



FCC TEST REPORT

FCC ID: 2BTTG-D210

Product	:	D210
Model Name	:	D210
Brand	:	Desloc
Report No.	:	PTC25121907804E-FC04
Prepared for		
Hangzhou Key to the Future Technology Co., Ltd.		
Room 102-2, Building 1, No. 7 Jianghui South Road, Changhe Street, Binjiang District, Hangzhou City, Zhejiang Province, China, 310051		
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Report No.: PTC25121907804E-FC04

TEST RESULT CERTIFICATION

Applicant's name : Hangzhou Key to the Future Technology Co., Ltd.
Address : Room 102-2, Building 1, No. 7 Jianghui South Road, Changhe Street, Binjiang District, Hangzhou City, Zhejiang Province, China, 310051
Manufacture's name : Hangzhou Key to the Future Technology Co., Ltd.
Address : Room 102-2, Building 1, No. 7 Jianghui South Road, Changhe Street, Binjiang District, Hangzhou City, Zhejiang Province, China, 310051
Product name : D210
Model name : D210
Test procedure : FCC CFR47 Part 1.1307(b)(1)
Test Date : January 12, 2026 to February 06, 2026
Date of Issue : February 06, 2026
Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	D210
Model Name	:	D210
Specification	:	Bluetooth BLE 802.11b/g/n HT20/HT40 NFC_13.56MHz
Operation Frequency	:	2402-2480MHz for BLE 2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11 n(HT40) NFC_13.56MHz
Number of Channel	:	40 channels For DTS 2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11 n(HT40) NFC:1 channel
Type of Modulation	:	GFSK, For DTS DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; NFC:ASK
Antenna installation	:	FPC antenna PCB antenna NFC:Integral antenna
Antenna Gain	:	2.4G:5.52 dBi BLE:-16.39dBi NFC: 0dBi
Power supply	:	Input:DC6V, 200mA
Hardware Version	:	D210_CTR_V1.0
Software Version	:	DES.AAN_L001.A06_20251105



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2} \theta_{\phi}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

For NFC:

Refer to the test report PTC25101707801E-FC02, the measured maximum E Fields is 57.89dBuV/m@3m = -37.31 dBm EIRP.

Mode	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
2402(BLE_2 M)	1.00	2.68	2.68 ± 1	2.333458062	0.000464216	1	Pass
2437(11G)	1.00	13.91	13.91 ± 1	30.974192992	0.006161975	1	Pass
NFC	1.00	-37.31	-37.31 ± 1	0.002338837	0.000000465	176.21	Pass

4.5 simultaneous MPE Result

2.4G WIFI MPE ratio	BLE MPE ratio	NFC MPE ratio	Simultaneous MPE ratio	MPE Limits ratio	Test result
0.006162	0.000464	0.000000	0.006626	1	PASS

Remark: 2.4G Wi-Fi and BLE do not support simultaneous transmission.

Conclusion:

Both of the 2.4G WIFI, BLE and NFC can transmit simultaneously, the formula of calculated the exposure is:

(CPD1/LPD1) + (CPD2/LPD2) +etc. < 1

CPD = Calculation Power Density; LPD = Limit of Power Density

Therefore, the calculation of this situation is (0.006162/1) + (0.000000/176.21) = 0.000734.

which is less than the "1" limit.

*****THE END REPORT*****