



NOTIFIED BODY
MODULE B: EU TYPE EXAMINATION CERTIFICATE
(For Council Directive 2014/53/EU)

THIS CERTIFICATE IS ISSUED TO

Zhuhai Pantum Electronics Co., Ltd.

Building 02, 06 and 08, No. 888 Shengping Avenue,
Pingsha Town, Zhuhai City, Guangdong Province, 519000, PR China

TO STATE THAT THE EQUIPMENT KNOWN AS

PANTUM BP2300NW, PT16B1B-S1B-01, BP2301NW, BP2302NW, BP2303NW, BP2304NW, BP2305NW, BP2306NW, BP2307NW, BP2308NW, BP2309NW, BP2310NW, BP2311NW, BP2312NW, BP2313NW, BP2314NW, BP2315NW, BP2316NW, BP2317NW, BP2318NW, BP2319NW, BP2320NW, BP1800NW, PT12B1A-S1B-01, BP1801NW, BP1802NW, BP1803NW, BP1804NW, BP1805NW, BP1806NW, BP1807NW, BP1808NW, BP1809NW, BP1810NW, BP1811NW, BP1812NW, BP1813NW, BP1814NW, BP1815NW, BP1816NW, BP1817NW, BP1818NW, BP1819NW, BP1820NW, BP23****, BP18****, PT16***-S**-01, PT12***-S**-01 (* Represent: A-Z, 0-9, hyphen or blank)

Conforms (following an evaluation of its associated Technical Documentation and subject to any restrictions stated in the attached Annex) with the essential requirements of Annex III, Module B, of the Council Directive **2014/53/EU** on Radio Equipment (RED) and the mutual recognition of their conformity, in relation to the essential requirements of:

Article 3.1(a) Health and Safety

Article 3.1(b) EMC

Article 3.2 Radio Spectrum

Details of this certification, standards used, RF parameters of this equipment and other information necessary for the correct interpretation and application, including any remarks, restrictions or observations are detailed in the attached Annex.

This is to certify that (a) sample(s) of the Product described herein has been investigated and found to be in compliance with the Standard(s) indicated on this Certificate. This certificate applies only to the product sample(s) submitted by the Applicant. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The Applicant/ Manufacturer are solely and fully responsible for conformity of all products to all applicable standard(s), specifications or requirements. This certificate shall only be used in its entirety. Authorization to apply the Notified Body Identification Number adjacent to the CE Marking is not permitted for Module B Certifications. The manufacturer shall keep a copy of the EU-type examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market.

Signed:

Bob DeLisi
on behalf of UL Verification Services Inc.

Issue Date:

Nov 08, 2023¹

Certificate No:

AN23C14245-1

¹ This certificate expires 3 years after the issue date or within one year of publication of a standard that supersedes the standard(s) listed under the SCOPE OF EXAMINATION section of this certificate.

If the device is internet connected equipment within the scope of [Commission Delegated Regulation \(EU\) 2022/30](#) a supplemental Type Examination will be required as of the date of application of the regulation except when harmonised standards are applied to demonstrate compliance with the essential requirements of articles 3.3(d), 3.3(e) and/or 3.3(f) as applicable.

ANNEX

SCOPE OF EXAMINATION

Article	Applied standard(s) (and version) or reference.
Article 3.1a Health and Safety:	EN IEC 62368-1:2020 +A11:2020, EN IEC 62311:2020
Article 3.1b EMC	EN 55032:2015 +A1:2020, EN 55035:2017 +A1:2020, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013 +A2:2021, EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4
Article 3.2 Radio Spectrum use	EN 300 328 V2.2.2, EN 301 893 V2.1.1, EN 300 440 V2.1.1

TECHNICAL DOCUMENTATION DETAILS

Title:	Technical Documentation Cover Sheet – RED
Reference Number:	AN23C14245
Issue Date:	2023/09/28
Contact Name:	Stephen Guo (Agent)

