TEST REPORT

Reference No.	:	WTX23X06126281E
Applicant	:	GlobTek, Inc.
Address	:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer	:	1: GlobTek, Inc. 2: GlobTek (Suzhou) Co., Ltd
Address	:	1: 186 Veterans Dr. Northvale, NJ 07647 USA 2: Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou,JiangSu 215021, China
Product Name	:	Power Supply
Model No.	:	GT*96225*P*****-*
Standards	:	**EN 60601-1-2:2015+A1:2021**
Date of Receipt sample	:	2023-06-09
Date of Test	:	2023-06-24 to 2023-07-24
Date of Issue	:	2023-07-24
Test Report Form No.	:	WTX_EN 60601_1_2_2015_B
Test Result	:	**Pass**

Remarks:
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

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Tested by: Tom Ma

Tom Ma

Approved by: Silin Chen

Silin Chen

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Report version

Version No.	Date of issue	Description
Rev.00	2023-07-24	Original
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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Power Supply
Trade Name:	GlobTek, Inc.
Model No.:	GT*96225*P*****-*
Adding Model(s):	/
*Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model GT*96225*P*****-*, but the circuit and the electronic construction do not change, declared by the manufacturer.* *GT*96225*P*****-** *(The 1st * part can be 'M' or '-' or 'H' for market identification and not related to safety.* *The 2nd * can be 0, 1, 2 or 3, denote the different mechanical construction,* *"0" means open frame, "1" means L frame, "2" means cage, "3" means potted.* *The 3rd * can be "001" to "225", denotes the rated output wattage* *designation from 1W to 225W, with interval of 1W.* *The 4th * can be "12" to "54" or "12.0" to "54.0", denote the standard* *rated output voltage designation from 12V to 54Vdc, with interval of 0.1V.* *The 5th * can be optional, blank or A to H, denote the AUX Output voltage code.* *The 6th * can be Blank, -C or -D, related to PCB size, Blank=2"x4", -C=3"x5", -D= 7"x4.22"* *The 7th "*"* *=-F or F means Open Frame class I or class II with functional earth* *=-FW or FW means Open Frame class II* *=-P2 or P2 means Encapsulated Type, class II* *=-P3 or P3 means Encapsulated Type, class I or class II with functional earth* *The last * denote any six character, which can be 0-9 or A-Z or ()[] or – or* *blank for marketing purposes, -* can be blank.)*	

Technical Characteristics of EUT	
Rated Voltage/ Current:	Input: AC 100-240V~,50-60Hz or 50/60Hz, 3.0A Output: DC 12-54V, Max.18.75A; Max.225W
Rated Power:	/
Power Adaptor Model:	/
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B

1.2 Test Standards

The tests were performed according to following standards:

EN 60601-1-2:2015+A1:2021: Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with the standards IEC 60601-1-2 for Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard:Electromagnetic compatibility – Requirements and tests.

1.4 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission/immunity level. The test modes were adapted according to the operation manual for use, more detailed description as follows:

Test Mode List			
Test Mode	Description	Remark	Power Supply Mode
TM1	Working mode	Model:GTM962250P22554A-FW Output:DC 54V/4.16A	AC 230V/50Hz
TM2	Working mode	Model:GTM962250P22512A-F Output:DC 12V/18.75A	AC 230V/50Hz
TM3	Working mode	Model:GTM962250P22554A-FW Output:DC 54V/4.16A	AC 120V/60Hz
TM4	Working mode	Model:GTM962250P22512A-F Output:DC 12V/18.75A	AC 120V/60Hz

EUT Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Chip
/	/	/	/	/

Special Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Chip
/	/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Load	/	/	/

1.5 Performance Criteria for EMS

All the test data has been collected, reduced, and analyzed within this report in accordance with Immunity requires the following as specific performance criteria:

A. The apparatus shall continue to operate as intended during and after the test. The manufacturer specifies some minimum performance level. The performance level may be specified by the manufacturer as a permissible loss of performance.
B. The apparatus shall continue to operate as intended after the test. This indicates that the EUT does not need to function at normal performance levels during the test, but must recover. Again some minimal performance is defined by the manufacturer. No change in operating state or loss of data is permitted.
C. Temporary loss of function is allowed. Operation of the EUT may stop as long as it is either automatically reset or can be manually restored by operation of the controls.

1.6 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
☐Chamber A:Below 1GHz					
Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2023-02-25	2024-02-24
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2023-02-25	2024-02-24
Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2023-03-20	2026-03-19
Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2024-03-19
Amplifier	HP	8447F	2805A03475	2023-02-25	2024-02-24
☐Chamber A:Above 1GHz					
Amplifier	C&D	PAP-1G18	2002	2023-02-25	2024-02-24
Horn Antenna	ETS	3117	00086197	2021-03-19	2024-03-18
☒Chamber B:Below 1GHz					
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2024-04-08
Amplifier	Agilent	8447D	2944A10179	2023-02-25	2024-02-24
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2023-02-25	2024-02-24
☐Chamber C:Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2023-02-25	2024-02-24
Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2021-05-28	2024-05-27
Amplifier	HP	8447F	2944A03869	2023-02-25	2024-02-24
☐Chamber C:Above 1GHz					
Horn Antenna	POAM	RTF-11A	LP228060221	2023-03-10	2026-03-09
Amplifier	Tonscend	TAP01018050	AP22E806235	2023-02-25	2024-02-24
☒Conducted Room 1#					
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2023-02-25	2024-02-24
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2023-02-25	2024-02-24
AC LISN	Schwarz beck	NSLK8126	8126-224	2023-02-25	2024-02-24
8-WIRE LISN	Schwarz beck	8158	CAT3-8158-0059	2023-02-25	2024-02-24
8-WIRE LISN	Schwarz beck	8158	CAT5-8158-0117	2023-02-25	2024-02-24
☐Conducted Room 2#					
EMI Test Receiver	Rohde & Schwarz	ESPI	10129	2023-02-25	2024-02-24
LISN	Rohde & Schwarz	ENV 216	100097	2023-02-25	2024-02-24
☒Harmonics &Flicker					
Digital Power Analyzer	California Instrument	CTS	72831	2023-02-25	2024-02-24
Power Source	California Instrument	5001IX-CTS-400	25965	2023-02-25	2024-02-24
☒Electrostatic discharges					
ESD Generator	LIONCEL	ESD-203B	0170901	2023-03-14	2024-03-13

