

Test Report No.: ATS0912124680LE		<i>Page 1 of 29</i>
Client:	FOSHAN NATIONSTAR OPTOELECTRONICS CO.,LTD. NO.18 South Hua Bao Road, Chan Cheng District, FoShan, GuangDong, P. R. China	
Test item:	LED Tube Lamp	
Identification:	T10: NS-T10-6CW , NS-T10-6NW , NS-T10-6WW ,NS-T10-5CW , NS-T10-5NW , NS-T10-5WW,, NS-T10-4CW , NS-T10-4NW, NS-T10-4WW, NS-T10-3NW , NS-T10-3CW , NS-T10-3WW,NS-T10-2CW, NS-T10-2NW, NS-T10-2WW T8: NS-T8-6CW, NS-T8-6NW, NS-T8-6WW , NS-T8-5CW , NS-T8-5NW,NS-T8-5WW, NS-T8-4CW , NS-T8-4NW, NS-T8-4WW,NS-T8-3CW , NS-T8-3NW, NS-T8-3WW , NS-T8-2CW , NS-T8-2NW , NS-T8-2WW T5: NS-T5-4CW , NS-T5-4NW , NS-T5-4WW , NS-T5-3CW, NS-T5-3NW , NS-T5-3WW, NS-T5-2CW , NS-T5-2NW, NS-T5-2WW	
Date of receipt:	16 DEC.2009	
Testing location:	Refer to section 2.1	
Test specification:	EN 55015-2006 EN 61547:1995+A1:2000 EN 61000-3-2-2006 EN 61000-3-3-2008	
Test Result:	PASS	
tested by: _____ ☐ (SUKI LIANG) Date Name Signature		reviewed by: _____ ☐ (PANNY YUE) Date Name Signature
Other Aspects:		
Abbreviations: OK, Pass = passed Fail = failed N/A = not applicable		
This test report relates to the a. m. test item. 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 on this or similar products.		

TEST SUMMARY

5.1.1 HARMONICS ON AC MAINS

RESULT: Pass

5.1.2 VOLTAGE FLUCTUATIONS ON AC MAINS

RESULT: Pass

5.1.3 MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE

RESULT: Pass

5.1.4 RADIATED ELECTROMAGNETIC DISTURBANCES

RESULT:Pass

**6.2.1 RADIATED RADIO-FREQUENCY ELECTROMAGNETIC FIELDS(RS),AMPLITUDE
MODULATION**

RESULT: Pass

6.2.2 RADIO-FREQUENCY COMMON MODE / CONDUCTED SUSCEPTIBILITY (CS)

RESULT: Pass

6.3.1 ELECTRICAL FAST TRANSIENTS (EFT)

RESULT: Pass

6.3.2 SURGE

RESULT: Pass

6.3.3 ELECTROSTATIC DISCHARGES (ESD)

RESULT: Pass

6.4.1 VOLTAGE DIP AND INTERRUPTIONS

RESULT: Pass

Contents

1.	GENERAL REMARKS.....	5
1.1	COMPLEMENTARY MATERIALS.....	5
2.	TEST SITES.....	5
2.1	TEST FACILITIES	5
2.2	DESCRIPTION OF NON-STANDARD METHOD AND DEVIATIONS.....	5
3.	GENERAL PRODUCT INFORMATION.....	6
3.1	PRODUCT DESCRIPTION AND INTENDED USE	6
3.2	RATINGS AND SYSTEM DETAILS	6
3.3	PRODUCT INFORMATION	7
3.4	INDEPENDENT OPERATION MODES	7
3.5	NOISE GENERATING AND NOISE SUPPRESSING PARTS	7
3.6	SUBMITTED DOCUMENTS.....	7
4.	TEST SET-UP AND OPERATION MODES.....	8
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	8
4.2	PHYSICAL CONFIGURATION FOR TESTING	8
4.3	TEST OPERATION AND TEST SOFTWARE	8
4.4	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT.....	8
4.5	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	8
5.	TEST RESULTS EMISSION	9
5.1	EMISSION IN THE FREQUENCY RANGE UP TO 30 MHZ.....	9
5.1.1	Harmonics on AC Mains	9
5.1.2	Voltage Fluctuations on AC Mains.....	10
5.1.3	Terminal Continuous Disturbance Voltage.....	11
5.1.3.1	Continuous Disturbance Voltage on AC mains.....	11
5.1.4	Radiated electromagnetic disturbances.....	12

