



Report No.: EZT20240802012E-1

ETSI EN 301 489-1/-3 RADIO TEST REPORT

for

DongGuan Foxsur Electronic Equipment Co., Ltd.

Jump Starter

FJS-800

Other models see Page 4 of the report

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Report Number: EZT20240802012E-1

Date of Test: July 25,2024-Aug.02,2024

Date of Report: Aug.02,2024

Tested By Mark Dan.
Mark Dan

Approved By Steven
Steven



The results detailed in this test report relate only to the specific sample(s) tested. It is the Application's responsibility to ensure that all production units are manufactured with equivalent EMC characteristics. This report is not to be reproduced except in full, without written approval from EZT Testing Technology.



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1. General Information

1.1 Notes

The test results of this report relate exclusively to the test item specified in 1.5. The EZT- Lab does not assume Responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the EZT- Lab

1.2 Testing Laboratory

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1.3 Details of Applicant

Name: DongGuan Foxsur Electronic Equipment Co., Ltd.

Address: No.5,Hengjiangxia Industrial Zone, ChangPin Tower, DongGuan City, GuangDong Province

1. 4 Application Details

Date of Test: July 25,2024-Aug.02,2024



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1.5 Test Item

Manufacturer: DongGuan Foxsur Electronic Equipment Co., Ltd.

Address: No.5,Hengjiangxia Industrial Zone, ChangPin Tower, DongGuan City, GuangDong Province

Brand Name: FOXSUR

Model No.: FJS-800

Additional Model No.: FJS-700

Additional Brand Name: N/A

Description: Jump Starter

Additional Information

Frequency: 110K-205KHz

Antenna Designation: A PCB Printed antenna, and the maximum Gain of this antenna is 2.5dBi

Type of Modulation: FHSS

Extreme Temp. Tolerance: -20°C to 55°C

Note: Classification according to CEPT/ERC Recommendation 70-03 & ETSI EN 301 489-3

1.6 Equipment Classification

Equipment Category: 3

1.7 List of Ports

Port	Description	Classification ¹	Maximum cable Length	Cable Type
N/A				

Note ¹ports shall be classified as ac power, dc power or signal/control port.

²Maximum cable length corresponding to the appropriate ports shall be classified as $\leq 3\text{m}$ or $> 3\text{m}$.

1.8 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	MU
1.	Temperature	$\pm 0.1^{\circ}\text{C}$
2.	Humidity	$\pm 1.0\%$
3.	Spurious emissions, conducted	$\pm 3.7\text{dB}$
4.	Spurious emissions, radiated	$\pm 4.5\text{dB}$



1.9 Ancillary and Peripheral Devices

Device	Manufacturer	Model	Cable
Camera	Nikon	D80	N/A

Note: An Equipment (apparatus) used in connection with a receiver or transmitter is considered as an ancillary Equipment (apparatus) if:

- The equipment is intended for use in conjunction with a receiver or transmitter to provide additional operational and/or control features to the radio equipment. (e.g. to extend control to another position or location); and
- The equipment cannot be used on a stand alone basis to provide user functions independently of a receiver or transmitter; and
- The receiver or transmitter to which it is connected, is capable of providing some intended operation such as transmitting and/or receiving without the ancillary equipment (i.e. it is not a sub-unit of the main equipment essential to the main equipment basic functions).

1.10 Test Standards

ETSI EN 301 489-1 V2.2.3 (2019-11)
Electromagnetic compatibility and Radio spectrum Matters (ERM);
Electromagnetic Compatibility (EMC) standard for radio equipment and services;
Part 1: Common technical requirements
ETSI EN 301 489-3 V2.3.2 (2023-01)
Electromagnetic compatibility and Radio spectrum Matters (ERM);
Electromagnetic Compatibility (EMC) standard for radio equipment and services;
Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz

Note: All radiated measurements were made in all three orthogonal planes. The values reported are the maximum values.



