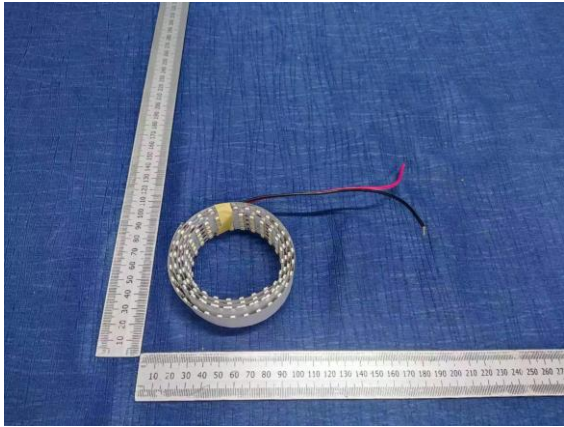


Prüfbericht-Nr.: <i>Test Report No.:</i>	CN25LP40 001	Auftrags-Nr.: <i>Order No.:</i>	168568615	Seite 1 von 23 <i>Page 1 of 23</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	2420312	Auftragsdatum: <i>Order date.:</i>	2025-08-06	
Auftraggeber: <i>Client:</i>	SHENZHEN LEDYI LIGHTING CO., LTD. 8th Floor, Skyworth Digital Building, Songbai Road, Shiyan, Bao'an District, Shenzhen, 518105 Guangdong P.R. China			
Prüfgegenstand: <i>Test item:</i>	Flexible LED Strip			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	LY-STxQyVz-Z (x, y, z and Z are variables, refer to section 3.1 for details)			
Auftrags-Inhalt: <i>Order content:</i>	TÜV Rheinland - EMC service			
Prüfgrundlage: <i>Test specification:</i>	EN IEC 55015:2019+A11:2020 EN IEC 61547:2023			
Wareneingangsdatum: <i>Date of receipt:</i>	2023-07-17			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A003516620-001			
Prüfzeitraum: <i>Testing period:</i>	Refer to test report			
Ort der Prüfung: <i>Place of testing:</i>	Refer to section 2.1			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i> Chris Mo	genehmigt von: <i>authorized by:</i> Tiger Su			
Datum: <i>Date:</i> 2025-08-21	Ausstellungsdatum: <i>Issue date:</i> 2025-08-21			
Stellung / Position:	Project Engineer	Stellung / Position:	Authorizer	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Prüfbericht - Nr.: <i>Test Report No.</i>	CN25LP40 001	Seite 2 von 23 <i>Page 2 of 23</i>
Anmerkungen <i>Remarks</i>		
1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system.</i> <i>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>	
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>	
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>	

TEST SUMMARY

5.1.1 DISTURBANCE VOLTAGE AT LOCAL WIRED PORT*RESULT: Pass***5.1.2 RADIATED ELECTROMAGNETIC DISTURBANCES***RESULT: Pass***5.2.1 RADIATED ELECTROMAGNETIC DISTURBANCES***RESULT: Pass***6.2.1 RADIO-FREQUENCY ELECTROMAGNETIC FIELD (RS)***RESULT: Pass***6.2.2 INJECTED CURRENTS / CONDUCTED SUSCEPTIBILITY (CS)***RESULT: Pass***6.3.1 ELECTRICAL FAST TRANSIENTS (EFT)***RESULT: Pass***6.3.2 ELECTROSTATIC DISCHARGES (ESD)***RESULT: Pass*

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

Appendix 2: Measurement Uncertainties

(Remark: The model no. shown on the appendix 1 – test results is 'SK-ST3Q480V24-c5', but the final version of this model no. is changed to 'LY-ST3Q480V24-c5' by the client.)

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd. EMC Testing Center
No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P.R. China

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Radiated Electromagnetic Disturbances (30-1000MHz) (TÜV)				
10m SAC	ETS-Lindgren	SAC10	CT001632-Q1399	2024-03-01
EMI Test Receiver 1	R&S	ESR7	102022	2023-07-31
Bilog Antenna 1	TESEQ	CBL6112D	51321	2023-08-23
Preamplifier 1 (30-1000MHz)	SCHWARZBECK	BBV9745	115	2023-08-01
EMC32 test software	R&S	EMC32(Ver.10.50.0 0)	N/A	N/A
Radiated Electromagnetic Disturbances (9kHz-30MHz)(TÜV)				
EMI Test Receiver	R&S	ESR3	102428	2023-07-31
Triple Loop Antena	R&S	HM020E	101119	2023-07-31
EMC32 test software	R&S	EMC32(Ver.10.50.0 0)	N/A	N/A
Disturbance Voltage(TÜV)				
EMI Test Receiver	R&S	ESR3	102428	2023-07-31
Artificial Mains Network	R&S	ENV216	102333	2023-08-01
Voltage Probe	R&S	ESH2-Z3	100557	2023-08-01
EMC32 test software	R&S	EMC32(Ver.10.50.0 0)	N/A	N/A
Radio Frequency Electromagnetic Field (TÜV)				
3m FAC	ETS-Lindgren	FAC3	CT001632-Q1360	2024-04-26
Signal Generator	R&S	SMB100A	115183	2023-07-31
Power Amplifier	R&S	BBA150-BC250	103102	2023-08-01
Power Amplifier	R&S	BBA150-D110E100	103117	2023-08-01
NRP6AN Average power sensor	R&S	NRP6AN	101161	2023-08-01
NRP6AN Average power sensor	R&S	NRP6AN	101162	2023-08-01
Stacked double Log.-Per. Antenna	SCHWARZBECK	STLP 9128E	0153	2023-12-30
Stacked Log.-Per. Antenna	SCHWARZBECK	STLP 9149	00520	2023-12-30
Laser Probe Interface	rf/microwave	FI7000	0351048	2023-08-08
Electric Field Probe Kit	rf/microwave	FL7006/KIT	0350352/0351122	2023-08-08