6.	TEST RESULTS I M M U N I T Y	13
6.1	CONTINUOUS DISTURBANCES CLASSIFICATION OF APPARATUS.....	13
6.2	CONTINUOUS DISTURBANCES	14
6.2.1	Radiated Radio-Frequency Electromagnetic Fields(RS),Amplitude Modulation	14
6.2.2	Radio-frequency Common Mode / Conducted Susceptibility (CS)	15
6.3	TRANSIENT DISTURBANCES	16
6.3.1	Electrical Fast Transients (EFT)	16
6.3.2	Surge.....	17
6.3.3	Electrostatic Discharges (ESD).....	18
6.4	POWER SUPPLY ALTERATIONS.....	19
6.4.1	Voltage Dip and Interruptions	19
7.	THE GRAPH OF TEST RESULTS.....	20
8.	THE PHOTOS OF EUT	26

1. General Remarks

1.1 Complementary Materials

Constructional Data form

2. Test Sites

2.1 Test Facilities

Ai-Testing Laboratory

NO.312, Zhisheng Business Centre, Tianhe District, Guangzhou
510665, P. R. China

2.2 Description of Non-standard Method and Deviations

The testing and measurement method used in this report are all the standard method applied, no any non-standard method and deviations from the used standard were used.

3. General Product Information

- The submitted samples are LED Tube Lamp.
- They contain 39 models NS-T10-6CW , NS-T10-6NW , NS-T10-6WW, NS-T10-5CW , NS-T10-5NW NS-T10-5WW, NS-T10-4CW , NS-T10-4NW , NS-T10-4WW ,NS-T10-3NW NS-T10-3CW , NS-T10-3WW ,NS-T10-2CW , NS-T10-2NW, NS-T10-2WW,NS-T8-6CW , NS-T8-6NW, NS-T8-6WW, NS-T8-5CW, NS-T8-5NW,NS-T8-5WW, NS-T8-4CW, NS-T8-4NW, NS-T8-4WW, NS-T8-3CW,NS-T8-3NW, NS-T8-3WW, NS-T8-2CW , NS-T8-2NW, NS-T8-2WW,NS-T5-4CW, NS-T5-4NW, NS-T5-4WW, NS-T5-3CW, NS-T5-3NW,NS-T5-3WW, NS-T5-2CW, NS-T5-2NW, NS-T5-2WW
- All of the models have the same working principle and the same of configuration. The different is the appearance and rating power.
- Based on the above information, the EMC characters of other LED daylight lamps. can be accessed by tests to NS-T8-6WW when they are working at correspond function. So all tests have been performed on the model NS-T8-6WW.

3.1 Product Description and Intended Use

Refer to Constructional Data Form.

3.2 Ratings and System Details

Model No.	Input voltage	Frequency	Power	Protection class
NS-T10-6CW	AC100V-240V	50-60Hz	29W	II
NS-T10-6NW	AC100V-240V	50-60Hz	29W	II
NS-T10-6WW	AC100V-240V	50-60Hz	29W	II
NS-T10-5CW	AC100V-240V	50-60Hz	25W	II
NS-T10-5NW	AC100V-240V	50-60Hz	25W	II
NS-T10-5WW	AC100V-240V	50-60Hz	25W	II
NS-T10-4CW	AC100V-240V	50-60Hz	18W	II
NS-T10-4NW	AC100V-240V	50-60Hz	18W	II
NS-T10-4WW	AC100V-240V	50-60Hz	18W	II
NS-T10-3CW	AC100V-240V	50-60Hz	14W	II
NS-T10-3NW	AC100V-240V	50-60Hz	14W	II
NS-T10-3WW	AC100V-240V	50-60Hz	14W	II
NS-T10-2CW	AC100V-240V	50-60Hz	12W	II
NS-T10-2NW	AC100V-240V	50-60Hz	12W	II
NS-T10-2WW	AC100V-240V	50-60Hz	12W	II
NS-T8-6CW	AC100V-240V	50-60Hz	29W	II
NS-T8-6NW	AC100V-240V	50-60Hz	29W	II
NS-T8-6WW	AC100V-240V	50-60Hz	29W	II
NS-T8-5CW	AC100V-240V	50-60Hz	25W	II
NS-T8-5NW	AC100V-240V	50-60Hz	25W	II
NS-T8-5WW	AC100V-240V	50-60Hz	25W	II
NS-T8-4CW	AC100V-240V	50-60Hz	18W	II
NS-T8-4NW	AC100V-240V	50-60Hz	18W	II
NS-T8-4WW	AC100V-240V	50-60Hz	18W	II
NS-T8-3CW	AC100V-240V	50-60Hz	14W	II
NS-T8-3NW	AC100V-240V	50-60Hz	14W	II
NS-T8-3WW	AC100V-240V	50-60Hz	14W	II
NS-T8-2CW	AC100V-240V	50-60Hz	12W	II
NS-T8-2NW	AC100V-240V	50-60Hz	12W	II
NS-T8-2WW	AC100V-240V	50-60Hz	12W	II
NS-T5-4CW	AC100V-240V	50-60Hz	17W	II
NS-T5-4NW	AC100V-240V	50-60Hz	17W	II
NS-T5-4WW	AC100V-240V	50-60Hz	17W	II
NS-T5-3CW	AC100V-240V	50-60Hz	12W	II
NS-T5-3NW	AC100V-240V	50-60Hz	12W	II
NS-T5-3WW	AC100V-240V	50-60Hz	12W	II
NS-T5-2CW	AC100V-240V	50-60Hz	8W	II
NS-T5-2NW	AC100V-240V	50-60Hz	8W	II
NS-T5-2WW	AC100V-240V	50-60Hz	8W	II