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2. Technical Test

2.1 Summary of Test Results

No deviations from the technical specification(s) were ascertained in the course of the tests Performed	
Final Verdict: (Only “Passed” if all Measurements are “Passed”)	Pass

2.2 Test Report

Emission (EMI)

EMI Phenomenon	Port	Requirement		EUT Setup	Result	Applicability
		Standard	Basic Standard			
Conducted Interference Voltage	AC Mains	ETSI EN 301489-1 Clause 8.4	EN 55032	Refer to Section 4	Complies	Not Applicable
Conducted Interference Voltage	DC	ETSI EN 301489-1 Clause 8.3	EN 55032	Refer to Section 4	Complies	Not Applicable
Radiated Interference Field Strength 30~1000MHz	Enclosure	ETSI EN 301489-13 Clause 8.2	EN 55032	Refer to Section 4	Complies	Not Applicable
Harmonic Current Emissions	AC Mains Input Port	ETSI EN 301489-1 Clause 8.5	EN 61000-3-2	Refer to Section 4	Complies	Not Applicable
Flicker & Voltage Fluctuation	AC Mains Input Port	ETSI EN 301489-1 Clause 8.6	EN 61000-3-3	Refer to Section 4	Complies	Not Applicable



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Immunity (EMS)

EM3 Phenomenon	Port	Requirement		EUT Setup	Result	Applicability
		Standard	Basic Standard			
Electronic Discharge (ESD)	Enclosure	ETSI EN 301 489-1 Clause 9.3	EN 61000-4-2:2009	Refer to Section 4	Complies	Applicable
RF-Electro-Magnetic Field (80-1000MHz) And 1400-2700MHz)	Enclosure	ETSI EN 301 489-1 Clause 9.2	EN 61000-4-3:2010	Refer to Section 4	Complies	Applicable
Fast Transients, Burst	Power Line AC/DC	ETSI EN 301 489-1 Clause 9.4	EN 61000-4-4:2004+ A1:2010	Refer to Section 4	Complies	Not Applicable
Surge	Power Line (1 phase)	ETSI EN 301 489-1 Clause 9.6	EN 61000-4-5:2006	Refer to Section 4	Complies	Not Applicable
Transients & Surge Vehicular Environment	Power Line (Car Charge)	ETSI EN 301 489-1 Clause 9.8	ISO 7637-2:2004	Refer to Section 4	Complies	Not Applicable
RF Common Mode (0.15-80MHz)	Power Line AC/DC signal Lines	ETSI EN 301 489-1 Clause 9.5	EN 61000-4-6:2009	Refer to Section 4	Complies	Not Applicable
Vol. Dips, Interruptions& Fluctuations (AC Power)	Input& Output AC Ports only	ETSI EN 301 489-1 Clause 9.7	EN 61000-4-11:2004	Refer to Section 4	Complies	Not Applicable

N/A=Not Applicable

-Performance criteria A for immunity tests with phenomena of a continuous phenomena;
Communication link shall be maintained after the test.

-Performance criteria B for immunity tests with phenomena of a transient phenomena;

N/A

-Performance criteria C for immunity tests with power interruptions exceeding a certain time.

N/A

Note: For details see subclause 6.1 ETSI EN 301 489-3



Clause 8.2 Emission Test – Radiated Emission

This test assesses that ability of ancillary equipment to limit their internal noise from being radiated from the enclosure.

According to EMC basic standard (EN 55032)

Measurement according to EMC basic standard, The test results correspond to the 3m Semi-Anechoic Chamber results.

The EUT and its simulators are placed on a turntable which is 0.8 meter above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to EN55032 on radiated measurement.

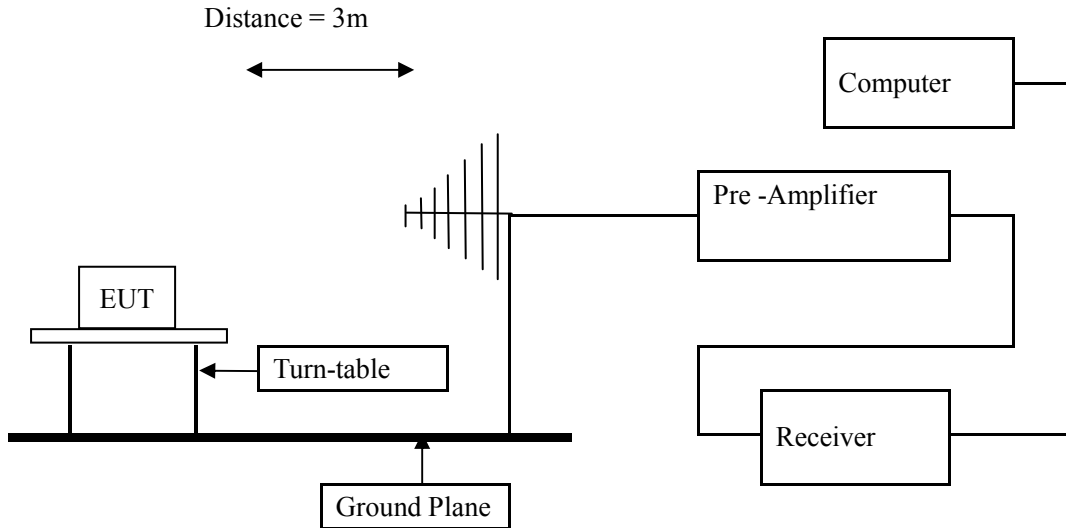
Radiated emissions were investigated over the frequency range from 30MHz to 1 GHz using a receiver bandwidth of 120kHz.

