm, DFS Slave: 21.23 dBm 5.8G WIFI: 802.11a/802.11n(HT20)/802.11ac(VHT20)/802.11n(HT40)/802.11ac(VHT40): 13.47 dBm
Type of Antenna	PCB Antenna
Modulation	BT-LE: GFSK 2.4GHz WIFI, 5G WIFI, 5.8G WIFI: OFDM
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	2402-2480MHz (BT-LE), 2412-2472MHz (2.4G WIFI), 5180-5700 MHz (5G WIFI), 5745- 5825MHz (5.8G WIFI)
Comments	-

Technical Documentation Identification

Test Report	
RER 2017 (SI 2017/1206) Regulation 6.1a ■ Health & Safety	SE2209WDG0276-1, SE2209WDG0276-2, RD2209WDG00276 (Safety)
RER 2017 (SI 2017/1206) Regulation 6.1b ■ EMC	RM2209WDG0276
RER 2017 (SI 2017/1206) Regulation 6.2 ■ Radio	RE2209WDG0276-1, RE2209WDG0276-2, RE2209WDG0276-3, RE2209WDG0276-4, RE2209WDG0276-5
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](#)