TEST REPORT

Application No.:	GZEM2505003438LM
Applicant:	Shenzhen Chengxing Electronic Technology Co.,Ltd.
Address of Applicant:	1405-07, Block A, Jiahe Building, Shennan Middle Road, Huaqiangbei Street, Futian District, Shenzhen, China
Manufacturer:	Shenzhen Chengxing Electronic Technology Co.,Ltd.
Address of Manufacturer:	1405-07, Block A, Jiahe Building, Shennan Middle Road, Huaqiangbei Street, Futian District, Shenzhen, China
Factory:	Shenzhen Chengxing Electronic Technology Co.,Ltd.
Address of Factory:	1405-07, Block A, Jiahe Building, Shennan Middle Road, Huaqiangbei Street, Futian District, Shenzhen, China
Product Name:	RGB LED STRIP LIGHTS
Model No.:	Refer to page 2.
Standard(s) :	47 CFR Part 15, Subpart B
Date of Receipt:	2025-05-29
Date of Test:	2025-06-05 to 2025-06-06
Date of Issue:	2025-06-30
Test Result:	

Jerry Chan
Manager

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Model No.: SF-30D5050RGB-WS2812B-IP20, SF-30D5050RGB-WS2812B-IP65, SF-30D5050RGB-WS2812B-IP67, SF-60D5050RGB-WS2812B-IP20, SF-60D5050RGB-WS2812B-IP65, SF-60D5050RGB-WS2812B-IP67, SF-96D5050RGB-WS2812B-IP20, SF-96D5050RGB-WS2812B-IP65, SF-96D5050RGB-WS2812B-IP67, SF-144D5050RGB-WS2812B-IP20, SF-144D5050RGB-WS2812B-IP65, SF-144D5050RGB-WS2812B-IP67, SF-30D5050RGB-WS2815B-IP20, SF-30D5050RGB-WS2815B-IP65, SF-30D5050RGB-WS2815B-IP67, SF-60D5050RGB-WS2815B-IP20, SF-60D5050RGB-WS2815B-IP65, SF-60D5050RGB-WS2815B-IP67, SF-96D5050RGB-WS2815B-IP20, SF-96D5050RGB-WS2815B-IP65, SF-96D5050RGB-WS2815B-IP67, SF-144D5050RGB-WS2815B-IP20, SF-144D5050RGB-WS2815B-IP65, SF-144D5050RGB-WS2815B-IP67, SF-60D2020RGB-WS2812B-IP20, SF-60D2020RGB-WS2812B-IP65, SF-60D2020RGB-WS2812B-IP67, SF-120D2020RGB-WS2812B-IP20, SF-120D2020RGB-WS2812B-IP65, SF-120D2020RGB-WS2812B-IP67, SF-160D2020RGB-WS2812B-IP20, SF-160D2020RGB-WS2812B-IP65, SF-160D2020RGB-WS2812B-IP67, SF-60D3535RGB-WS2812B-IP20, SF-60D3535RGB-WS2812B-IP65, SF-60D3535RGB-WS2812B-IP67, SF-96D3535RGB-WS2812B-IP20, SF-96D3535RGB-WS2812B-IP65, SF-96D3535RGB-WS2812B-IP67, SF-144D3535RGB-WS2812B-IP20, SF-144D3535RGB-WS2812B-IP65, SF-144D3535RGB-WS2812B-IP67, SF-60D4020RGB-WS2812B-IP20, SF-60D4020RGB-WS2812B-IP65, SF-60D4020RGB-WS2812B-IP67, SF-100D4020RGB-WS2812B-IP20, SF-100D4020RGB-WS2812B-IP65, SF-100D4020RGB-WS2812B-IP67, SF-144D4020RGB-WS2812B-IP20, SF-144D4020RGB-WS2812B-IP65, SF-144D4020RGB-WS2812B-IP67, SF-60D4020RGB-SK6812-IP20, SF-60D4020RGB-SK6812-IP65, SF-60D4020RGB-SK6812-IP67, SF-100D4020RGB-SK6812-IP20, SF-100D4020RGB-SK6812-IP65, SF-100D4020RGB-SK6812-IP67, SF-144D4020RGB-SK6812-IP20, SF-144D4020RGB-SK6812-IP65, SF-144D4020RGB-SK6812-IP67

Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.