Radiated Emission was performed at an antenna to EUT distance of 3 meters.



Radiated Emission Test

Block diagram of Test setup



Power line conducted Emission Limit

Frequency Range (MHz)	Distance (m)	Quasi-Peak limits (dB μ V/m)
30-230	10/3	30.0/40.0
230-1000	10/3	37.0/47.0
1000-3000	3	50 (AV) /70 (PK)
3000-6000	3	54 (AV) /74 (PK)

Note: The lower limit shall apply at the transition frequencies

Test result

Please refer to the following table



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EUT	Jump Starter	Model	FSJ-800
Mode	Normal work	Input Voltage	DC5V
Temperature	24 deg. C,	Humidity	52% RH

Environmental conditions: Temperature: 22° C Humidity: 53% Atmospheric pressure: 103kPa

Note:

1. The worst case is submitted in the test report.
2. The receiver Radiated Emission was conducted with different settings, using the relevant and pre-amplifiers for the relevant frequency ranges.

f (MHz)	Band- Width (kHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Margin Value= Emission Level- Limit Value

Test Uncertainty: 4.5dB

Note: The test item not applicable to the EUT, because the test item is applicable to the enclosure of ancillary equipment

**Clause 8.3 DC Power Input/Output Ports Conducted Emissions****Test Method:**

According to EMC Basic Standard (EN 55032 [7] Class-B) and the Artificial Mains Networks (AMN) shall be connected to a DC power source.

The measurement frequency range extends from 150 kHz to 30 MHz. When the EUT is a transmitter operating at frequencies below 30 MHz, then the exclusion band for transmitters applies (see clause 4.3) for measurements in the transmit mode of operation.

For emission measurements on DC output ports the relevant port shall be connected via an AMN to a load drawing the rated current of the source.

Test Result: N/A

Environmental conditions: Temperature: 22° C Humidity: 53% Atmospheric pressure: 103kPa

A Conducted Emission on Line Terminal of the power line (150kHz to 30MHz)

EUT Description:

Operation Mode:

Tested By:

Test date:

Start Frequency	Stop Frequency	Step	IF BW	Detector	Final M-Time
0.15MHz	30MHz	4.5KHz	10KHz	QP+AV	1s

Frequency (MHz)	Reading(dB μ V)				Limit (dB μ V)	
	Line		Neutral			
	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
--	--	--	--	--	--	--
--	--	--	--	--	--	--

B Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT Description:

Operation Mode:

Tested By:

Test date:

Start Frequency	Stop Frequency	Step	IF BW	Detector	Final M-Time
0.15MHz	30MHz	4.5KHz	10KHz	QP+AV	1s

Frequency (MHz)	Reading(dB μ V)				Limit (dB μ V)	
	Line		Neutral			
	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
--	--	--	--	--	--	--
--	--	--	--	--	--	--

Note: The EUT is powered by batteries, so the test item is not applicable.



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Clause 8.4 AC Line Conducted Emissions

According to EMC Basic Standard (EN 55032 [7] Class-B)

1. For the table top EUT the distance to the reference ground plane (wall) should be 40 cm.
2. AC input line plugged into LISN.
3. The frequency spectrum from 0.15MHz to 30MHz was investigated. All readings are quasi -peak values with a resolution bandwidth of 9 KHz
4. The worse cases was selected to conducted the test

Environmental conditions: Temperature: 22° C Humidity: 53% Atmospheric pressure: 103kPa

A Conducted Emission on Line Terminal of the power line (150kHz to 30MHz)

EUT Description:

Operation Mode:

Tested By:

Test date:

Start Frequency	Stop Frequency	Step	IF BW	Detector	Final M-Time
0.15MHz	30MHz	4.5KHz	10KHz	QP+AV	1s

Frequency (MHz)	Reading(dB μ V)				Limit (dB μ V)	
	Line		Neutral			
	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
--	--	--	--	--	--	--
--	--	--	--	--	--	--

B Conducted Emission on Neutral Terminal of the power line (150kHz to 30MHz)

