

FCC TEST REPORT

Report Reference No...... : **S20011914F-B**

Compiled by (+ signature).....

Approved by (+ signature).....

Date of issue..... : 2020.01.19

Total number of pages..... : 14



Applicant's name..... : Shenzhen Ipozon Technology Co.,Ltd

Address..... : No.42 Minan Road, Pinghu Fumin Industrial Zone , Longgang District, Shenzhen, Guangdong Province ,China.

Manufacture's Name..... : Shenzhen Ipozon Technology Co.,Ltd

Address..... : No.42 Minan Road, Pinghu Fumin Industrial Zone , Longgang District, Shenzhen, Guangdong Province ,China.

Factory's Name..... : Shenzhen Ipozon Technology Co.,Ltd

Address..... : No.42 Minan Road, Pinghu Fumin Industrial Zone, Longgang District, Shenzhen, Guangdong Province ,China.

Test specification:

Standards..... : FCC Part15 subpart B

Test procedure..... : FCC

Non-standard test method..... : N/A

Test item description

Product name..... : SCOOTER BOOSTER

Trademark : /

Model and/or type reference : GX3

Rating(s)..... : Input DC25.2V; 50/60Hz ;450W

Testing Laboratory information:

Testing Laboratory Name : Guangzhou S-Test Laboratory

Address : Buiding A2, No 3 Keyan Road, Science City, Guangzhou, Guangdong China

Fax..... : +86 20 83172160

Possible test case verdicts:

- test case does not apply to the test object.. : N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement..: F (Fail)

Testing.....:

Date of receipt of test item.....: 10 Jan. 2020

Date (s) of performance of tests.....: 19 Jan. 2020

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report would be invalid test report without all the signatures of testing technician and approver.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

General product information:

SCOOTER BOOSTER
 Model: GX3
 Rated power:450W
 Rated frequency: 50-60Hz
 Shenzhen Ipozon Technology Co.,Ltd

EMC Standards Compliance List / Test Summary:

The following standards have been applied to ensure the product conforms with the protection requirements of the standard FCC part 15B.

Electromagnetic Emissions			
Test Item	Class	Standard	Result
Conducted Emission(0.15-30MHz)	B	FCC part15B	PASS
Radiated Emission(30-1000MHz)	B	FCC part15B	PASS

TABLE OF CONTENTS

FCC TEST REPORT.....	1
EMC Standards Compliance List / Test Summary:	3
TABLE OF CONTENTS	4
Section 1 General Information	5
1.1 Introduction.....	5
1.2 EUT General and Technical Descriptions.....	5
1.3 Support Equipment(s) and Test Configuration.....	5
1.3.1 Details of Support Equipment(s).....	5
1.3.2 Working State of EUT.....	5
1.3.3 Block Diagram of Test Configuration.....	5
1.4 EUT Photographs.....	6
Section 2 Electromagnetic Emissions	9
2.1 Conducted Emission at Mains Terminals.....	9
2.1.1 Conducted Emission Test Information.....	9
2.1.2 Measurement Equipments Used for Conducted Emission.....	9
2.1.3 Test Data.....	9
2.1.4 Test Curves.....	10
2.1.5 Test Setup.....	11
2.2 Radiated Emission (30-1000MHz).....	12
2.3.1 Radiated Emission Test Information.....	12
2.3.2 Measurement Equipments Used for Radiated emission.....	12
2.3.3 Test Data.....	12
2.3.4 Test Curves.....	13
2.3.5 Test Setup.....	14

Section 1 General Information

1.1 Introduction

This report documents the emission test results for the SCOOTER BOOSTER.

1.2 EUT General and Technical Descriptions

EUT Name:	SCOOTER BOOSTER
EUT Model:	GX3
EUT Trademark:	/
Input Voltage:	DC25.2V
Frequency:	50/60Hz
Output power:	450W
I/O Ports:	/
Function(s) Description:	/
Accessories information:	/