3.3 Product information

None

3.4 Independent Operation Modes

The basic operation modes are:

- A. On
- B. Off

3.5 Noise Generating and Noise Suppressing Parts

Refer to the Constructional Data Form

3.6 Submitted Documents

Rating Label
User Manual

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment 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 equipment 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 Physical Configuration for Testing

Refer to the related chapter in this test report.

4.3 Test Operation and Test Software

Refer to test set up in chapter 5 and chapter 6.

4.4 Special Accessories and Auxiliary Equipment

None

4.5 Countermeasures to achieve EMC Compliance

None

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Harmonics on AC Mains

RESULT:**Pass**

Date of testing : 18 DEC.2009
Test procedure : EN61000-3-2:2006
Measured harmonics : 1 - 40
Equipment Class : C
Limits : EN61000-3-2:2006, clause 7.3

Test Setup

Input Voltage : AC230V, 50Hz
Operation Mode : On
Artificial Hand : Not applied
Earthing : Applied
Temperature : 24°C
Humidity : 55%

5.1.2 Voltage Fluctuations on AC Mains**RESULT:****Pass**

Date of testing : 18 DEC.2009
Test procedure : EN 61000-3-3-2008
Limits : EN 61000-3-3-2008, clause 5

Test Setup

Input Voltage : AC230V, 50Hz
Operation Mode : On
Artificial Hand : Not applied
Earthing : Applied
Temperature : 24°C
Humidity : 55%

5.1.3 Terminal Continuous Disturbance Voltage**RESULT:****Pass****5.1.3.1 Continuous Disturbance Voltage on AC mains**

Date of testing : 18 DEC.2009
Test procedure : EN55015:2006
Frequency range : 0.009- 30MHz
Kind of test site : shielded room
Limits : EN55015:2006 Clause4.3,Table 2a

Test setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Artificial Hand : Not applied
Earthing : Applied
Temperature : 24°C
Humidity : 55%

Note: Where PK reading is less than relevant limit decrease 25dB, the QP reading and AV reading will not be recorded.

Where QP reading is less than relevant AV limit, the AV reading will not be measured.

5.1.4 Radiated electromagnetic disturbances**RESULT:****Pass**

Date of testing : 18 DEC.2009
Test procedure : EN55015:2006
Frequency range : 0.009- 30MHz
Kind of test site : shielded room
Limits : EN55015:2006 Clause4.4,Table 3

Test setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Artificial Hand : Not applied
Earthing : Applied
Temperature : 24°C
Humidity : 55%

6 . Test Results I M M U N I T Y

6.1 Continuous Disturbances Classification of Apparatus

According to EN 61547:1995+A1: 2000, clause 6.3.2 the EUT shall be tested in accordance with clause 5 and compliance with the performance criteria of table 14.

Continuous Disturbances

Radiated Radio-Frequency Electromagnetic Fields(RS) **Criterion A**

Radio-Frequency Common Mode / Conducted Susceptibility (C/S) **Criterion A**

Transient Disturbances

Electrical Fast Transients (EFT) **Criterion B**

Surge **Criterion B**

Electrostatic Discharges (ESD) **Criterion B**

Power Supply Alterations

Voltage Dips And Interruptions **Criterion B+C**

6.2 Continuous Disturbances

6.2.1 Radiated Radio-Frequency Electromagnetic Fields(RS),Amplitude Modulation

RESULT:**Pass**

Date of testing : 19 DEC.2009
Test Specification : EN 61547:1995+A1:2000,clause 5.3
Basic Standard : IEC 61000-4-3
Frequency range : 80-1000MHz
Test level : 3V/m (unmodulated,rms.)
Modulation : 80%AM,1kHz
Criterion : A

Test Setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Earthing : Applied
Temperature : 24°C
Humidity : 55%

Table 1: Immunity against Radiated Radio-frequency Electromagnetic Fields (RS),Amplitude Modulation

Field polarization	Frequency	result	remarks
Horizontal	80-1000MHz	Pass	equipment operated as intended, no degradation of function
Vertical	80-1000MHz	Pass	