EUT Description:

Operation Mode:

Tested By:

Test date:

Start Frequency	Stop Frequency	Step	IF BW	Detector	Final M-Time
0.15MHz	30MHz	4.5KHz	10KHz	QP+AV	1s

Frequency (MHz)	Reading(dB μ V)				Limit (dB μ V)	
	Line		Neutral			
	Quasi-peak	Average	Quasi-peak	Average	Quasi-peak	Average
--	--	--	--	--	--	--
--	--	--	--	--	--	--

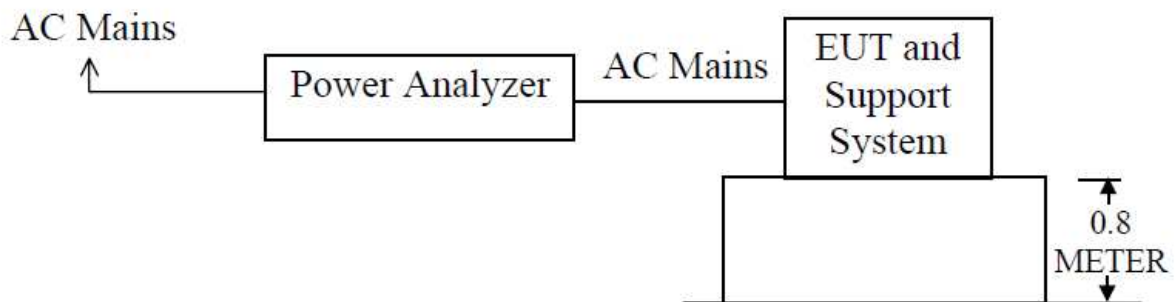
Note: The EUT is powered by batteries, so the test item is not applicable.



Clause 8.5 Harmonic Current Emissions

EUT Operating Mode
Normal operation mode

Block Diagram of Test Setup.



This test was performed as per EMC Basic Standard EN61000-3-2 Class A

Results

Port	EUT Operating mode	Result (Passed / Failed)
AC Input	Normal operation mode	N/A

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 21° C Humidity: 44% Atmospheric pressure: 103kPa

Note: The EUT is powered by batteries, so the test item is not applicable.

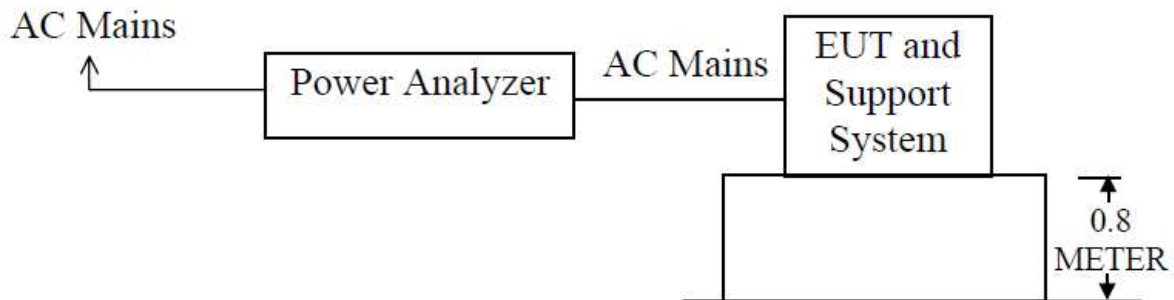


Clause 8.6 Flicker and Voltage Fluctuation

EUT Operating Mode

Normal operation mode

Block Diagram of Test Setup.



This test was performed as per EMC Basic Standard EN 61000-3-3

Results

Port	EUT Operating mode or operating mode no.	Result (Passed / Failed)
AC Input	Normal operation mode	N/A

Limits of Voltage Fluctuation and Flicks Measurement

Test Item	Limit	Note
P_{st}	1.0	Pst means short-term flicker indicator
P_{lt}	0.65	Plt means long-term flicker indicator
T_{dt} (ms)	200	Tdt means maximum time that dt exceeds 3%.
d_{max} (%)	4	Dmax means maximum relative voltage change.
dc (%)	3	Dc means relative steady-state voltage change.

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 21° C Humidity: 44% Atmospheric pressure: 103kPa

Note: The EUT is powered by batteries, so the test item is not applicable.



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Clause 9.2 Immunity Test – Radiated, RF Electromagnetic Field

According to EMC Basic Standard (EN 61000-4-3)

EUT Operation Mode: Normal operation mode

Type of Port: Enclosure

Performance Criterion: CT/CR

The distance between the turn-table axis and transmitting antenna is 3m.