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Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
EMC32 test software	R&S	EMC32(Ver.10.30.01)	N/A	N/A
Radio-Frequency Continuous Conducted (TÜV)				
Conducted Immunity Test System	Teseq	NSG 4070	51350	2023-08-01
6 dB Attenuator	Teseq	100W6dB	/	2023-08-01
COUPLING AND DECOUPLING NETWORK	Teseq	CDN M016	51055	2023-08-01
EFT (TÜV)				
EFT/Surge/Voltage Dips & Interruption Main test unit	EMTest	compact NX5 bspt-1-300-16	P1807214329	2023-07-31
Variac	EMTest	Variac NX-1-260-16	P1828221789	2023-07-31
ESD (TÜV)				
ESD Tester	TESEQ	NSG-437	1282	2023-08-02

3. General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is Flexible LED Strip for illumination purpose.

Model No.: LY-STxQyVz-Z

Details of variables:

- 1) "LY" represents company series number.
- 2) Second "S" represents LED Strip.
- 3) "Tx" represents the type of LED chips,

x: Can be 1, 2, 3...28, 1=type 3030, 2=type 2835, 3=type 3528, 4=type 3014, 5=type 5050, 6=type 5630, 7=type 2216, 8=type 2323, 9=type 3020, 10=type 020, 11=type 2016, 12=type 335, 13=type 3535, 14=type 4014, 15=type 5730, 16=type 4040, 17=type 1808, 18=type 3838, 19=type 6060, 20=type COB, 21=type 2110, 22=type 2010, 23=type 2219, 24=type 0402, 25=type 0502, 26=type 1313, 27=type 1515, 28=type 2121.

- 4) "Qy" represents quantities of LED chips,

y: Can be 1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 14, 16, 17, 18, 20, 21, 22, 24, 25, 26, 28, 30, 32, 34, 35, 36, 37, 38, 39, 40, 42, 48, 50, 54, 56, 60, 68, 70, 72, 80, 84, 88, 90, 96, 99, 104, 112, 120, 126, 128, 140, 144, 150, 156, 160, 168, 174, 180, 182, 192, 196, 198, 200, 204, 210, 224, 228, 240, 280, 288, 300, 320, 322, 352, 360, 392, 420, 480, 512, 546, 560, 576, 588, 600, 640, 693, 700, 702, 720, 768, 784, 800, 810, 820, 828, 840, 846, 896, 960, 1120, 1200, 1400, 1920.

- 5) "Vz" represents input voltage,

z: Can be 3, 3.2, 3.7, 4.5, 5, 6, 9, 12, 24, 28, 36, 48.

- 6) "Z" represents some special features of led strip,

Z: Can be be a letter or the combination of a letter and a number, a=The LED strip can adjust the color temperature, c=The LED strip is with functions of constantcurrent, c1=Red, c2=Green, c3=Blue, c4=Yellow, c5=White, c6=Warm White, c7 =Natural White, c8=RGB, c9=RGBW, c10=RGBCW, c11=means Pink, c12=Orange, c13=Violet.

Remark: The maximum power is 38W/m.

For more information refer to the schematic diagram.

3.2 Ratings and System Details

System input voltage: Refer to section 3.1

Frequency: --

Protection class: III

3.3 Independent Operation Modes

The basic operation modes are:

- A. On.
- B. Off.

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Schematic Diagram.

3.5 Submitted Documents

- Schematic diagram

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipments under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Immunity: The equipments under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in section 5 & 6. According to the product characteristics and the description indicated in section 3.1, tests were applied to typical model LY-ST3Q480V24-c5 which is 38W/m.

4.3 Special Accessories and Auxiliary Equipment

None.

4.4 Countermeasures to achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Disturbance Voltage at Local Wired Port

RESULT:**Pass**

Date of testing	:	Refer to Appendix 1
Test standard	:	EN IEC 55015:2019+A11:2020
Frequency range	:	0.15 - 30MHz
Limits	:	Table 5
Kind of test site	:	Shielded room

Test setup

Input Voltage	:	DC 24V
Operation Condition	:	According to Clause 7 & A.3
Operation mode	:	A
Earthing	:	Not connected

Detailed test data refer to attached Appendix 1.

5.1.2 Radiated Electromagnetic Disturbances

RESULT:**Pass**

Date of testing	:	Refer to Appendix 1
Test standard	:	EN IEC 55015:2019+A11:2020
Frequency range	:	0.009 – 30MHz
Limits	:	Table 8
Kind of test site	:	Shielded room

Test setup

Input Voltage	:	DC 24V
Operation Condition	:	According to Clause 7 & A.3
Operation mode	:	A
Earthing	:	Not connected

Detailed test data refer to attached Appendix 1.