GENERAL PRODUCT DETAILS

Brand / Trade Name:	PANTUM		
Model Number(s) / Type Designation:	BP2300NW, PT16B1B-S1B-01, BP2301NW, BP2302NW, BP2303NW, BP2304NW, BP2305NW, BP2306NW, BP2307NW, BP2308NW, BP2309NW, BP2310NW, BP2311NW, BP2312NW, BP2313NW, BP2314NW, BP2315NW, BP2316NW, BP2317NW, BP2318NW, BP2319NW, BP2320NW, BP1800NW, PT12B1A-S1B-01, BP1801NW, BP1802NW, BP1803NW, BP1804NW, BP1805NW, BP1806NW, BP1807NW, BP1808NW, BP1809NW, BP1810NW, BP1811NW, BP1812NW, BP1813NW, BP1814NW, BP1815NW, BP1816NW, BP1817NW, BP1818NW, BP1819NW, BP1820NW, BP23****, BP18****, PT16***-S**-01, PT12***-S**-01 (* Represent: A-Z, 0-9, hyphen or blank)		
Build Version / Revision Level:	V1.00		
Software Name and Version:	2.A.0.4		
Operating Frequency and Declared Maximum Output Power	Bluetooth LE	2402 – 2480 MHz	5.0 dBm eirp (non-FHSS)
	802.11b/g/n	2412 – 2472 MHz	18.0 dBm eirp
	802.11a/n/ac	5180 – 5240 MHz	18.0 dBm eirp
		5260 – 5320 MHz	16.0 dBm eirp
		5500 – 5700 MHz	17.0 dBm eirp
		5745 – 5825 MHz	14.0 dBm eirp
Additional Information (modulation)	Bluetooth:	GFSK	
	802.11b:	CCK (BPSK, QPSK)	
	802.11a/g/n:	OFDM (BPSK, QPSK, 16QAM – 64QAM)	
	802.11ac:	OFDM (BPSK, QPSK, 16QAM – 256QAM)	
Description of Use / Function:	Laser Printer		
Manufacturers Company Name:	Zhuhai Pantum Electronics Co., Ltd.		
Manufacturers Address:	Building 02, 06 and 08, No. 888 Shengping Avenue, Pingsha Town, Zhuhai City, Guangdong Province, 519000 PR China		

ACCESSORIES

Include details of accessories covered by the scope of the certificate like power supply, antennas and any other special accessories.

PRODUCT VARIANT DETAILS

Details of Product Variant(s) covered by this Notified Body Certification: All models have the same RF technical construction including circuit diagram, PCB Layout, components and component layout except for the model name and print speed.

ASSESSMENT OF STANDARDS APPLIED

References to RE-D harmonised standards consider Official Journal entries to the Commission Implementing Decision (EU) 2023/2392 of 3 October 2023.

This device does not fall under the scope of the limited number of harmonised standards that address the essential requirements of Article 3.1a. The standards used to assess this device are considered state of the art as they are currently harmonised under the Low Voltage Directive (LVD) for the purposes of evaluating electrical safety and RF exposure. The LVD has the same essential requirements with regards to safety as the RE-D.

Compliance with rf exposure requirements is based on a minimum device-to-user separation distance of 20 cm.

There are currently no harmonised standards listed to cover an assessment of this device against the essential requirements of Article 3.1b. The standards used are considered state of the art as they are the most recent draft or published candidate standards for use with the Radio Equipment Directive (RE-D) covering this type of equipment for the assessment of the EMC for the radio functions. Assessment of other functions was made using harmonised standards for the EMC Directive which has the same essential requirements as Article 3.1(b) of the RE-D.

Harmonised standards were used to demonstrate compliance with Article 3.2 of the Radio Equipment Directive. All the standards referenced were current as of the date of this evaluation. No superseding standards had been listed in the Official Journal as of the date this certificate was issued.

The standards used represent state of the art with respect to demonstrating compliance with the essential requirements of the RE-D. The manufacturer needs to consider re-assessment of compliance as newer versions of standards used are published and harmonised.

REMARKS AND OBSERVATIONS

The manufacturer's declaration of conformity (DoC) appropriately lists the standards used and identifies the equipment by a model number. The additional inclusion of batch or serial numbers in the DoC may be required to identify which version of a DoC applies whenever the DoC is updated and applies only to specific versions of a model (e.g. after a modification to meet a requirement introduced through revisions in standards). The EU Declaration of Conformity and the Technical Documentation, which includes this certificate, shall be kept at the disposal of the National Authorities for ten years after the radio equipment has been placed on the market.

The product labelling and product packaging contained the CE mark as required by the RE-D. Due to the nature of radio equipment the manufacturer has placed their postal address on the packaging. As the manufacturer is not located in the EU the importer name and address need to be included on the packaging and/or product label.

The product labeling included a manufacturing date allowing its identification as required by the RE-D.

The 5150 – 5350 MHz is restricted to indoor use with limited² outdoor use in the 5150 – 5250 MHz band.

The pictogram is included on the packaging following EU [guidance on Article 10.10](#) and relevant instructions are detailed in the users' documentation.

² When installed in road vehicles, trains or aircraft output power is limited to 40 mW except when installed in train carriages that offer at least 12dB of attenuation. Outdoor use in fixed installations, including externally mounted to vehicles, is not permitted. Refer to EU [implementing decision \(EU\) 2022/179](#).

It is the responsibility to the manufacturer to ensure the ongoing compliance of this equipment. The manufacturer shall inform the notified body of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of the Radio Equipment Directive or the conditions for validity of this certificate. Such modifications shall require additional approval in the form of an addition to this EU-type examination certificate.

REVISION HISTORY

Nov 08, 2023

Original version (-1) released.