Field strength = 3V/m

Start Frequency = 80MHz Stop Frequency = 1000MHz and

Start Frequency = 1400MHz Stop Frequency = 2700MHz

Frequency Step = 1% of the present frequency

The test signal is amplitude modulated to a depth of 80 % by a sinusoidal audio signal of 1000 Hz

Environmental conditions: Temperature: 21° C Humidity: 54% Atmospheric pressure: 103kPa

Results

Frequency (MHz)	Antenna Polarity	Radiation to	Reaction of the EUT During and after test	Result
80-1000, 1400-2700	Horizontal	Front	No reactions recognized	Pass
80-1000, 1400-2700	Vertical	Front	No reactions recognized	Pass
80-1000, 1400-2700	Horizontal	Rear	No reactions recognized	Pass
80-1000, 1400-2700	Vertical	Rear	No reactions recognized	Pass
80-1000, 1400-2700	Horizontal	Left	No reactions recognized	Pass
80-1000, 1400-2700	Vertical	Left	No reactions recognized	Pass
80-1000, 1400-2700	Horizontal	Right	No reactions recognized	Pass
80-1000, 1400-2700	Vertical	Right	No reactions recognized	Pass

Note: Performance criteria A observed.

Test Equipment

Please refer to Section 6 this report.

Test Procedure

The EUT and load, which are placed on a table that is 0.8 meter above ground, are placed with one coincident with the calibration plane so that the distance from antenna to the EUT was 3 meters.

Both horizontal and vertical polarization of the antenna and four sides of the EUT are set on measurement.

In order to judge the EUT performance, a CCD camera is used to monitor EUT .



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Clause 9.3 Electrostatic Discharge

According to EMC basic standard (EN61000-4-2)

EUT Operation Mode: Normal operation mode

Type of Port: Enclosure

Performance Criterion: TT/TR

For the table top EUT the distance to the reference ground plane should be 80 cm.

Direct contact discharge on conducting surfaces of EUT

Indirect air discharge on insulating surfaces of EUT

$\pm 2\text{kV}$, $\pm 4\text{kV}$ direct discharge & $\pm 2\text{kV}$, $\pm 4\text{kV}$, $\pm 8\text{kV}$ air discharge

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 21°C Humidity: 44% Atmospheric pressure: 103kPa

Test Results

Item	Contact Discharge to conducted surfaces and to coupling planes		Air Discharge at insulating surfaces	Result
	Direct Contact Discharge	Indirect Contact Discharge		
Test Voltage	Reaction of EUT	Reaction of EUT	Reaction of EUT	Pass/Fail
+2kV	n.r.r.	n.r.r.	n.r.r.	Pass
-2kV	n.r.r.	n.r.r.	n.r.r.	Pass
+4kV	n.r.r.	n.r.r.	n.r.r.	Pass
-4kV	n.r.r.	n.r.r.	n.r.r.	Pass
+8kV	N/A	N/A	n.r.r.	Pass
-8kV	N/A	N/A	n.r.r.	Pass

Remarks: n.r.r. = no reaction recognized

Note: N/A = not applicable.

Photo documentation of the test set-up



A – Air Discharge (enclosure)



C – Contact Discharge(output port and type C connector)



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Clause 9.4 Fast Transients, common mode

According to EMC basic standard (EN61000-4-4)

EUT Operation Mode: Normal operation mode

Type of Port: AC mains power port

Performance Criterion: TT/TR

For the table top EUT the distance to the reference ground plane should be 80 cm.

The test level for AC mains power input ports shall be 1KV open circuit.

Test Setup

The minimum distance between the EUT and all other conductive structures, except the ground reference plane shall be more than 0.5 m.

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 23° C Humidity: 53% Atmospheric pressure: 103kPa

Test Results

Line	Test Voltage	Inject Time(s)	Performance			Result
			Required	Observation(+)	Observation(-)	Pass/Fail
L	1kV	120	TT/TR	N/A	N/A	N/A
N	1kV	120	TT/TR	N/A	N/A	N/A
PE	1kV	120	TT/TR	N/A	N/A	N/A
L N	1kV	120	TT/TR	N/A	N/A	N/A
L PE	1kV	120	TT/TR	N/A	N/A	N/A
N PE	1kV	120	TT/TR	N/A	N/A	N/A
L N PE	1kV	120	TT/TR	N/A	N/A	N/A
Signal line						
Remark: Operation as intended, no loss of function was found during and after the test.						

