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**EU-TYPE EXAMINATION CERTIFICATE  
 RADIO EQUIPMENT DIRECTIVE 2014/53/EU**

**Annex III Module B**

**Issued by**

**SPORTON INTERNATIONAL (USA) INC**

**(Notified Body number: 2907)**

Certification Information		
Certificate No	SN25C0297	Certificate Revision No: A
Issue Date	Dec. 09, 2025	Certificate Validation: See Remark
Product Manufacturer	Espressif Systems (Shanghai) Co.,Ltd.	
	Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park, Shanghai, China	
Product Identification Information		
Product Description	2.4GHz&5GHz Wifi&BLE&Zigbee module	
Brand/Trade Name	ESPRESSIF	
Model/Type designation	ESP32-C5-WROOM-1U	
Hardware Version	V1	
Software Version	V0	
Accessories	PCB Antenna	
Conformity Assessment		
Essential requirements	Applied Specification(s) / Standard(s) and Test Report	Result
Safety RED, Article 3.1a	EN IEC 62368-1:2020+A11:2020	PASS
	Report No.: L552826KS081	
Health RED, Article 3.1a	EN 50665:2017, EN IEC 62311:2020	PASS
	Report No.: EA552826	
EMC RED, Article 3.1b	EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2	PASS
	EN 301 489-17 V3.3.1	
	Report No.: EW552826	
Radio Spectrum RED, Article 3.2	EN 300 328 V2.2.2, EN 301 893 V2.1.1, EN 300 440 V2.2.1	PASS
	Report No.: EQ552826, ER552826A, ER552826B	

Radio Equipment Specifications		
Technology	Frequency Band / Range	Maximum not to exceed output Power
Bluetooth LE	2400 ~ 2483.5 MHz	19.18 dBm (EIRP)
Wi-Fi 2.4GHz	2400 ~ 2483.5 MHz	19.90 dBm (EIRP)
Zigbee	2405 ~ 2480 MHz	8.74 dBm (EIRP)
Thread	2405 ~ 2480 MHz	8.72 dBm (EIRP)
Wi-Fi 5GHz	5150 ~ 5250 MHz	20.70 dBm (EIRP)
	5250 ~ 5350 MHz	20.99 dBm (EIRP)
	5470 ~ 5725 MHz	20.44 dBm (EIRP)
	5725 ~ 5850 MHz	13.39 dBm (EIRP)
Examined Technical Documentation File (TDF)		
<input checked="" type="checkbox"/> Label Drawing/Location	<input checked="" type="checkbox"/> Power of Attorney Letter	<input type="checkbox"/> Model Variance Statement
<input checked="" type="checkbox"/> EU Declaration of Conformity	<input checked="" type="checkbox"/> User Manual	<input checked="" type="checkbox"/> Risk Assessment
<input checked="" type="checkbox"/> Schematic Diagram	<input checked="" type="checkbox"/> Operational Description	<input type="checkbox"/> Antenna Specification
<input checked="" type="checkbox"/> Block Diagram	<input checked="" type="checkbox"/> Parts/ Bill of Materials	<input checked="" type="checkbox"/> PCB Layout
<input checked="" type="checkbox"/> Test Reports/Safety	<input checked="" type="checkbox"/> External Photos	<input checked="" type="checkbox"/> TDF Reference Number: EN552826 Issue Date: Nov. 05, 2025
<input checked="" type="checkbox"/> Test Reports/RF Exposure	<input checked="" type="checkbox"/> Internal Photos	
<input checked="" type="checkbox"/> Test Reports/Radio	<input checked="" type="checkbox"/> Test Setup Photos	
<input checked="" type="checkbox"/> Test Reports/EMC	<input type="checkbox"/> Other	
<input type="checkbox"/> Test Reports/Emergency Service		
Certificate Note		
<ol style="list-style-type: none"> <li>The device is restricted to indoor use only when operating in the 5250~5350 MHz frequency range.</li> <li>The transmitter antennas must be installed to provide a separation distance of at least 20cm from all persons.</li> <li>This radio module has been assessed for use in the temperature range of -40°C to +105°C and with an input voltage range of DC 3.00V~3.60V. When installing this radio module into a host product to a create new radio equipment device, the manufacturer responsible for placing the final radio product on the market in the EU must assess if the combination of this radio module and the host product complies with the essential requirements of the RE Directive 2014/53/EU.</li> </ol>		