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Electromagnetic Disturbances

RESULT:**Pass**

Date of testing	:	Refer to Appendix 1
Test standard	:	EN IEC 55015:2019+A11:2020
Frequency range	:	30 – 1000MHz
Limits	:	Table 10
Kind of test site	:	10m semi-anechoic chamber

Test setup:

Input Voltage	:	DC 24V
Operation Condition	:	According to Clause 7 & A.3
Operation mode	:	A
Earthing	:	Not connected

Detailed test data refer to attached Appendix 1.

6. Test Results IMMUNITY

6.1 Classification of apparatus

According to EN IEC 61547:2023, the EUTs belong to luminaires, and shall be tested in accordance with clause 5 and comply with the performance criterion of table 15.

Continuous Disturbance

Radio-Frequency Electromagnetic Fields (RS)	Criterion A
Injected Currents	Criterion A
Power Frequency Magnetic Fields *	Criterion A

Transient Disturbance

Fast Transient (EFT)	Criterion B
Electrostatic Discharges (ESD)	Criterion B

Remark:

* Power Frequency Magnetic Fields is not applicable, since the EUTs do not contain any components susceptible to magnetic fields.

6.2 Continuous Disturbances

6.2.1 Radio-Frequency Electromagnetic Field (RS)

RESULT:**Pass**

Date of Testing : 2023-07-21
Test Specification : EN IEC 61547:2023, Table 2
Basic Standard : IEC 61000-4-3:2006+A1+A2
Criterion : A
Frequency Range : 80 – 1,000MHz
Test Level : 3V/m (Unmodulated, rms)
Modulation : 80% AM, 1kHz

Test setup

Input Voltage : DC 24V
Operation Mode : A
Earthing : Not connected
Ambient Temperature : 24.0°C
Relative Humidity : 52.2%
Atmospheric Pressure : 101kPa

Test Result

Frequency Range	Polarization	Test Level (Unmodulated, rms)	Performance Criterion	Location	Result
80MHz to 1000MHz	Horizontal and Vertical	3V/m (rms)	A	Front/Rear/Left/Right	Pass

Remark: Operating as intended, no degradation detected during and after testing.

6.2.2 Injected Currents / Conducted Susceptibility (CS)

RESULT:

Pass

Date of testing : 2023-07-21
Test Specification : EN IEC 61547:2023, Table 8
Basic Standard : IEC 61000-4-6:2013
Criterion : A
Frequency range : 0.15 – 80MHz
Source impedance : 150Ω
Test level : Level 2 (3V) (unmodulated, rms.)
Modulation : AM 80%, 1kHz sine-wave
Sweep mode : automatic
Sweep rate : $< 1.5 \times 10^{-3}$ decade / sec.

Test setup

Input Voltage : DC 24V
Operation Mode : A
Earthing : Not connected
Ambient temperature : 23.8°C
Relative humidity : 53.6%
Atmospheric pressure : 101kPa

Test Result

Ports	Cable Type	Coupling Network	Frequency Range	Test Level	Criterion	Description	Conclusion
DC Input	Unshielded	CDN M2	150kHz-80MHz	3V (rms)	A	Operating as intended, no degradation detected during and after testing	Pass

6.3 Transient Disturbances

6.3.1 Electrical Fast Transients (EFT)

RESULT:
Pass

Date of testing : 2023-07-21
 Test Specification : EN IEC 61547:2023, Table 5
 Basic Standard : IEC 61000-4-4:2012
 Criterion : B
 Test level : $\pm 0.5\text{kV}$
 Test duration : $\geq 120\text{sec}$
 Rise time : 5/50ns
 Repetition frequency : 5 kHz

Test setup

Input Voltage : DC 24V
 Operation Mode : A
 Earthing : Not connected
 Ambient temperature : 23.9°C
 Relative humidity : 53.8%
 Atmospheric pressure : 101kPa

Test Result

Applicable	Coupling	Polarity	Voltage	Result
☒	DC input	+	☐ 1 kV	☒ Pass ☐ Fail
		-	☒ 0.5 kV ☐	☒ Pass ☐ Fail
Remark: Operating as intended, no failure detected				

6.3.2 Electrostatic Discharges (ESD)

RESULT:**Pass**

Date of testing : 2023-07-21
Test Specification : EN IEC 61547:2023, Table 1
Basic Standard : IEC 61000-4-2:2008
Criterion : B
Charge voltage : $\pm 2\text{kV}$, $\pm 4\text{kV}$, $\pm 8\text{kV}$ (air discharge)
 $\pm 4\text{kV}$ (contact discharge)
Number of discharges : >10

Test Setup

Input Voltage : DC 24V
Operation Mode : A
Earthing : Not connected
Ambient temperature : 23.6°C
Relative humidity : 52.8%
Atmospheric pressure : 101kPa

Test Result

Test Point	Test Mode	Test Level (kV)	Performance Criterion	Description	Result
VCP	C	± 4	B	No failure detected	Pass
HCP	C	± 4	B	No failure detected	Pass
Non-Conducted Enclosure	A	± 2 , ± 4 , ± 8	B	No failure detected	Pass

Note: A-Air discharge; C- Contact Discharge; VCP- Vertical Coupling Plane; HCP- Horizontal Coupling Plane