N/A = not applicable.

Note: The EUT is powered by batteries, so the test item is not applicable.



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Clause 9.5 RF Common Mode

According to EMC basic standard (EN61000-4-6)

EUT Operation Mode: Normal operation mode

Type of Port: AC mains power input/output port

Performance Criterion: CT/CR

Start Frequency = 150KHz Stop Frequency = 80MHz

The step size is 1% of the preceding frequency value

The test signal is amplitude modulated to a depth of 80 % by a sinusoidal audio signal of 1000 Hz

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 24° C Humidity: 52% Atmospheric pressure: 103kPa

Test Setup

Injection via CDN or MIC clamp

Test Results

Injection On	Injection Via	Reaction of the EUT During and after test	Result
AC input power line/DC power port	CDN	--	N/A

Performance criteria A observed

Note: The EUT is powered by batteries, so the test item is not applicable.



Clause 9.6 Transients and Surges in the Vehicular Environment

The test method shall be in accordance with ISO 7637-2 for 12 V/24V DC powered equipment

EUT Operation Mode: Normal operation mode

Type of Port: DC power input port

Performance Criterion: CT/CR

Test Requirement:

a) Pulse 3a and 3b, level III, with the test time reduced to 20 min for each;

Pulse 4, level III, 10 pulses, with the characteristics as follows:

$V_s = -6.5V$; $V_a = -2,5 V$; $t_6 = 25 ms$; $t_7 = 20 ms$; $t_8 = 20ms$; $t_9 = 5 s$; $t_{10}=50ms$, $t_{11}=20ms$, pulse cycle time: 60 s

b) Pulse 1, level III: $t_1 = 2,5 s$; $t_2=200ms$, $t_3=50 \mu s$ 10 pulses;

Pulse 2, level III: $t_1 = 2,5 s$; 10 pulses;

Both a) and b) shall be done as the manufacturer does not require the radio equipment to have a direct connection to the 12 V and 24V main vehicle battery

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 23° C Humidity: 53% Atmospheric pressure: 103kPa

Test Result:

For 12V system

Test Pulse Number	Test Voltage	Test Level	Number of test pulses or test time	Reaction of EUT during and after Test	Test result
1	-75 V	III	10pulses	n.r.r- performance criteria A observed	N/A
2a	+37 V	III	10pulses	n.r.r- performance criteria A observed	N/A
2b	+10 V	III	10pulses	n.r.r- performance criteria A observed	N/A
3a	-112 V	III	20min	n.r.r- performance criteria A observed	N/A
3b	+75 V	III	20min	n.r.r- performance criteria A observed	N/A
4	-6 V	III	10pulses	n.r.r- performance criteria A observed	N/A



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For 24V system

Test Pulse Number	Test Voltage	Test Level	Number of test pulses or test time	Reaction of EUT during and after Test	Test result
1	-450 V	III	10pulses	n.r.r- performance criteria A observed	N/A
2a	+37 V	III	10pulses	n.r.r- performance criteria A observed	N/A
2b	+20 V	III	10pulses	n.r.r- performance criteria A observed	N/A
3a	-150 V	III	20min	n.r.r- performance criteria A observed	N/A
3b	+150 V	III	20min	n.r.r- performance criteria A observed	N/A
4	-12 V	III	10pulses	n.r.r- performance criteria A observed	N/A

Note1: N/A = not applicable.

Note2: The EUT is not vehicular equipment, so the test item is not applicable.



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Clause 9.7 Voltage Dips and Interruption

According to EMC basic standard (EN61000-4-11)

EUT Operation mode: Normal operation mode

Type of Port: AC mains power input port

Performance Criterion: TT/TR

For the table top EUT the distance to the reference ground plane should be 80 cm.

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 23° C Humidity: 53% Atmospheric pressure: 103kPa

Test Results

Voltage Dips

Terminal Supply Voltage	Start by Trigger Angle (AC)	Duration of Test Voltage	Test Voltage	Reaction of EUT during and after Test	Result
U_1		T_{U2}	U_2		
100% U_N : 230V	0°	10ms	0% U_N : 0V	n.r.r- performance criteria A observed	N/A
100% U_N : 230V	0°	20ms	0% U_N : 0V	n.r.r- performance criteria A observed	N/A
100% U_N : 230V	0°	500ms	70% U_N : 161V	n.r.r- performance criteria C observed	N/A
Voltage Interruption					
100% U_N : 230V	0°	5000ms	0% U_N : 0V	n.r.r- performance criteria C observed	N/A

n.r.r- no reaction recognised

Note: The EUT is powered by batteries, so the test item is not applicable.