1.3 Support Equipment(s) and Test Configuration

1.3.1 Details of Support Equipment(s)

Description	Manufacturer	Model No.	Connection	Working state
/	/	/	/	/

1.3.2 Working State of EUT

1. Power Supply of EUT: 120VAC 60Hz
2. EUT Status: Full load working

1.3.3 Block Diagram of Test Configuration

/

1.4 EUT Photographs







Section 2 Electromagnetic Emissions

2.1 Conducted Emission at Mains Terminals

2.1.1 Conducted Emission Test Information

Temperature:	25°C	Humidity:	46% RH
ATM Pressure:	101 k Pa	Grounding:	No Grounding
Test Voltage:	AC 120V/60Hz	Tested Range:	150kHz to 30MHz
Tested by:	XXX	Date of test:	2020-01-13
Test Reference:	FCC part15B		
Results:	Pass		

2.1.2 Measurement Equipments Used for Conducted Emission

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
EMI Test receiver	R&S	ESCI	XXX-102	2010/04/22	2011/04/22
Two-line v-network	R&S	ENV216	XXX-103	2010/05/04	2011/05/04
Shielded Room	ETS•Lindgren	8*4*3	XXX-101	2009/03/13	2012/03/12

2.1.3 Test Data

L Line

	Freq	Level	Remark	LISN Factor	Cable Loss	Limit Line	Over Limit
	MHz	dBuV		dB	dB	dBuV	dB
1 q	0.162	49.08	QP	9.69	0.20	65.36	-16.28
2	0.162	36.18	Average	9.69	0.20	55.34	-19.16
3 a	0.504	33.15	Average	9.65	0.27	46.00	-12.85
4	0.504	38.86	QP	9.65	0.27	56.00	-17.14
5	0.838	25.34	Average	9.69	0.30	46.00	-20.66
6	0.838	29.74	QP	9.69	0.30	56.00	-26.26
7	4.516	28.89	Average	9.61	0.39	46.00	-17.11
8	4.516	32.00	QP	9.61	0.39	56.00	-24.00
9	6.682	34.39	Average	9.69	0.41	50.00	-15.61
10	6.682	38.59	QP	9.69	0.41	60.00	-21.41
11	19.903	37.14	Average	9.68	0.48	50.00	-12.86
12	19.903	39.67	QP	9.68	0.48	60.00	-20.33

N Line

	Freq	Level	Remark	LISN Factor	Cable Loss	Limit Line	Over Limit
	MHz	dBuV		dB	dB	dBuV	dB
1 q	0.162	49.72	QP	9.69	0.20	65.36	-15.64
2	0.162	36.01	Average	9.69	0.20	55.34	-19.33
3	0.504	32.23	Average	9.67	0.27	46.00	-13.77
4	0.504	38.35	QP	9.67	0.27	56.00	-17.65
5	1.133	24.85	Average	9.63	0.31	46.00	-21.15
6	1.133	30.06	QP	9.63	0.31	56.00	-25.94
7	3.393	29.29	Average	9.62	0.38	46.00	-16.71
8	3.393	30.96	QP	9.62	0.38	56.00	-25.04
9	6.580	31.45	Average	9.62	0.41	50.00	-18.55
10	6.580	37.91	QP	9.62	0.41	60.00	-22.09
11 a	19.903	36.72	Average	9.62	0.48	50.00	-13.28
12	19.903	37.55	QP	9.62	0.48	60.00	-22.45

Note: The Corrected QP Level and Corrected AVE Level included The Cable attenuation.

2.1.4 Test Curves

2.1.5 Test Setup



/

2.2 Radiated Emission (30-1000MHz)

2.3.1 Radiated Emission Test Information

Temperature:	25 °C	Humidity:	46% RH
ATM Pressure:	101 k Pa	Grounding:	No Grounding
Test Voltage:	AC 120V/60Hz	Tested Range:	30MHz to 1000MHz
Tested by:	Jumy Qiu	Date of test:	2020-01-13
Test Reference:	FCC part15B		
Results:	PASS		

2.3.2 Measurement Equipments Used for Radiated emission

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
Semi-Anechoic chamber	ETS•Lindgren	FACT3 2.0	XXX-100	2009/04/11	2012/04/10
Shielding room	ETS•Lindgren	8*4*3	XXX-101	2009/03/13	2012/03/12
EMI Test receiver	R&S	ESCI	XXX-102	2010/04/22	2011/04/22
Biconilog Antenna	ETS•Lindgren	3142D	XXX-105	2009/01/29	2012/01/28