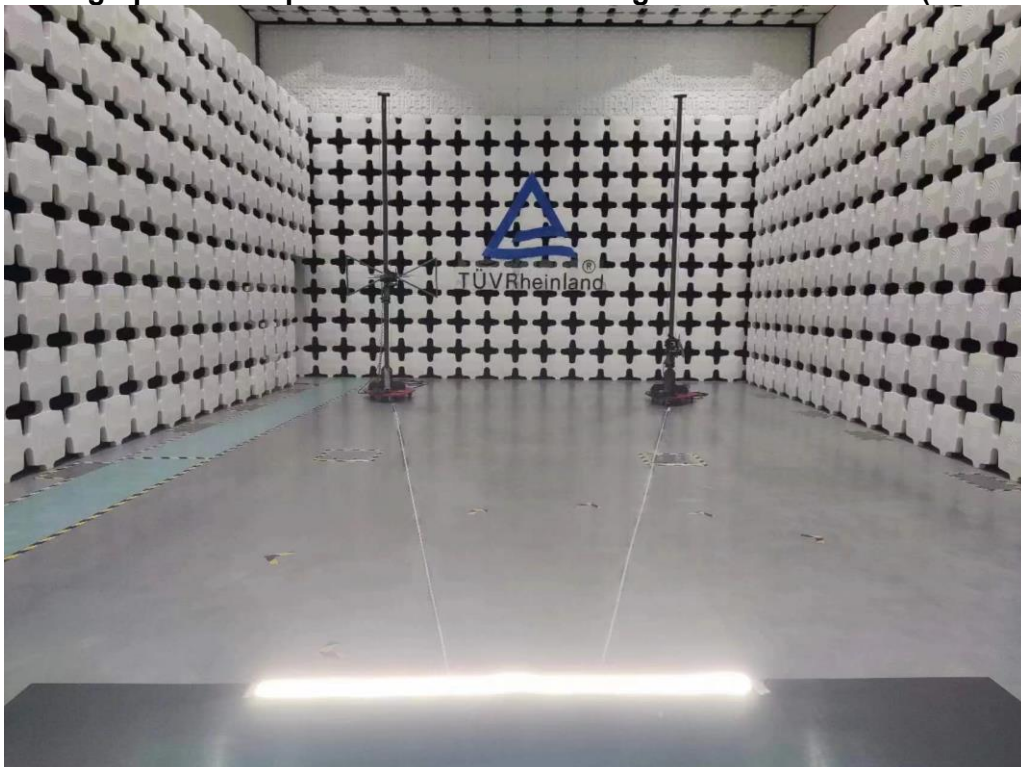
Remark: Due to description of client, LED strip is used in the installation tank, and ensure those points and surfaces of the EUT which are not accessible to persons during normal use. Hence direct application of discharges to the EUT is exempt actually.

7. Photographs of the Test Set-Up

Photograph 1: Set-up for Radiated Electromagnetic Disturbances (9kHz-30MHz)



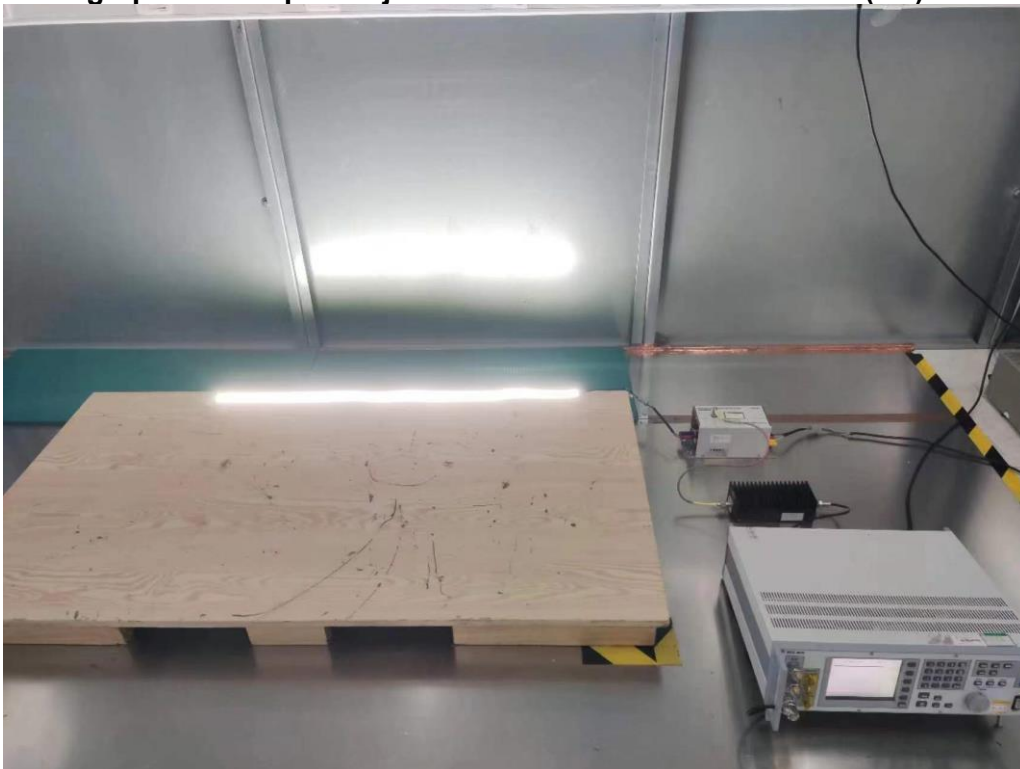
Photograph 2: Set-up for Radiated Electromagnetic Disturbances (30MHz-1000MHz)