**Clause 9.8 Surges Common & Differential Mode (1-phase)****According to EMC basic standard (EN61000-4-5)**

EUT operation mode: Normal operation mode

Type of Port: AC mains power input port

Performance Criterion: TT/TR

For the table top EUT the distance to the reference ground plane should be 80 cm.

1KV open circuit for common mode & 0.5KV open circuit for differential mode.

Test Equipment

Please refer to Section 6 this report.

Environmental conditions: Temperature: 21° C Humidity: 51% Atmospheric pressure: 103kPa

Test Results

For AC power ports five positive and five negative pulses each at 0°, 90° 180°, 270°.

Repetition rate is 1 min.

Test Voltage	Reaction of the EUT during and after the test				Result
	0°/pulse	90°/pulse	180°/pulse	270°/pulse	
-0.5kV	No reaction	No reaction	No reaction	No reaction	N/A
+0.5kV	Recognized	Recognized	Recognized	Recognized	
-1.0kV	No reaction	No reaction	No reaction	No reaction	N/A
+1.0kV	Recognized	Recognized	Recognized	Recognized	
-2.0Kv	No reaction	No reaction	No reaction	No reaction	N/A
+2.0kV	Recognized	Recognized	Recognized	Recognized	
- kV	N/A	N/A	N/A	N/A	N/A
+kV					

Note: The EUT is powered by batteries, so the test item is not applicable.

3. CE Mark label specification

Text of the mark is black or white in color and is left justified. Labels are printed in indelible ink on permanent adhesive backing and shall be affixed at a conspicuous location on the EUT or silk-screened onto the EUT.

Mark Location: side enclosure





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4. Photographs – Test Setup

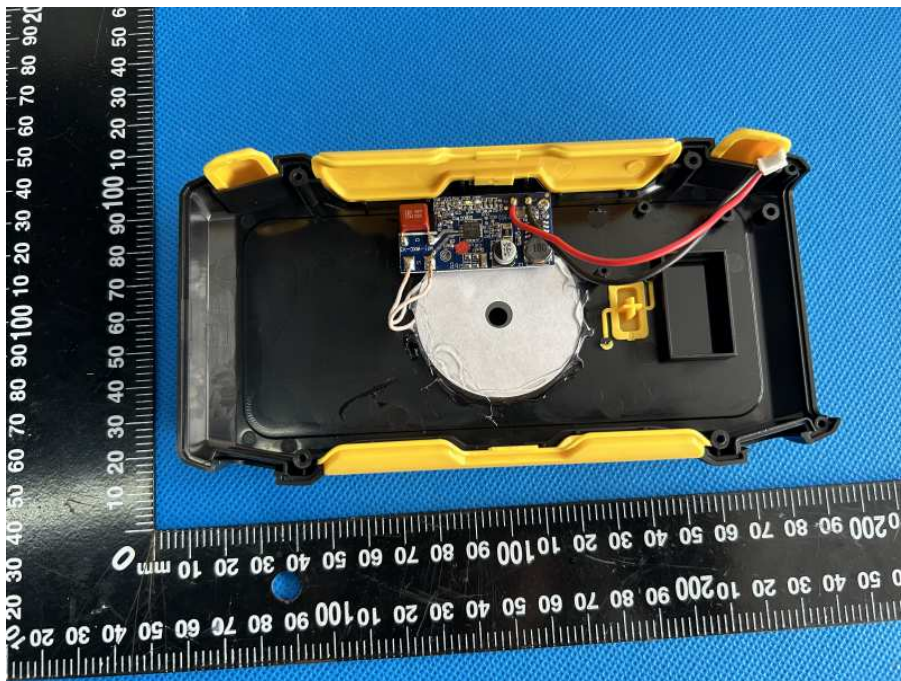
4.1 Photograph – Conducted Test Setup-- N/A