6.2.2 Radio-frequency Common Mode / Conducted Susceptibility (CS)**RESULT:****Pass**

Date of testing : 19 DEC.2009
Test Specification : EN 61547:1995+A1:2000,clause 5.6
Basic Standard : IEC 61000-4-6
Source impedance : 150Ω
Frequency range : 150kHz - 80MHz
Modulation : AM 80%, 1kHz sine-wave
Sweep mode : automatic
Sweep rate : $< 1.5 \times 10^{-3}$ decade / sec.
Performance criterion : A

Test Setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Earthing : Applied
Temperature : 24°C
Humidity : 55%

Table 2: Immunity against Radio-frequency Common Mode/ Conducted Susceptibility (CS)

Coupling port	coupling method:	Strenght	result	remarks
AC mains:	CDN M-3	3V(r.m.s.)	Pass	equipment operated as intended, no degradation of function

6.3 Transient Disturbances

6.3.1 Electrical Fast Transients (EFT)

RESULT:**Pass**

Date of testing : 19 DEC.2009
Test Specification : EN 61547:1995+A1:2000,clause 5.5
Basic Standard : IEC 61000-4-4
Pulsform : $T_r/T_h=5/50\text{ns}$
Repetition Freq. : 5kHz
Test duration : $\geq 60\text{sec}$
Performance criterion : B

Test Setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Earthing : Applied
Temperature : 24°C
Humidity : 55%

Table 3: Immunity against Electrical Fast Transients (EFT) on AC mains

Coupling method: direct injection & Capacitor clamp		inject time: 120s
Coupling port	test voltage / result	remarks
AC mains	$\pm 1000\text{V}$ Pass	Equipment operated as intended, no degradation of function

6.3.2 Surge**RESULT:****Pass**

Date of testing : 19 DEC.2009
Test Specification : EN 61547:1995+A1:2000, clause 5.7
Basic Standard : IEC 61000-4-5
Pulsform : $T_r/T_h=1.2/50\mu s$
Test voltages : $\pm 0.5kV$
Coupling : Coupling Network for AC Mains
Coupling phases : $0, \pi/2, \pi, 3\pi/2$
Number of surges : 5 (for each combination of parameters)
Repetition rate : max. 1/min
Performance criterion : B

Test Setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Earthing : Applied
Temperature : $24^{\circ}C$
Humidity : 55%

Table 4: Surge Immunity Tests, AC Power Supply

Coupling port	test voltage	coupling phase / result	remarks
AC mains: L – N	±1000V	0 Pass $\pi/2$ Pass π Pass $3\pi/2$ Pass	Equipment operated as intended, no degradation of function

6.3.3 Electrostatic Discharges (ESD)**RESULT****Pass**

Date of testing : 19 DEC.2009
Test Specification : EN 61547:1995+A1:2000, clause 5.2
Basic Standard : IEC 61000-4-2
Performance criterion : B
Charge voltage : $\pm 4.0\text{kV}$ (contact, VCP,HCP)
 $\pm 8.0\text{kV}$ (air discharge)
Number of discharges : >10
Polarity : Positive / Negative

Test Setup

Input Voltage : AC 230V, 50Hz
Operation Mode : On
Earthing : Applied
Temperature : 23°C
Humidity : 55%

Table 5: Electrostatic Discharge, both Polarities

Discharge points	type of discharge	Result	remarks
HCP	Contact	Pass	Equipment operated as intended, no degradation of function
VCP	Contact	Pass	
Bolt	Contact	Pass	
Enclosure	Contact	Pass	