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2 Test Summary

Emission Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4-2014	15.107(a);Class B	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.4-2014	15.109(a);Class B	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

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Model No.: SF-30D5050RGB-WS2812B-IP20, SF-30D5050RGB-WS2812B-IP65, SF-30D5050RGB-WS2812B-IP67, SF-60D5050RGB-WS2812B-IP20, SF-60D5050RGB-WS2812B-IP65, SF-60D5050RGB-WS2812B-IP67, SF-96D5050RGB-WS2812B-IP20, SF-96D5050RGB-WS2812B-IP65, SF-96D5050RGB-WS2812B-IP67, SF-144D5050RGB-WS2812B-IP20, SF-144D5050RGB-WS2812B-IP65, SF-144D5050RGB-WS2812B-IP67, SF-30D5050RGB-WS2815B-IP20, SF-30D5050RGB-WS2815B-IP65, SF-30D5050RGB-WS2815B-IP67, SF-60D5050RGB-WS2815B-IP20, SF-60D5050RGB-WS2815B-IP65, SF-60D5050RGB-WS2815B-IP67, SF-96D5050RGB-WS2815B-IP20, SF-96D5050RGB-WS2815B-IP65, SF-96D5050RGB-WS2815B-IP67, SF-144D5050RGB-WS2815B-IP20, SF-144D5050RGB-WS2815B-IP65, SF-144D5050RGB-WS2815B-IP67, SF-60D2020RGB-WS2812B-IP20, SF-60D2020RGB-WS2812B-IP65, SF-60D2020RGB-WS2812B-IP67, SF-120D2020RGB-WS2812B-IP20, SF-120D2020RGB-WS2812B-IP65, SF-120D2020RGB-WS2812B-IP67, SF-160D2020RGB-WS2812B-IP20, SF-160D2020RGB-WS2812B-IP65, SF-160D2020RGB-WS2812B-IP67, SF-60D3535RGB-WS2812B-IP20, SF-60D3535RGB-WS2812B-IP65, SF-60D3535RGB-WS2812B-IP67, SF-96D3535RGB-WS2812B-IP20, SF-96D3535RGB-WS2812B-IP65, SF-96D3535RGB-WS2812B-IP67, SF-144D3535RGB-WS2812B-IP20, SF-144D3535RGB-WS2812B-IP65, SF-144D3535RGB-WS2812B-IP67, SF-60D4020RGB-WS2812B-IP20, SF-60D4020RGB-WS2812B-IP65, SF-60D4020RGB-WS2812B-IP67, SF-100D4020RGB-WS2812B-IP20, SF-100D4020RGB-WS2812B-IP65, SF-100D4020RGB-WS2812B-IP67, SF-144D4020RGB-WS2812B-IP20, SF-144D4020RGB-WS2812B-IP65, SF-144D4020RGB-WS2812B-IP67, SF-60D4020RGB-SK6812-IP20, SF-60D4020RGB-SK6812-IP65, SF-60D4020RGB-SK6812-IP67, SF-100D4020RGB-SK6812-IP20, SF-100D4020RGB-SK6812-IP65, SF-100D4020RGB-SK6812-IP67, SF-144D4020RGB-SK6812-IP20, SF-144D4020RGB-SK6812-IP65, SF-144D4020RGB-SK6812-IP67

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference being the model name, rated power, circuit board width, LED quantity, outer decoration and color.

Model SF-60D5050RGB-WS2812B-IP20 is the max power.

Only the model **SF-60D5050RGB-WS2812B-IP20** was tested.