2.3.3 Test Data

Horizontal

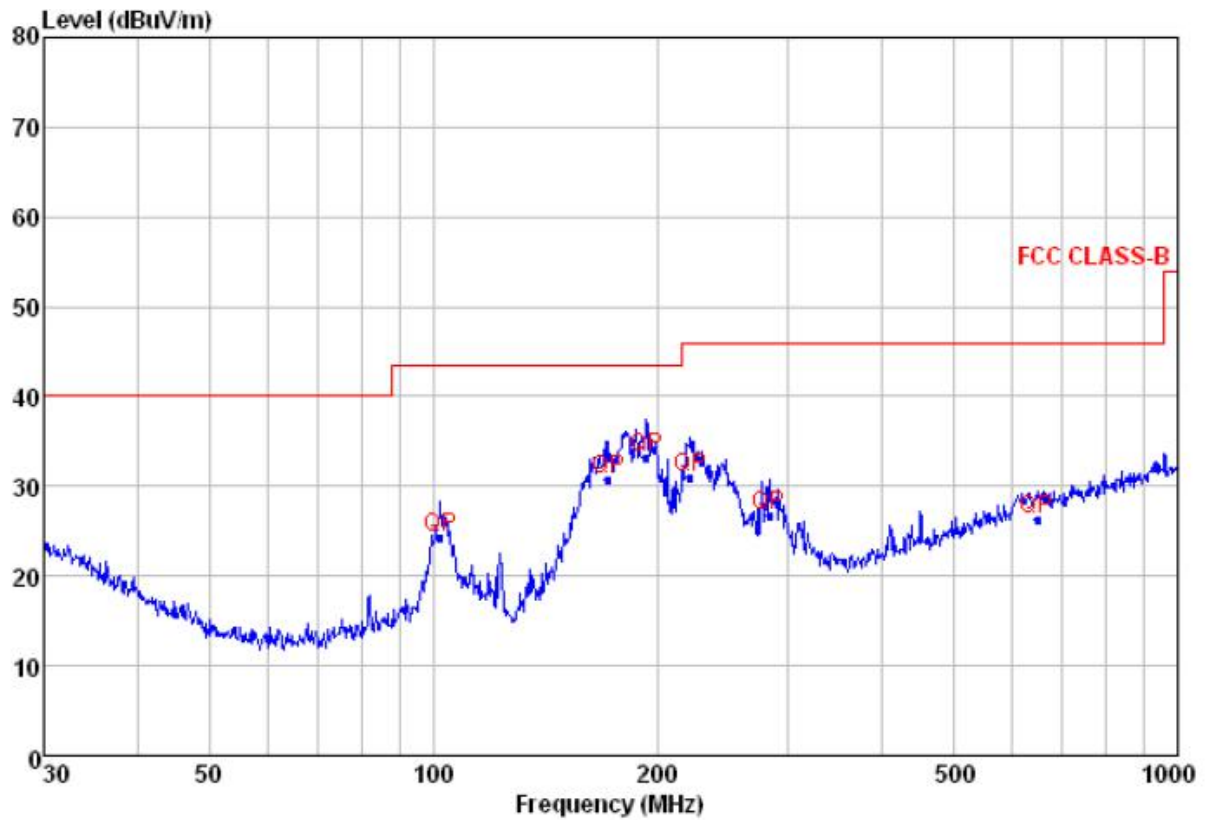
	Freq	Level	Remark	Antenna Factor	Cable Loss	Limit Line	Over Limit	A/Pos	T/Pos
	MHz	dBuV/m		dB/m	dB	dBuV/m	dB	cm	deg
1	102.360	24.30	QP	8.63	2.16	43.50	-19.20	201	142
2	171.995	30.80	QP	9.02	2.40	43.50	-12.70	201	249
3 q	193.095	33.10	QP	9.55	2.45	43.50	-10.40	201	208
4	221.392	30.90	QP	11.13	2.51	46.00	-15.10	154	207
5	282.985	26.80	QP	13.32	2.62	46.00	-19.20	201	228
6	647.386	26.30	QP	20.59	3.00	46.00	-19.70	188	287