6.4 Power Supply Alterations

6.4.1 Voltage Dip and Interruptions

RESULT:**Pass**

Date of testing : 19 DEC.2009

Test Specification : EN 61547:1995+A1:2000, clause 5.8

Basic Standard : IEC 61000-4-11

Performance criterion : B+C

Test Setup

Input Voltage : AC 230V, 50Hz

Operation Mode : On

Earthing : Applied

Temperature : 24°C

Humidity : 53%

Table 6: Voltage Dip and Interruptions Immunity

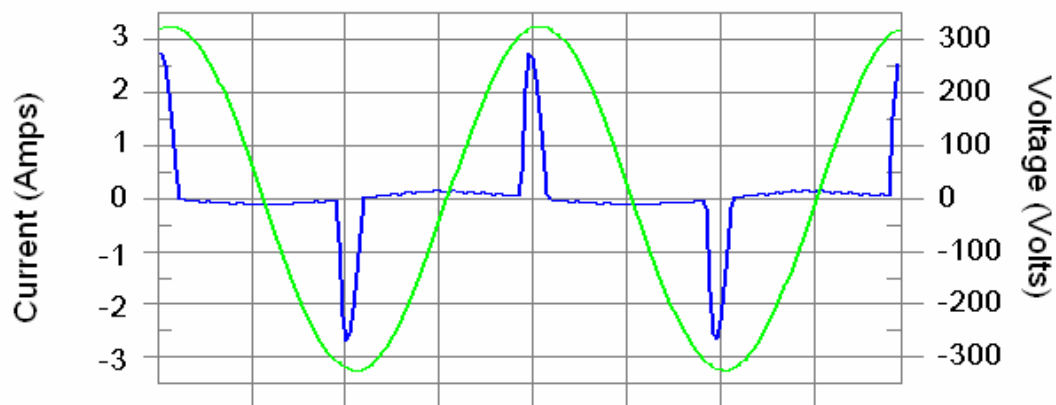
voltage reduction [% , appl. voltage V]	Number of periods	results	Criterion	remarks
100% (interruption)	0.5	Pass	B	equipment operated as intended - no degradation of function
30%	10	Pass	C	equipment operated as intended - no degradation of function

7. The graph of test results.

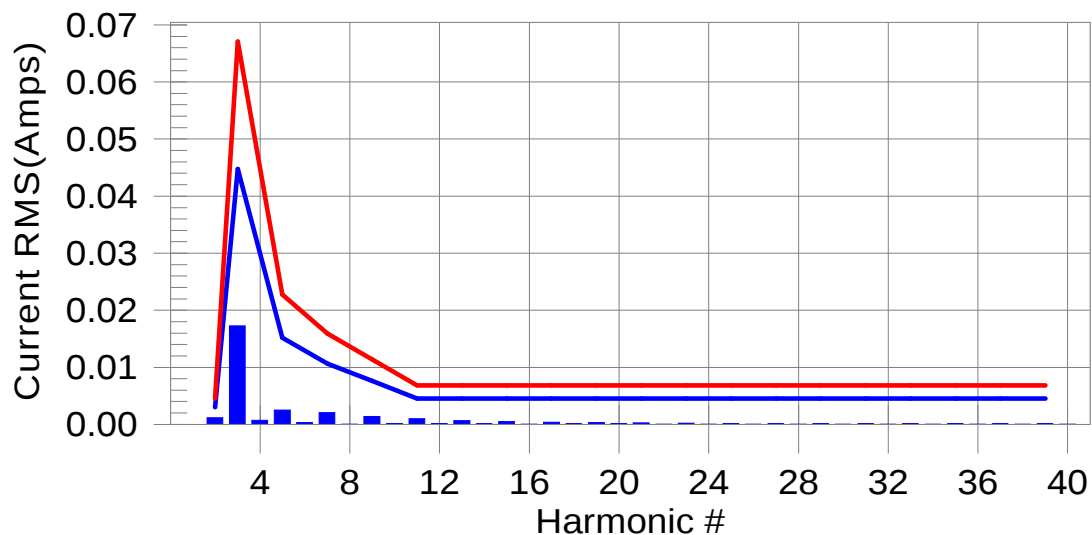
Graph 1: The graph of Harmonic on AC Mains

Test Result: Pass Source qualification: Normal

Current & voltage waveforms



Harmonics and Class C limit line European Limits



Test result: Pass Worst harmonics H3-38.62% of 100% limit, H3-26.9% of 150% limit.

Current Test Result Summary (Run time)

Test Result: Pass Source qualification: Normal
THC(A): 0.02 I-THD(%): 4.66 POHC(A): 0.004 POHC Limit(A): 0.043
Highest parameter values during test:
V_RMS (Volts): 229.78 Frequency(Hz): 50.00
I_Peak (Amps): 2.289 I_RMS (Amps): 0.525
I_Fund (Amps): 0.458 Crest Factor: 4.782
Power (Watts): 100.6 Power Factor: 0.852

