



EMF TEST REPORT

Product Name: Smart Charging Cabinet

Model Number: C201

FCC ID: 2BV9XC201

Issued For : YX TECHNOLOGY CO., LIMITED
UNIT 12,9/F THE CLOUD 111 TUNG CHAU ST TAI KOK
TSUI HONG KONG

Issued By : Shenzhen LGT Test Service Co., Ltd.
Room 205, Building 13, Zone B, Zhenxiong Industrial
Park, No.177, Renmin West Road, Jinsha, Kengzi Street,
Pingshan District, Shenzhen, Guangdong, China

Report Number: LGT26E144HA01

Sample Received Date: May 21, 2026

Date of Test: May 21, 2026 ~ May 28, 2026

Date of Issue: May 28, 2026

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TEST REPORT CERTIFICATION

Applicant: YX TECHNOLOGY CO., LIMITED

Address: UNIT 12,9/F THE CLOUD 111 TUNG CHAU ST TAI KOK TSUI
HONG KONG

Manufacturer: YX TECHNOLOGY CO., LIMITED

Address: UNIT 12,9/F THE CLOUD 111 TUNG CHAU ST TAI KOK TSUI
HONG KONG

Product Name: Smart Charging Cabinet

Trademark: N/A

Model Number: C201

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR §2.1091 KDB 447498 D01 General RF Exposure Guidance v06	PASS

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Revision History

Rev.	Issue Date	Revisions
00	May 28, 2026	Initial Issue



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Smart Charging Cabinet	
Test Model Number:	C201	
Series Number:	N/A	
Model Difference:	N/A	
Frequency Bands:	2.4G WLAN	802.11b/g/n(20MHz): 2412~2462MHz 802.11n(40MHz):2422~2452MHz
	GSM	850: 824 MHz ~ 849MHz 1900: 1850 MHz ~ 1910MHz
	WCDMA	Band V: 824 MHz ~ 849 MHz Band II: 1850 MHz ~ 1910 MHz Band IV: 1710 MHz ~ 1755 MHz
	LTE	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 5: 824~849MHz LTE Band 7:2500~2570MHz LTE Band 12: 699-716MHz LTE Band 13: 777-787MHz LTE Band 25: 1850-1915MHz LTE Band 26: 814-824MHz/824-849MHz LTE Band 38: 2570-2620MHz LTE Band 40: 2305-2315MHz/2350-2360MHz LTE Band 41: 2496-2690MHz
Adapter:	Input: AC 100-240V 50/60Hz 2.0A Output: DC 24.0V 4.0A 96.0W Max	
Hardware Version:	P26A	
Software Version:	QWRT 17.01 r1 C634ER-39158	

1.2 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	FCC Registration No.: 746540
	CAB ID: CN0136



2. FCC 47CFR §2.1091 REQUIREMENT

2.1 TEST STANDARDS

The limit for Maximum Permissible Exposure (MPE) specified in FCC 1.1310 is followed. The gain of the antennas used in the product is extracted from the Antenna data sheets provided and also the maximum total power input to the antenna is measured. Through the Friis transmission formula and the maximum gain of the antenna, we can calculate the distance, away from the product, where the limit of MPE is reached.

Although the Friis Transmission formula is far field assumption, the calculated result of that is an over-prediction for near field power density. It is taken as worst case to specify the safety range.

2.2 LIMIT

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of the 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)
Limits for Occupational / controlled Exposures			
0.3-3.0	614	1.63	*(100)
3.0-30	1842/f	4.89/f	*(900/f ²)
30-300	61.4	0.163	1.0
300 - 1500	--	--	F/300
1500 – 100000	--	--	5.0
Limits for General population / Uncontrolled Exposure			
0.3-1.34	614	1.63	*(100)
1.34-30	824/f	2.19/f	*(180/f ²)
30-300	27.5	0.073	0.2
300 - 1500	--	--	F/1500
1500 – 100000	--	--	1.0

F= Frequency in MHz

* = Plane-wave equivalent power density.