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SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,

No.198, [illegible]., Guangzhou

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5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Coaxial Cable	HangTianXing	2m	EMC0107	2023-08-24	2025-08-23

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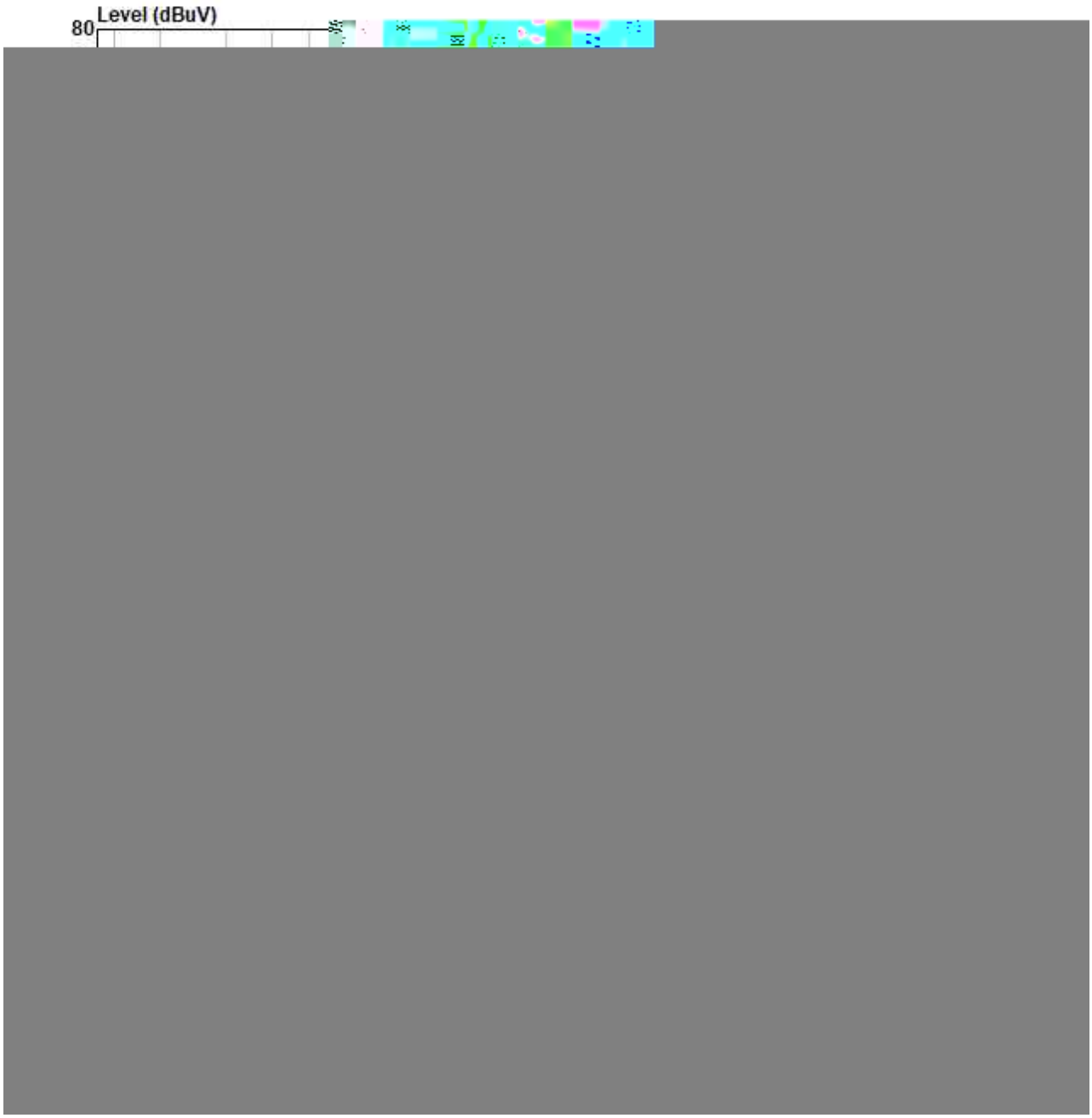
Test Mode: 00; Line: Neutral Line