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.012	0.006	93.4	0.016	0.014	87.5	Pass
3	0.011	0.117	9.8	0.015	0.176	8.26	Pass
4	0.008						
5	0.009	0.046	19.4	0.010	0.069	14.60	Pass
6	0.005						
7	0.004	0.032	11.6	0.005	0.048	10.73	Pass
8	0.004						
9	0.004	0.023	15.8	0.005	0.034	13.39	Pass
10	0.003						
11	0.002	0.014	15.0	0.003	0.021	14.34	Pass
12	0.002						
13	0.002	0.014	15.0	0.003	0.020	14.80	Pass
14	0.002						
15	0.001	0.014	9.5	0.002	0.021	9.76	Pass
16	0.002						
17	0.001	0.014	10.7	0.002	0.020	9.82	Pass
18	0.002						
19	0.001	0.014	7.5	0.001	0.021	6.82	Pass
20	0.002						
21	0.001	0.014	10.3	0.002	0.021	9.71	Pass
22	0.002						
23	0.001	0.014	7.2	0.002	0.021	7.82	Pass
24	0.002						
25	0.002	0.014	14.3	0.003	0.021	14.96	Pass
26	0.001						
27	0.002	0.014	11.4	0.002	0.021	12.03	Pass
28	0.002						
29	0.001	0.014	8.5	0.002	0.021	7.57	Pass
30	0.001						
31	0.001	0.014	6.3	0.001	0.021	6.00	Pass
32	0.001						
33	0.001	0.014	7.6	0.002	0.021	7.52	Pass
34	0.001						
35	0.001	0.014	4.7	0.001	0.021	4.71	Pass
36	0.001						
37	0.001	0.014	6.8	0.001	0.021	7.20	Pass
38	0.001						
39	0.001	0.014	4.3	0.001	0.021	4.18	Pass
40	0.001						

Note: Dynamic limits were applied for this test. The highest harmonics values in the above table may not occur at the same window as the maximum harmonics/limit ratio.

Voltage Source Verification Data (Run time)

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	229.78	Frequency(Hz):	50.00
I_Peak (Amps):	2.289	I_RMS (Amps):	0.525
I_Fund (Amps):	0.458	Crest Factor:	4.782
Power (Watts):	100.6	Power Factor:	0.852

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.520	0.459	86.54	OK
3	0.576	2.068	27.85	OK
4	0.213	0.459	46.35	OK
5	0.142	0.919	15.42	OK
6	0.118	0.459	25.60	OK
7	0.107	0.689	15.46	OK
8	0.097	0.459	21.07	OK
9	0.080	0.460	17.48	OK
10	0.077	0.459	16.76	OK
11	0.070	0.230	30.38	OK
12	0.060	0.230	26.26	OK
13	0.055	0.230	23.83	OK
14	0.051	0.230	22.32	OK
15	0.046	0.230	20.19	OK
16	0.045	0.230	19.50	OK
17	0.041	0.230	17.82	OK
18	0.044	0.230	19.09	OK
19	0.035	0.230	15.08	OK
20	0.039	0.230	17.05	OK
21	0.034	0.230	14.74	OK
22	0.031	0.230	13.36	OK
23	0.034	0.230	14.85	OK
24	0.028	0.230	12.15	OK
25	0.032	0.230	13.75	OK
26	0.023	0.230	10.01	OK
27	0.029	0.230	12.81	OK
28	0.024	0.230	10.53	OK
29	0.021	0.230	9.13	OK
30	0.022	0.230	9.50	OK
31	0.023	0.230	9.85	OK
32	0.019	0.230	8.11	OK
33	0.018	0.230	8.00	OK
34	0.018	0.230	7.62	OK
35	0.013	0.230	5.45	OK
36	0.017	0.230	7.43	OK
37	0.018	0.230	7.77	OK
38	0.013	0.230	5.76	OK
39	0.012	0.230	5.33	OK
40	0.013	0.230	5.63	OK

Graph 2: The graph of Voltage Fluctuations on AC Mains

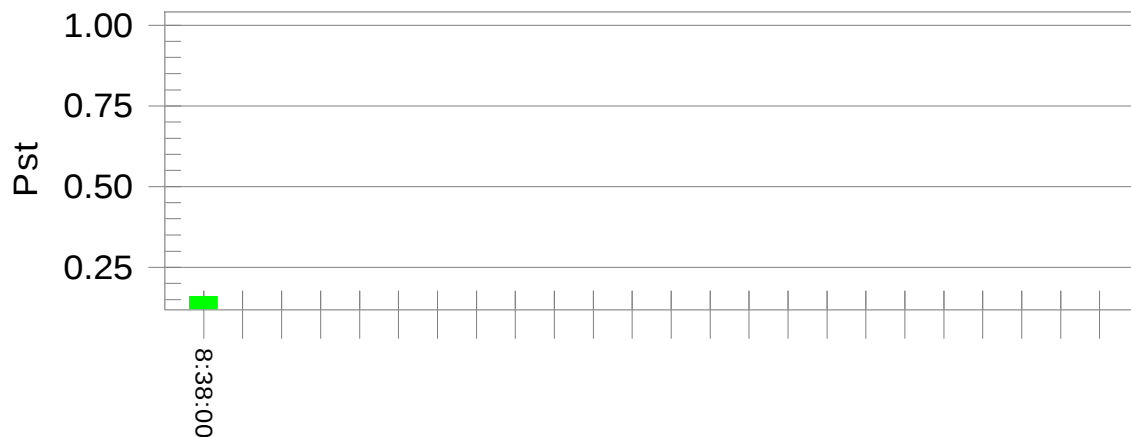
Flicker Test Summary per EN/IEC61000-3-3 (Run time)

