

FCC RF Exposure

Applicant : Shenzhen KaiDa technology digital co, LTD
Address : 4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang,
Bantian Street, Longgang District, Shenzhen
Product Name : Tablet PC
Brand Mark : N/A
Model no. : D136
Series model : F101, F102, F103, F105, F106, F107, F108, F109, F110, F111
FCC ID : 2AX8U-D136
Report Number : BLA-EMC-202601-A1006
Date of Receipt : Jan. 08, 2026
Date of Test : Jan. 08, 2026 to Feb. 26, 2026
Test Standard : 47 CFR Part 15, Part1.1307
47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: Mark Chen

Review by: Xavier



Approved by:

Issued Date: Mar. 25, 2026

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Table of Contents

1 General information	4
1.1 General information	4
1.2 General description of EUT	4
2 RF Exposure Compliance Requirement	6
2.1 Standard Requirement	6
2.2 Limits	6
2.3 Result	7

Revise Record

Version No.	Date	Description
01	Mar. 25, 2026	Original

1 General information

1.1 General information

Applicant	Shenzhen KaiDa technology digital co, LTD
Address	4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang, Bantian Street, Longgang District, Shenzhen
Manufacturer	Shenzhen KaiDa technology digital co, LTD
Address	4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang, Bantian Street, Longgang District, Shenzhen
Factory	Shenzhen KaiDa technology digital co, LTD
Address	4/F, building C, Yunli Zhigu, No. 9, Xincun Avenue Xuexiang, Bantian Street, Longgang District, Shenzhen

1.2 General description of EUT

Product Name	Tablet PC
Model No.	D136
Serial Model	F101, F102, F103, F105, F106, F107, F108, F109, F110, F111
Differences of Series model	they have the same circuit the only difference is appearance and size.
Operation Frequency	BLE&BT Classic: 2402MHz-2480MHz 2.4GWIFI: IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz 5GWIFI: U-NII-1: 5150MHz-5250MHz U-NII-2A: 5250MHz-5350MHz U-NII-2C: 5470MHz-5725MHz U-NII-3: 5745MHz-5850MHz
Modulation Type	BLE: GFSK BT Classic: GFSK, $\pi/4$ DQPSK, 8DPSK 2.4GWIFI: 802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM) 802.11n (HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK) 5GWIFI: IEEE 802.11a:OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11n(HT20/HT40):OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE for 802.11ac :OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK)
Number of Channels	BLE:40

	BT: 79 2.4GWIFI: 802.11b/g:11 Channels 802.11n (HT20): 11 Channels 802.11n (HT40): 7 Channels 5GWIFI: U-NII-1: 802.11a/802.11n(HT20)/802.11ac(HT20): 4, 802.11n(HT40)/802.11ac(HT40):2, 802.11ac(HT80): 1 U-NII-2A: 802.11a/802.11n(HT20)/802.11ac(HT20): 4, 802.11n(HT40)/802.11ac(HT40):2, 802.11ac(HT80): 1 V-NII-2C: 802.11a/802.11n(HT20)/802.11ac(HT20): 8, 802.11n(HT40)/802.11ac(HT40):3, 802.11ac(HT80): 1 U-NII-3: 802.11a/802.11(HT20)/802.11ac(HT20): 5, 802.11n(HT40)/802.11ac(HT40): 2, 802.11ac(HT80): 1	
Antenna Type	FPC antenna	
Antenna Gain	BLE/BT Classic/2.4GWIFI: 1.9dBi 5G WIFI: 0.6dBi	
Power supply	Adapter	MODEL: K-T100502000U INPUT: 100-240VAC, 50-60Hz 0.35A Max OUTPUT: 5.0V, 2000mA
	Battery DC 3.8V	
Test Voltage	DC 3.8V	
Hardware Version	N/A	
Software Version	N/A	
Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.		

2 RF Exposure Compliance Requirement

2.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.2 Limits

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)										
	5	10	15	20	25	30	35	40	45	50	
	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

2.3 Result

$$\text{EIRP} = \text{pt} \times \text{gt} = (\text{E} \times \text{d})^{2/30}$$

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m

d = measurement distance in meters (m)

$$\text{Spot} = (\text{E} \times \text{d})^{2/30} \times \text{gt}$$

Separation distance= 0.5cm

BLE/BT Classic/2.4GWIFI Antenna Gain: 1.9dBi

5G WIFI Antenna Gain: 0.6dBi

BLE 2M worse case: **-3.3dBm @ 2442MHz**

$$\text{ERP} = -3.3 + 1.9 - 2.15 = -3.55\text{dBm} = 0.442\text{mW} < 2.751\text{mW}$$

$$\text{MPE ratio(BLE)} = 0.442 / 2.751 = 0.1607$$

BT Classic worse case: **-0.144dBm @ 2441MHz**

$$\text{ERP} = -0.144 + 1.9 - 2.15 = -0.394\text{dBm} = 0.913\text{mW} < 2.752\text{mW}$$

$$\text{MPE ratio(BT Classic)} = 0.913 / 2.752 = 0.3318$$

2.4G WIFI worse case: **0.252dBm @ 2437MHz**

$$\text{ERP} = 0.252 + 1.9 - 2.15 = 0.002\text{dBm} = 1.001\text{mW} < 2.756\text{mW}$$

$$\text{MPE ratio(2.4GWIFI)} = 1.001 / 2.756 = 0.3632$$

5G WIFI worse case: **-0.095dBm @ 5590MHz**

$$\text{ERP} = -0.095 + 0.6 - 2.15 = -1.645\text{dBm} = 0.685\text{mW} < 1.417\text{mW}$$

$$\text{MPE ratio(5GWIFI)} = 0.685 / 1.417 = 0.4834$$

For Simultaneous Transmission: worse case

As MPE ratio (BT Classic+5GWIFI)

$$= 0.3318 + 0.4834 = 0.8152 < 1,$$

Comply with RF exposure exemption limit.

----END OF REPORT----

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