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6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

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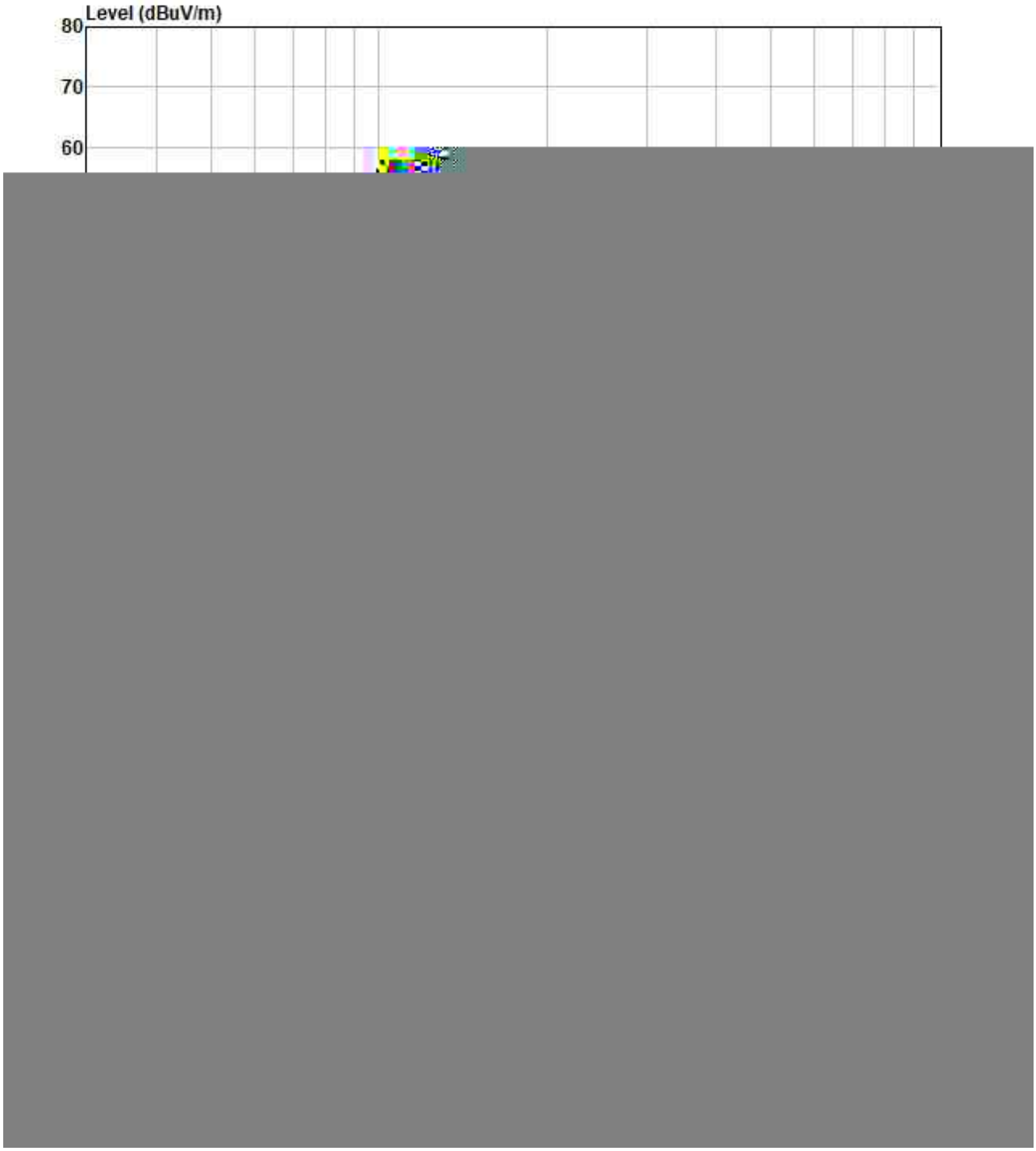
Test Mode: 00; Polarity: Horizontal