Test Result: Pass

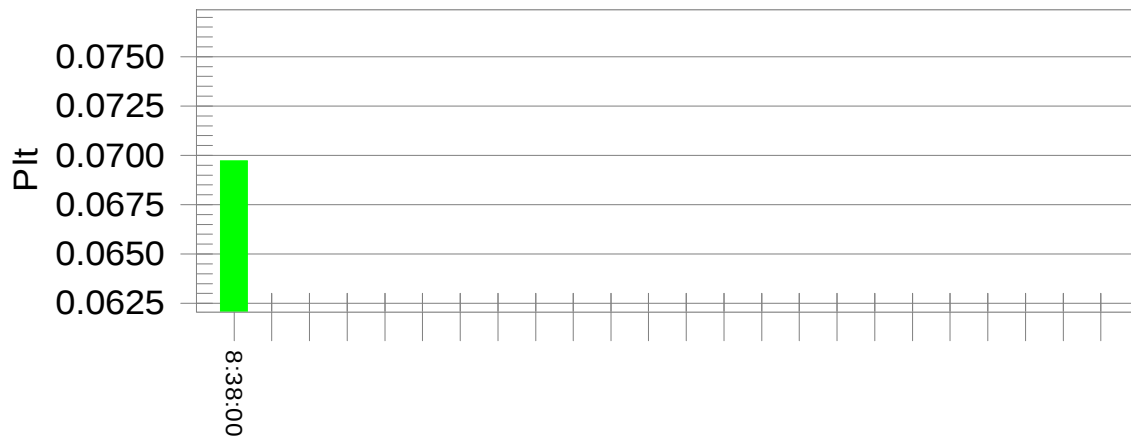
Status: Test Completed

Pst and limit line

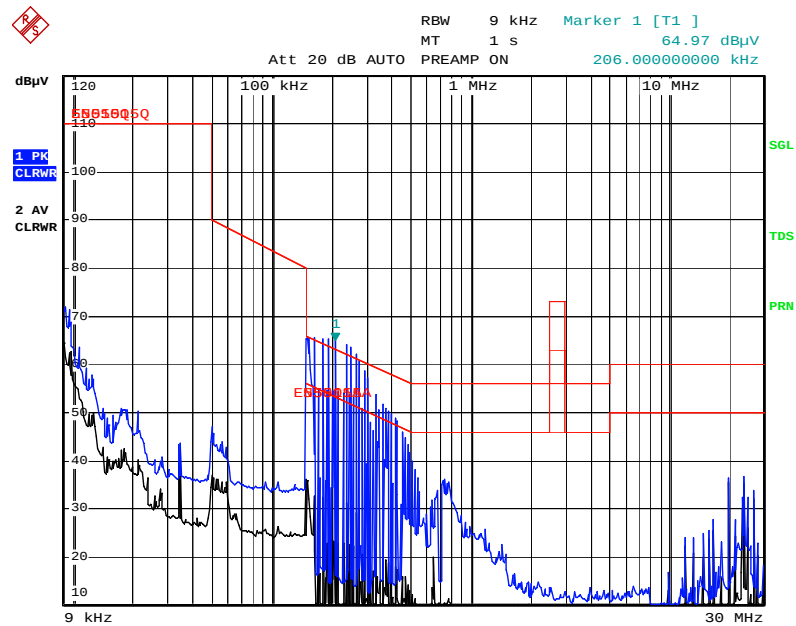
European Limits



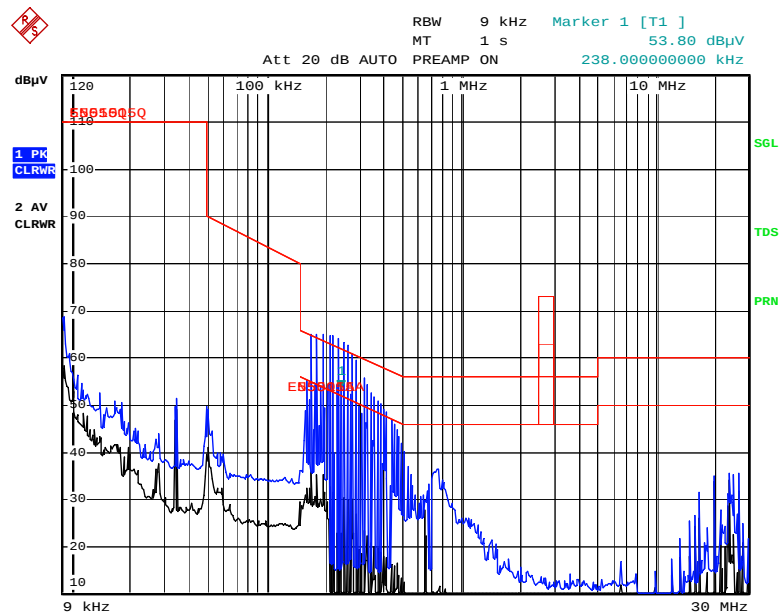
Plt and limit line

**Parameter values recorded during the test:**Vrms at the end of test (Volt): **229.80**Highest dt (%): **0.36**Time(mS) > dt: **0.0**Highest dc (%): **0.00**Highest dmax (%): **0.26**Highest Pst (10 min. period): **0.160**Test