Photograph 3: Set-up for Disturbance Voltage



Photograph 4: Set-up for Injected Currents on DC Power Port (CS)



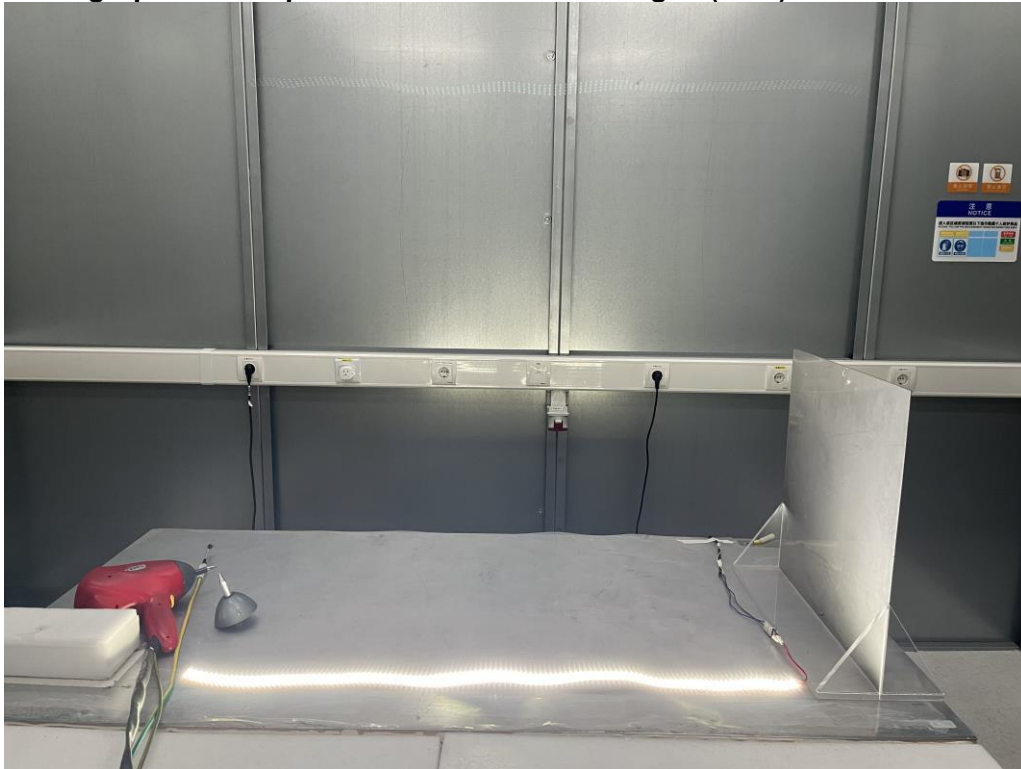
Photograph 5: Set-up for Radio-Frequency Electromagnetic Field (RS)



Photograph 6: Set-up for EFT on DC Power Port



Photograph 7: Set-up for Electrostatic Discharges (ESD)



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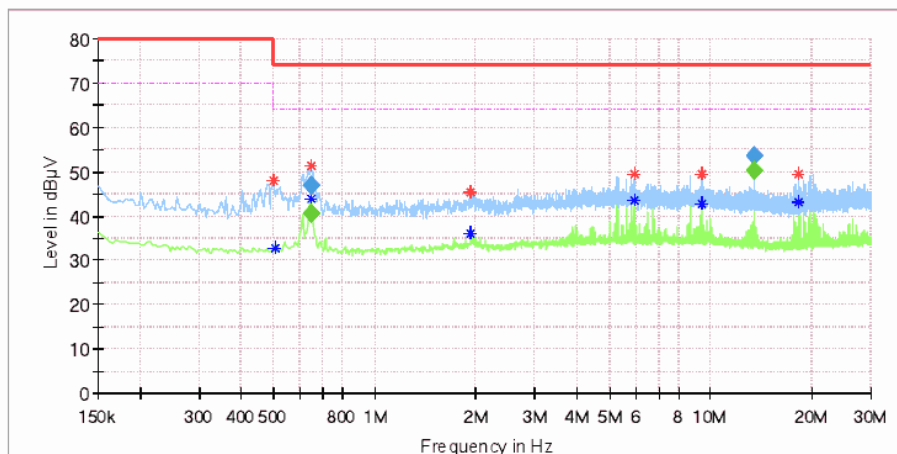
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Test Report