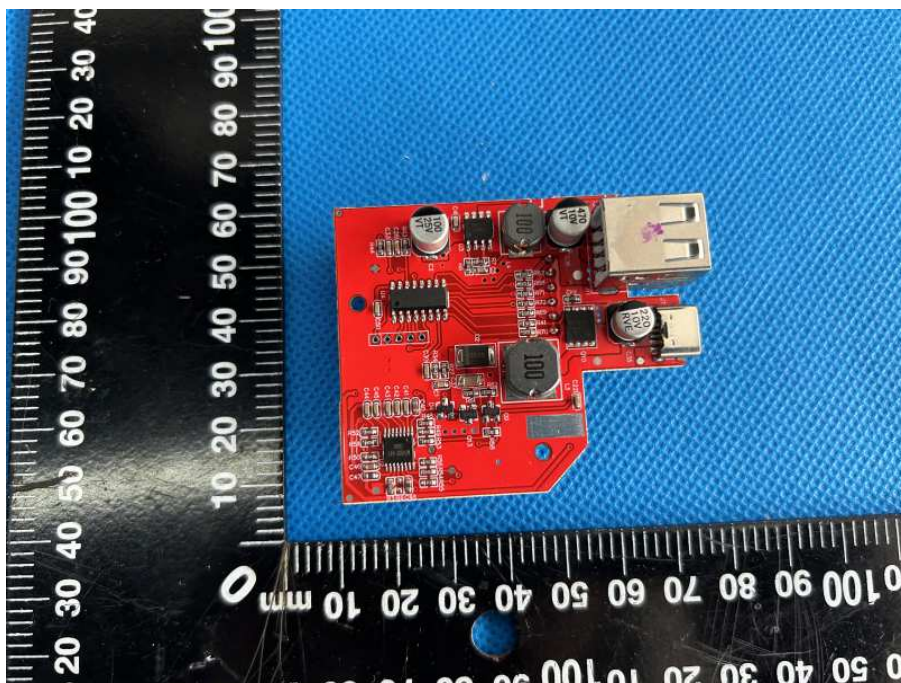
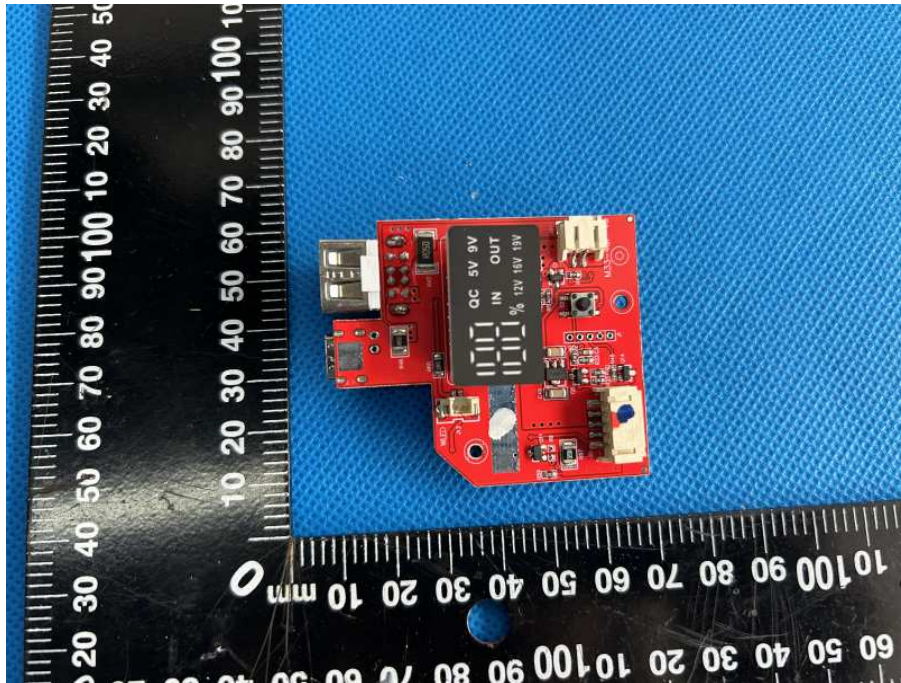
**4.2 Photograph –Radiated Emission Test Setup
N/A**

5.0 Photograph - EUT











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6.0	Test Equipments			
Instrument Type	Manufacturer	Model	Date of Cal.	Due Date
ESD Simulator	Schaffner	NSG 435	2023.08.11	2024.08.10
HCP	EZT	--	2023.08.11	2024.08.10
VCP	EZT	--	2023.08.11	2024.08.10
Signal Generator	R&S	SML03	2023.08.11	2024.08.10
Power meter	R&S	URVD	2023.08.11	2024.08.10
Power probe	R&S	URV5-Z4	2023.08.11	2024.08.10
Power Amplifier	KALMUS	7100C	2023.08.11	2024.08.10
Biconilog Antenna	EMCO	3142C	2023.08.11	2024.08.10

*****END OF REPORT*****