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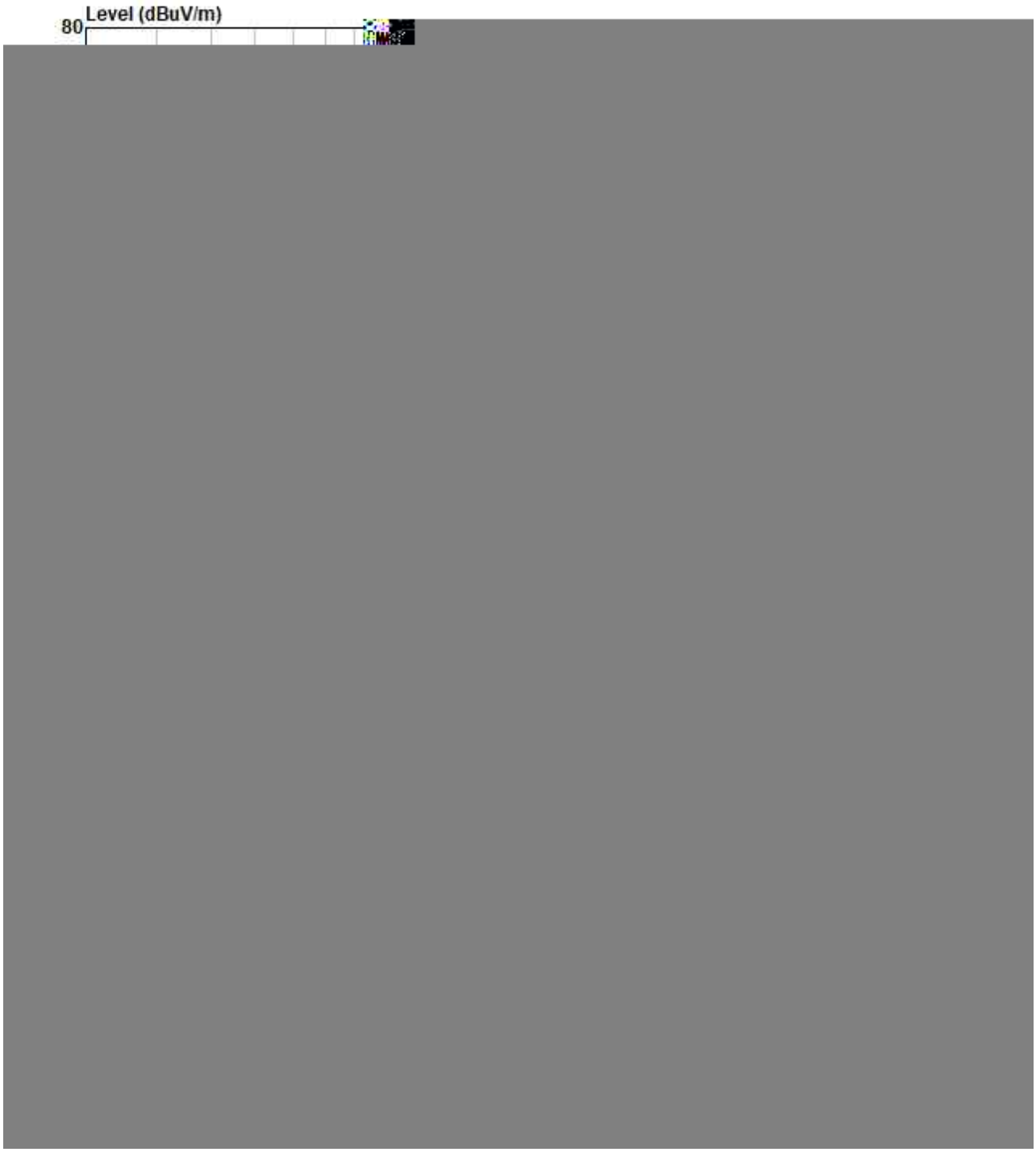
Test Mode: 00; Polarity: Vertical