limit (%): **3.30** **Pass**Test limit (mS): **500.0** **Pass**Test limit (%): **3.30** **Pass**Test limit (%): **6.00** **Pass**Test limit: **1.000** **Pass**

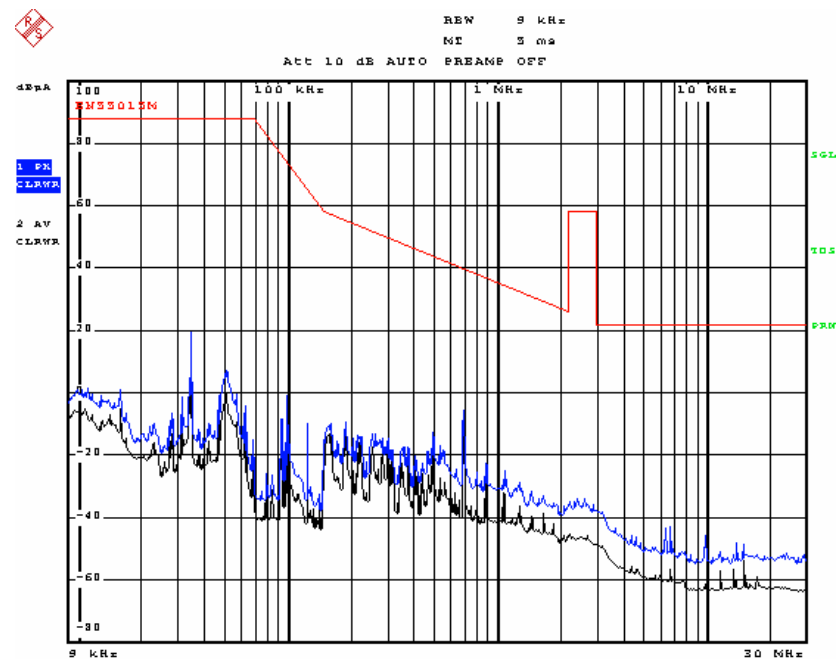
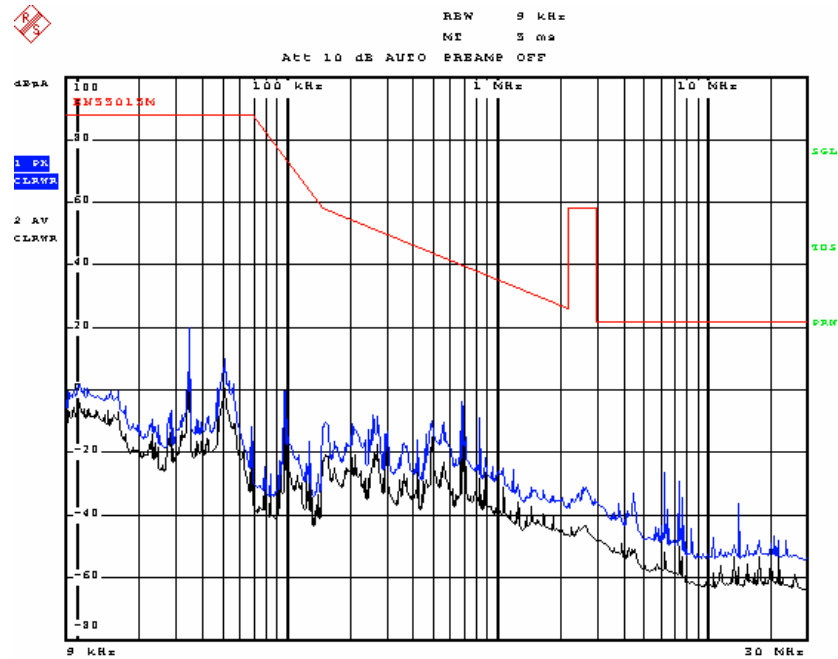
Graph 3: The graph of Continuous Disturbance Voltage on AC Mains
On—Live



On—Nature



Graph 4: The graph of Radiated electromagnetic disturbances



8. The photos of EUT





-----End of Report-----