

FCC TEST REPORT

Report No.....: AB26060100FW05
FCC ID.....: 2BDUK-TDMODEL2
Applicant.....: Tecdesk (UK) Ltd
Address.....: Santok House, Unit L, Braintree Industrial Estate, Braintree Road, Ruislip, HA4 0EJ, UK
Manufacturer.....: Tianjin Fei Tu Tong Hui Technology Co., Ltd.
Address.....: Room 205, Building 3, Area 3, Huatanguicheng, Zhongguancun Science and Technology Park, Binhai, Tianjin, China
Product Name.....: Tecdesk Model 2
Trade Mark.....: Tecdesk
Test Model.....: TD/MODEL2BKUS
Additional Model(s).....: /
Standard.....: FCC Part 2 (Section 2.1091);KDB 447498 D01;IEEE C95.1
Date of Receipt.....: 2026.06.10
Date of Issue.....: 2026.06.26
Test Result.....: Pass

Compiled by:
(Printed Name + Signature) Huaijie Li

Huaijie Li

Supervised by:
(Printed Name + Signature) David Huang

David Huang

Approved by:
(Printed Name + Signature) Jay Liu

Jay Liu

Testing Laboratory Name.....: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address.....: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

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FCC TEST REPORT

EUT.....	: Tecdesk Model 2
Test Model.....	: TD/MODEL2BKUS
Applicant.....	: Tecdesk (UK) Ltd
Address.....	: Santok House, Unit L, Braintree Industrial Estate, Braintree Road, Ruislip, HA4 0EJ, UK
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Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

REPORT VERSION

Version No.	Issue Date	Description
01	2026.06.26	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	Tecdesk Model 2	
Trade Mark:	Tecdesk	
Test Model:	TD/MODEL2BKUS	
Additional Model(s):	/	
Model Difference	/	
Hardware Version:	V1.0	
Software Version:	V1.0.0	
Power Supply:	5V/1A	
Battery	DC 3.7V/1000mAh	
EUT Supports Function: (Provided by the customer)	2.4GHz ISM Bands	
Test Sample(s) Number:	AB26060100-01 (Engineer Sample) AB26060100-02 (Normal Sample)	
Radio Specification Subject to this Report		
Bluetooth Version:	Bluetooth BDR + EDR	
Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK	
Channel Spacing:	1MHz	
Channel Number(s):	79	
Antenna Type:	Internal antenna	
Antenna Gain:	3.34dBi	
Radio Specification Subject to this Report		
Bluetooth Version:	Bluetooth LE	
Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK	
Channel Spacing:	2MHz	
Channel Number(s):	40	
Antenna Type:	Internal antenna	
Antenna Gain:	3.34dBi	
Radio Specification Subject to this Report		
Support Networks:	GSM, GPRS, EDGE, WCDMA, HSDPA, HSUPA	
Frequency Range:	GSM/GPRS/EDGE 850:	824.2MHz~848.8MHz
	GSM/GPRS/EDGE 1900:	1850.2MHz~1909.8MHz
	WCDMA Band II:	1852.4MHz~1907.6MHz
	WCDMA Band V:	826.4MHz~846.6MHz
Modulation Type:	GSM/GPRS:	GMSK
	EDGE:	GMSK, 8PSK
	WCDMA Band:	BPSK
	HSDPA:	QPSK
	HSUPA:	QPSK
GSM/GPRS/EDGE Power Class:	GSM 850: Power Class 4; PCS 1900: Power Class 1	
GPRS/EDGE Class:	Class 12	

UMTS Power Class:	Class 3	
Antenna Type:	External Antenna	
Antenna Gain:	GSM 850:	1.14dBi (Max.)
	PCS 1900:	3.62dBi (Max.)
	WCDMA Band II:	3.62dBi (Max.)
	WCDMA Band V:	1.14dBi (Max.)
Radio Specification Subject to this Report		
Support Networks:	Band 2/5/13	
Frequency Range:	Band 2	1850MHz–1910MHz
	Band 5	824MHz–849MHz
	Band 13	777MHz–787MHz
Modulation Type:	QPSK, 16QAM	
Channel Bandwidth:	Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 13	5MHz, 10MHz
Antenna Type:	External Antenna; 3.62dBi for Band2; 1.14dBi for Band5; 1.42dBi for Band13.	

1.2. DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +(86) 0755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC Accredited Lab.

Designation Number: CN1411

Test Firm Registration Number: 567066

ISED Wireless Device Testing Laboratories

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 Limit

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	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				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequency in MHz

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², P_{out} = output power to antenna in mW;

G = gain of antenna in linear scale, $\pi = 3.1416$;

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2.2 Evaluation Result

Mode	Total Power (dBm)	Antenna Gain	Max.EIRP (dBm)	Max.EIRP (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
BT	1	3.34	4.34	2.716	0.000540	1.0	PASS
BLE	1	3.34	4.34	2.716	0.000540	1.0	PASS
GSM 850	33	1.14	31.99	1581.248	0.314579	0.549	PASS
GSM 1900	29	3.62	32.62	1828.100	0.363689	1.0	PASS
WCDMA band 2	23	3.62	26.62	459.198	0.091355	1.0	PASS
WCDMA band 5	24	1.14	22.99	199.067	0.039603	0.551	PASS
LTE band 2	23	3.62	26.62	459.198	0.091355	1.0	PASS
LTE band 5	23	1.14	21.99	158.125	0.031458	0.549	PASS
LTE band 13	23	1.42	21.99	158.125	0.031458	0.518	PASS

Results for transmit simultaneously

No.	Configurations	Maximum MPE Value mW/cm ²		Transmit simultaneously	Limits
1	BT+GSM 1900	0.000540	0.363689	0.364229	1
2	BT+WCDMA Band 2	0.000540	0.091355	0.091895	1
3	BT +LTE Band 2	0.000540	0.091355	0.091895	1

At the transmit simultaneously calculation method is as follows:

Transmit simultaneously MPE = $\sum$ of MPE ratios²

MPE ratios = Field strengths or power density / MPE limit at the test frequency

So a SAR test is not required

*****THE END*****