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7 Test Setup Photo

Conducted Emissions at Mains Terminals (150kHz-30MHz)

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Radiated Emissions (30MHz-1GHz)

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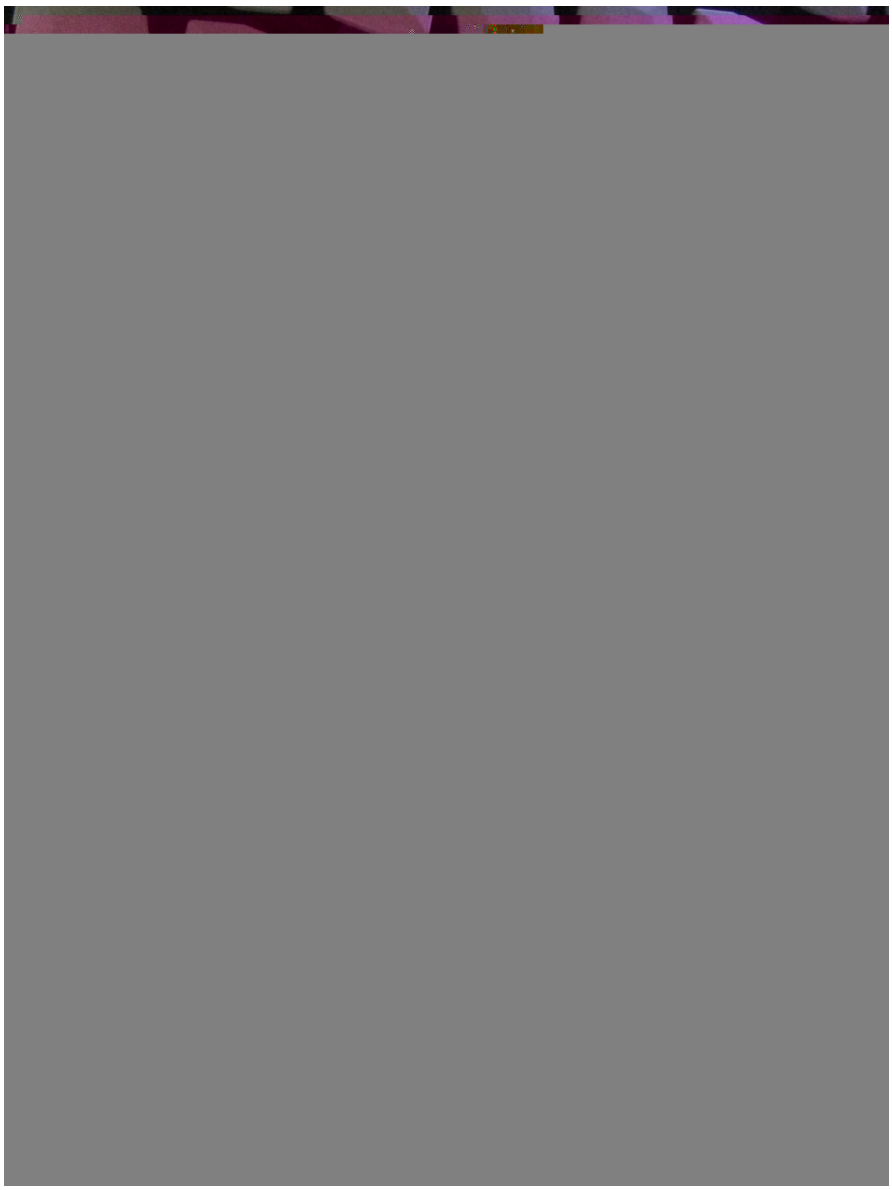

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8 EUT Constructional Details (EUT Photos)

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- End of the Report -

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