EUT Information

EUT Name:	Flexible LED Strip
Order Number:	168434756 10
Model:	SK-ST3Q480V24-c5
Test Mode:	ON
Test Voltage:	DC 24V
Test Standard:	EN 55015
Test By./Review By:	Guangshen Cen/Gary Chen
Tem./Hum./Pressure:	24.3°C/51.8%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Corr. (dB)
0.498000	48.12	---	80.00	31.88	29.3
0.506000	---	32.74	64.00	31.26	29.3
0.646000	---	43.79	64.00	20.21	29.4
0.646000	51.36	---	74.00	22.64	29.4
1.934000	45.54	---	74.00	28.46	29.4
1.934000	---	36.02	64.00	27.98	29.4
5.910000	49.47	---	74.00	24.53	29.4
5.910000	---	43.46	64.00	20.54	29.4
9.390000	---	42.74	64.00	21.26	29.3
9.390000	49.45	---	74.00	24.55	29.3
18.242000	---	43.10	64.00	20.90	29.4
18.242000	49.52	---	74.00	24.48	29.4

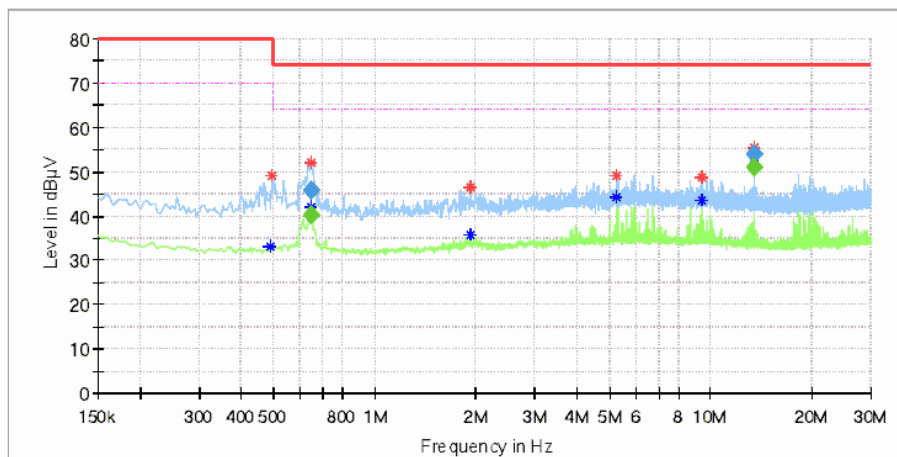
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)
0.646000	---	40.38	64.00	23.62	1000.0	9.000	29.4
0.646000	46.92	---	74.00	27.08	1000.0	9.000	29.4
13.558000	---	50.19	64.00	13.81	1000.0	9.000	29.2
13.562000	53.68	---	74.00	20.32	1000.0	9.000	29.2

Test Report

EUT Information

EUT Name:	Flexible LED Strip
Order Number:	168434756 10
Model:	SK-ST3Q480V24-c5
Test Mode:	ON
Test Voltage:	DC 24V
Test Standard:	EN 55015
Test By./Review By:	Guangshen Cen/Gary Chen
Tem./Hum./Pressure:	24.3°C/51.8%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Corr. (dB)
0.490000	---	33.02	70.00	36.98	29.3
0.494000	49.13	---	80.00	30.87	29.3
0.646000	---	42.15	64.00	21.85	29.4
0.650000	51.99	---	74.00	22.01	29.4
1.930000	46.41	---	74.00	27.59	29.4
1.934000	---	35.61	64.00	28.39	29.4
5.238000	---	44.39	64.00	19.61	29.4
5.238000	49.24	---	74.00	24.76	29.4
9.390000	---	43.54	64.00	20.46	29.3
9.390000	48.72	---	74.00	25.28	29.3
13.562000	---	51.90	64.00	12.10	29.2
13.562000	55.28	---	74.00	18.72	29.2

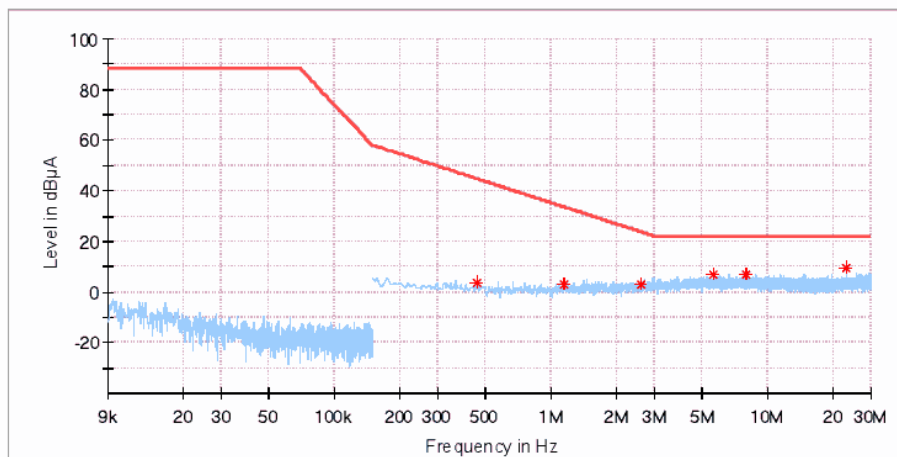
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB)
0.646000	---	40.01	64.00	23.99	1000.0	9.000	29.4
0.650000	45.92	---	74.00	28.08	1000.0	9.000	29.4
13.562000	---	51.10	64.00	12.90	1000.0	9.000	29.2
13.562000	53.86	---	74.00	20.14	1000.0	9.000	29.2