Friss Formula

Friss 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

π = 3.1416

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

If we know the maximum gain of the antenna and the total output power to the antenna, through calculation, we will know MPE value at distance 20cm.



2.3 EUT OPERATION CONDITION

EUT was enabled to transmit and receive at lowest, middle and highest channels.

2.4 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. Warning statement to the user for keeping at least 20cm or more separation distance from the antenna should be included in the User manual. So, this device is classified as Mobile device.



2.5 TEST RESULT

Turn up Result

Mode	Turn up Power
GPRS 850	23±1dBm
GPRS 1900	29.5±1dBm
WCDMA B2	22.5±1dBm
WCDMA B4	20.5±1dBm
WCDMA B5	23.5±1dBm
LTE B2	23.5±1dBm
LTE B4	23.5±1dBm
LTE B5	23±1dBm
LTE B7	18.5±1dBm
LTE B12	23±1dBm
LTE B13	22.5±1dBm
LTE B25	18±1dBm
LTE B26	23.5±1dBm
LTE B38	24.5±1dBm
LTE B40	12.5±1dBm
LTE B41	24.5±1dBm
2.4G WIFI-802.11b	15±2dBm
2.4G WIFI-802.11g	14±1dBm
2.4G WIFI-802.11n(HT20)	11.5±1dBm
2.4G WIFI-802.11n(HT40)	14±1dBm



The MPE result of worst mode:

RF Function	Max Turn up Power (dBm)	Duty cycle factor	Max Power (dBm)	Max Power (mW)	ANT Gain (dBi)	ANT Gain (gain of antenna in linear scale)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Result
GSM 850(1Slot)	24	-9.03	14.97	31.41	3	2.00	0.012	0.549	0.023	Pass
GSM 1900(1Slot)	30.5	-9.03	21.47	140.28	3	2.00	0.056	1.000	0.056	Pass
WCDMA Band 2	23.5	0	23.5	223.87	3	2.00	0.089	1.000	0.089	Pass
WCDMA Band 4	21.5	0	21.5	141.25	3	2.00	0.056	1.000	0.056	Pass
WCDMA Band 5	24.5	0	24.5	281.84	3	2.00	0.112	0.549	0.204	Pass
LTE Band 2	24.5	0	24.5	281.84	3	2.00	0.112	1.000	0.112	Pass
LTE Band 4	24.5	0	24.5	281.84	3	2.00	0.112	1.000	0.112	Pass
LTE Band 5	24	0	24	251.19	3	2.00	0.100	0.549	0.182	Pass
LTE Band 7	19.5	0	19.5	89.13	3	2.00	0.035	1.000	0.035	Pass
LTE Band 12	24	0	24	251.19	3	2.00	0.100	0.466	0.214	Pass
LTE Band 13	23.5	0	23.5	223.87	3	2.00	0.089	0.518	0.172	Pass
LTE Band 25	19	0	19	79.43	3	2.00	0.032	1.000	0.032	Pass
LTE Band 26	24.5	0	24.5	281.84	3	2.00	0.112	0.543	0.206	Pass
LTE Band 38	25.5	-1.99	23.51	224.39	3	2.00	0.089	1.000	0.089	Pass
LTE Band 40	13.5	-1.99	11.51	14.16	3	2.00	0.006	1.000	0.006	Pass
LTE Band 41	25.5	-1.99	23.51	224.39	3	2.00	0.089	1.000	0.089	Pass

RF Function	Max Turn up Power (dBm)	Max Turn up Power (mW)	ANT Gain (dBi)	ANT Gain (gain of antenna in linear scale)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Result
2.4G WIFI	17.00	50.12	5.01	3.17	0.032	1	0.032	Pass

Multiple transmission: 2.4G WIFI+LTE Band 12=0.032+0.214 =0.246<1

Note:

1. The RF Exposure is less than the limit, complies with the exemption requirements.

END OF THE REPORT