

Radio Equipment Directive 2014/53/EU EU Type Examination

Holder: SHENZHEN PUDU TECHNOLOGY CO., LTD.
Holder Address: Room 501, Building A, Block 1, Phase 1, Shenzhen International Inno Valley,
Dashi 1st Road, Nanshan District, Shenzhen, Guangdong, 518000, China
Product: Robot (PuduBot 2)
Product brand name: 
Product Identification: PDFD12, PDFD22 (Hardware Version: B01, Software version: 12.0.0.28)
Intended use: The product is designed to be used in household, office.
Frequency bands/range: See the Appendix for details
Transmit power/power range: See the Appendix for details
TCF Reference No: F-353-10-0330-23-02
Special Conditions: N/A

Based on the evidence presented in the above Technical File, in our opinion the apparatus described above meets the following essential requirements of the Radio Equipment Directive.

Essential Requirements		Applied Specification/Standards	
Art 3.1 (a)	Health	EN 50665:2017	
Art 3.1 (a)	Safety	EN IEC 62368-1:2020+A11:2020	
Art 3.1 (b)	EMC	EN 55032:2015+A11:2020	ETSI EN 301 489-1 V2.2.3 (2019-11)
		EN IEC 61000-3-2: 2019+A1:2021	ETSI EN 301 489-17 V3.2.4 (2020-09)
		EN 61000-3-3: 2013+A2:2021	ETSI EN 301 489-52 V1.2.1 (2021-11)
		EN 55035:2017+A11:2020	
Art 3.2	Radio	ETSI EN 300 328 V2.2.2 (2019-07)	ETSI EN 301 908-2 V13.1.1 (2020-06)
		ETSI EN 301 908-1 V15.2.1 (2023-01)	ETSI EN 301 908-13 V13.2.1 (2022-02)

The certificate is approved by / signed on behalf of CTI-CEM International Ltd



Dublin Ireland

CTI-CEM International Ltd is an EU notified body (No.:2845) under the Directive 2014/53/EU

Appendix

Frequency band(s)/range

BT: 2402MHz - 2480MHz
2.4G WIFI: IEEE 802.11b/g/n(HT20): 2412MHz - 2472MHz
IEEE 802.11n(HT40): 2422MHz - 2462MHz
WCDMA/HSDPA /HSUPA Band I: TX:1920 MHz - 1980 MHz RX:2110
MHz - 2170 MHz
WCDMA/HSDPA /HSUPA Band VIII: TX: 880 MHz - 915 MHz RX: 925
MHz - 960 MHz
LTE band 1: TX: 1920 - 1980 MHz RX: 2110 - 2170 MHz
LTE band 3: TX: 1710 - 1785 MHz RX: 1805 - 1880 MHz
LTE band 7: TX: 2500 - 2570 MHz RX: 2620 - 2690 MHz
LTE band 8: TX: 880 - 915 MHz RX: 925 - 960 MHz
LTE band 20: TX: 832 - 862 MHz RX: 791 - 821 MHz
LTE band 28: TX: 703 - 748 MHz RX: 758 - 803 MHz
LTE band 34: TX: 2010 MHz - 2025 MHz RX: 2010 MHz - 2025 MHz
LTE band 38: TX: 2570 MHz - 2620 MHz RX: 2570 MHz - 2620 MHz
LTE band 40: TX: 2300 MHz - 2400 MHz RX: 2300 MHz - 2400 MHz

Transmit power/power range

2.4GHz WiFi:
①ESP32-WR00M-32U module: 15.55dBm, ②FC80A module: 14.45dBm
BT classic:
①ESP32-WR00M-32U module: -4.72dBm, ②FC80A module: 2.39dBm
BLE:
①ESP32-WR00M-32U module: -1.58dBm, ②FC80A module: 5.27dBm
WCDMA/HSDPA/HSUPA:
①WCDMA: Band I: 22.49dBm, Band VIII: 20.90dBm
②HSDPA: Band I: 20.50dBm, Band VIII: 21.74dBm
③HSUPA: Band I: 20.50dBm, Band VIII: 21.74dBm
LTE:
LTE B1: 19.43dBm, LTE B3: 22.02dBm, LTE B7: 18.60dBm, LTE B8:
21.14dBm,
LTE B20: 21.39dBm, LTE B28: 21.78dBm, LTE B34: 20.10dBm, LTE B38:
19.51dBm,
LTE B40: 19.18dBm

-The End -