EMC32 Report

EUT Information

EUT Name:	Flexible LED Strip
Order Number:	168434756 10
Model:	SK-ST3Q480V24-c5
Test Mode:	ON
Test Voltage:	DC 24V
Test Standard:	EN 55015
Test By./Review By:	Guangshen Cen/Gary Chen
Tem./Hum./Pressure:	24.3°C/51.8%/101kPa
Remark:	SR1



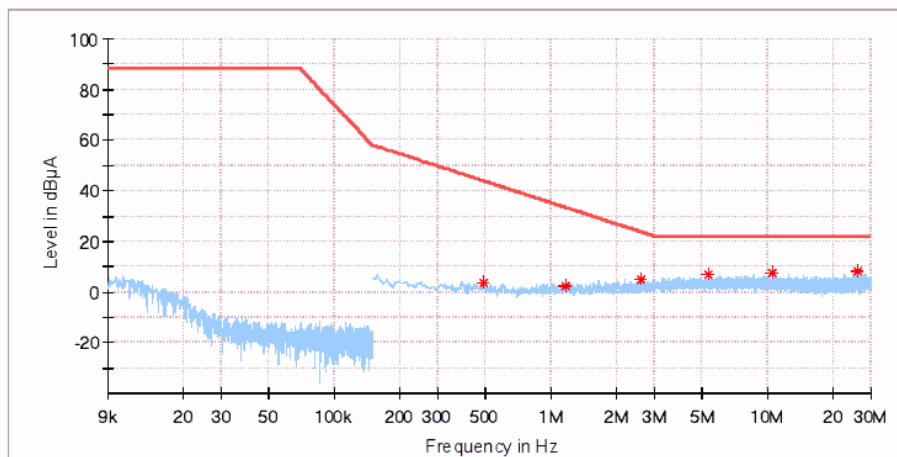
Critical Freqs

Frequency (MHz)	MaxPeak (dBµA)	Limit (dBµA)	Margin (dB)	Axis	Corr. (dB)
0.458000	3.83	44.59	40.76	X	0.0
1.156000	3.24	33.46	30.22	X	0.0
2.608000	3.19	23.68	20.49	X	0.1
5.652000	6.72	22.00	15.28	X	0.1
7.952000	7.06	22.00	14.94	X	0.1
23.156000	9.72	22.00	12.28	X	0.3

EMC32 Report

EUT Information

EUT Name:	Flexible LED Strip
Order Number:	168434756 10
Model:	SK-ST3Q480V24-c5
Test Mode:	ON
Test Voltage:	DC 24V
Test Standard:	EN 55015
Test By./Review By:	Guangshen Cen/Gary Chen
Tem./Hum./Pressure:	24.3°C/51.8%/101kPa
Remark:	SR1



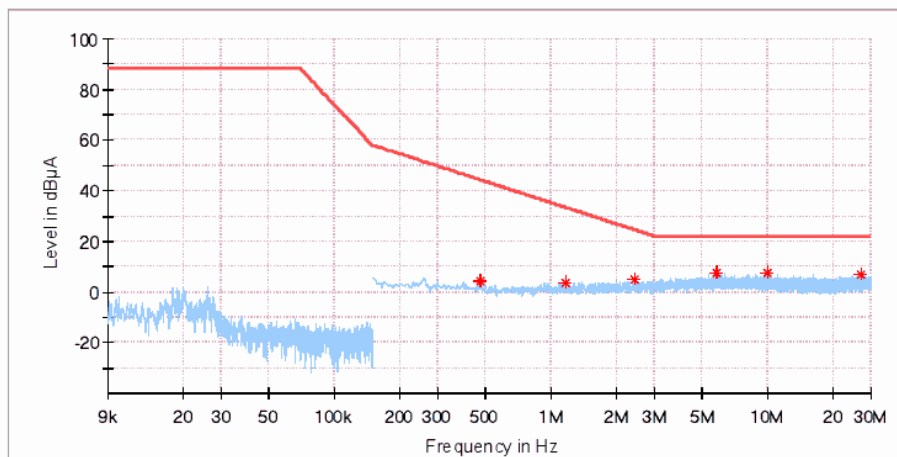
Critical Freqs

Frequency (MHz)	MaxPeak (dBµA)	Limit (dBµA)	Margin (dB)	Axis	Corr. (dB)
0.490000	3.73	43.78	40.04	Y	0.0
1.164000	2.31	33.38	31.07	Y	0.0
2.612000	4.67	23.66	19.00	Y	0.0
5.308000	6.58	22.00	15.42	Y	0.0
10.520000	7.62	22.00	14.38	Y	0.0
26.152000	8.50	22.00	13.50	Y	0.0

EMC32 Report

EUT Information

EUT Name:	Flexible LED Strip
Order Number:	168434756 10
Model:	SK-ST3Q480V24-c5
Test Mode:	ON
Test Voltage:	DC 24V
Test Standard:	EN 55015
Test By./Review By:	Guangshen Cen/Gary Chen
Tem./Hum./Pressure:	24.3°C/51.8%/101kPa
Remark:	SR1