Vertical

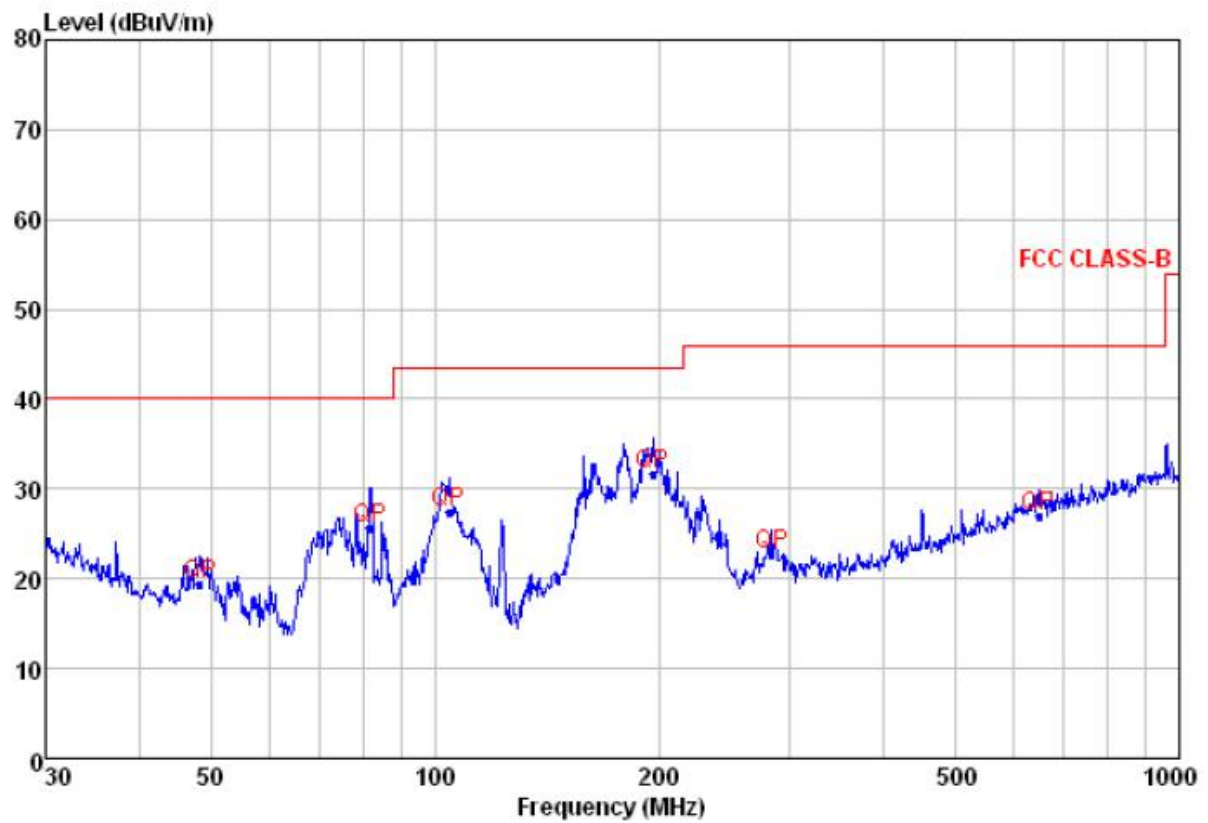
	Freq	Level	Remark	Antenna Factor	Cable Loss	Limit Line	Over Limit	A/Pos	T/Pos
	MHz	dBuV/m		dB/m	dB	dBuV/m	dB	cm	deg
1	48.332	19.30	QP	8.89	1.82	40.00	-20.70	100	223
2	81.783	25.70	QP	7.49	2.06	40.00	-14.30	100	259
3	104.536	27.30	QP	8.56	2.17	43.50	-16.20	150	305
4 q	196.510	31.60	QP	9.83	2.46	43.50	-11.90	100	264
5	283.979	22.80	QP	13.38	2.63	46.00	-23.20	100	257
6	647.386	26.90	QP	20.59	3.00	46.00	-19.10	100	360

Note: The Corrected QP Level included The Cable attenuation and The Antenna Factor.

2.3.4 Test Curves



Horizontal Radiated Emission Plot



Vertical Radiated Emission Plot

Note: The Curves included The Cable attenuation and The Antenna Factor.

2.3.5 Test Setup



Radiated emission Test Set-up Front View

/

END OF THE TEST REPORT