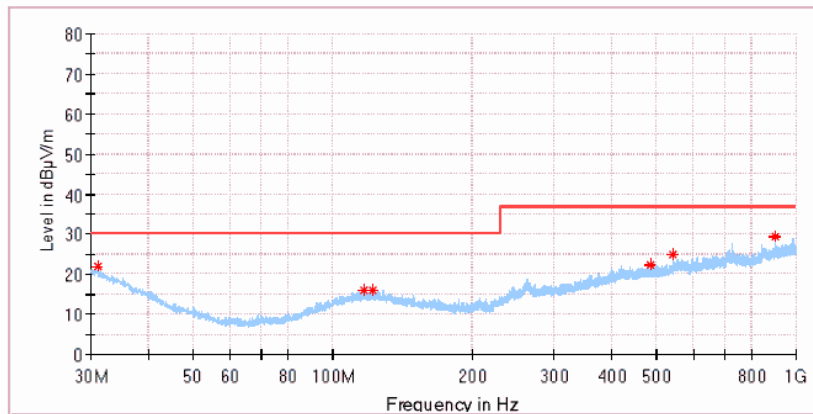
Critical Freqs

Frequency (MHz)	MaxPeak (dBµA)	Limit (dBµA)	Margin (dB)	Axis	Corr. (dB)
0.474000	4.50	44.17	39.67	Z	0.0
1.164000	3.34	33.38	30.04	Z	0.0
2.444000	4.83	24.46	19.63	Z	0.0
5.812000	7.43	22.00	14.57	Z	0.0
9.916000	7.58	22.00	14.42	Z	0.0
27.124000	7.17	22.00	14.83	Z	0.0

Test Report

EUT Information

EUT Name: Flexible LED Strip
Order Number: 168434756 10
Model: SK-ST3Q480V24-c5
Test Mode: ON
Test Voltage: DC 24V
Test Standard: EN 55015
Test By./Review By: Guangshen Cen/Gary Chen
Tem./Hum./Pressure: 23.5°C/51.6%/101kPa
Remark: 10m Chamber



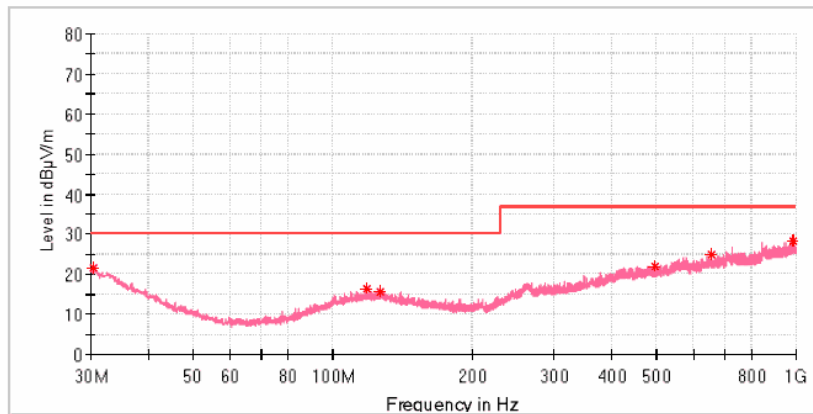
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.131667	22.06	30.00	7.94	200.0	H	56.0	-6.0
117.030556	16.17	30.00	13.83	200.0	H	90.0	-11.0
485.522778	22.44	37.00	14.56	200.0	H	150.0	-5.2
900.036111	29.33	37.00	7.67	100.0	H	263.0	0.0
543.453333	24.96	37.00	12.04	100.0	H	299.0	-4.2
122.419444	16.12	30.00	13.88	100.0	H	334.0	-11.0

Test Report

EUT Information

EUT Name:	Flexible LED Strip
Order Number:	168434756 10
Model:	SK-ST3Q480V24-c5
Test Mode:	ON
Test Voltage:	DC 24V
Test Standard:	EN 55015
Test By./Review By:	Guangshen Cen/Gary Chen
Tem./Hum./Pressure:	23.5°C/51.6%/101kPa
Remark:	10m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
118.054444	16.55	30.00	13.45	200.0	V	86.0	-11.0
30.538889	21.76	30.00	8.24	100.0	V	95.0	-5.7
655.165000	24.88	37.00	12.12	200.0	V	160.0	-2.9
126.946111	15.74	30.00	14.26	100.0	V	168.0	-11.1
983.779444	28.31	37.00	8.69	100.0	V	183.0	1.0
495.600000	22.10	37.00	14.90	200.0	V	356.0	-5.2

Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Table 1: Measurement Uncertainty levels

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U_{cisp})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 3.70 dB ± 3.30 dB	± 3.8 dB ± 3.4 dB
Disturbance Power	Level accuracy (30MHz to 300MHz)	± 4.27 dB	± 4.5 dB
Electromagnetic Radiated Emission (Triple-loop)	Level accuracy (9kHz to 30MHz)	± 2.67 dB	N/A
Radiated Emission (3m SAC)	Level accuracy (30MHz to 1000MHz)	± 4.52 dB	± 6.3 dB
	Level accuracy (above 1000MHz)	± 4.37 dB	N/A
Radiated Emission (10m SAC)	Level accuracy (30MHz to 1000MHz)	± 4.66 dB	± 6.3 dB
	Level accuracy (above 1000MHz)	± 4.35 dB	N/A
Mains Harmonic	Current	$\pm 4.60\%$	N/A
Voltage Fluctuations & Flicker	Voltage	$\pm 0.64\%$	N/A

As U_{lab} in all applicable tests listed above are less than U_{cisp} according to CISPR 16-4-2:2011+A1:2014+A2:2018,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.