☒Power-frequency magnetic field (PFMF)					
PMF Generator	LIONCEL	PMF-801C-C	0171101	2023-02-25	2024-02-24
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2023-02-25	2024-02-24
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2023-02-25	2024-02-24
☒Electronic fast transient(EFT)/Surges/Dips					
Transient 2000	EMC PARTNER	TRA2000	863	2023-02-25	2024-02-24
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2023-02-25	2024-02-24
☒Radio frequency, continuous conducted (C/S)					
CONDUCTED IMMUNITY TEST SYSTEM	FRANKONIA	CIT-10/75	126B1247/2013	2023-02-25	2024-02-24
Attenuator	EMTEST	MA-5100/6BF2	1009	2023-02-25	2024-02-24
CDN	Luthi	L-801M2/M3	2665	2023-02-25	2024-02-24
CDN	LIONCEL	CDN-T8	0210401	2023-02-25	2024-02-24
EM Clamp	TESEQ	KEMZ801A	45028	2023-02-25	2024-02-24
☒Radio frequency electromagnetic Field (R/S)					
Signal Generator	HP	8688B	3438A00604	2023-02-25	2024-02-24
Power Sensor	Agilent	E9301A	MY52450001	2023-02-25	2024-02-24
Power Sensor	Agilent	E9304A	MY55081055	2023-02-25	2024-02-24
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2023-02-25	2024-02-24
RF Power Amplifier	MicoTop	MPA-1000-6000-100	MPA1906238	2023-02-25	2024-02-24
Antenna	SCHWARZBECK	STLP 9129	9129 114	N/A	N/A
Power Meter	Agilent	E4419B	GB42420578	2023-02-25	2024-02-24

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
EN 60601-1-2	Conducted Disturbance	Compliant
	Radiated Disturbance	Compliant
	Harmonic Current Emission IEC 61000-3-2	Compliant
	Voltage Fluctuation and Flicker IEC 61000-3-3	Compliant
	Electrostatic Discharge Immunity in accordance with IEC 61000-4-2	Compliant
	Continuous Radiated Disturbances Immunity in accordance with IEC 61000-4-3	Compliant
	Electrical Fast Transient/Burst Immunity in accordance With IEC 61000-4-4	Compliant
	Surges Immunity in accordance with IEC 61000-4-5	Compliant
	Continuous Conducted Disturbances Immunity in accordance with IEC 61000-4-6	Compliant
	Power-frequency Magnetic Fields Immunity in accordance with IEC 61000-4-8	Compliant
	Voltage Dips/Interruptions Immunity in accordance with IEC 61000-4-11	Compliant

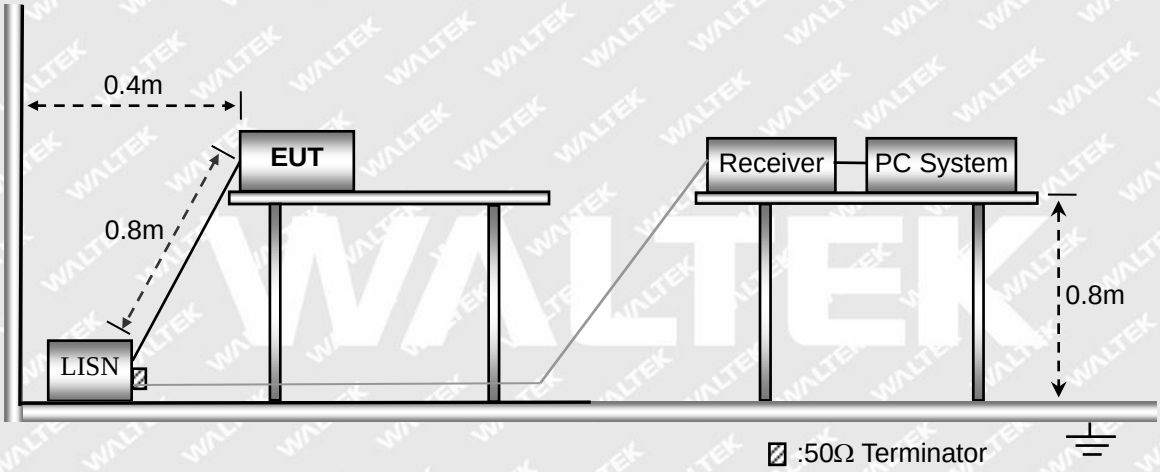
3. Conducted Emission

3.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement:

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Conducted Emissions	Conducted	9-150kHz ±3.74dB
		0.15-30MHz ±3.34dB

3.2 Basic Test Setup Block Diagram



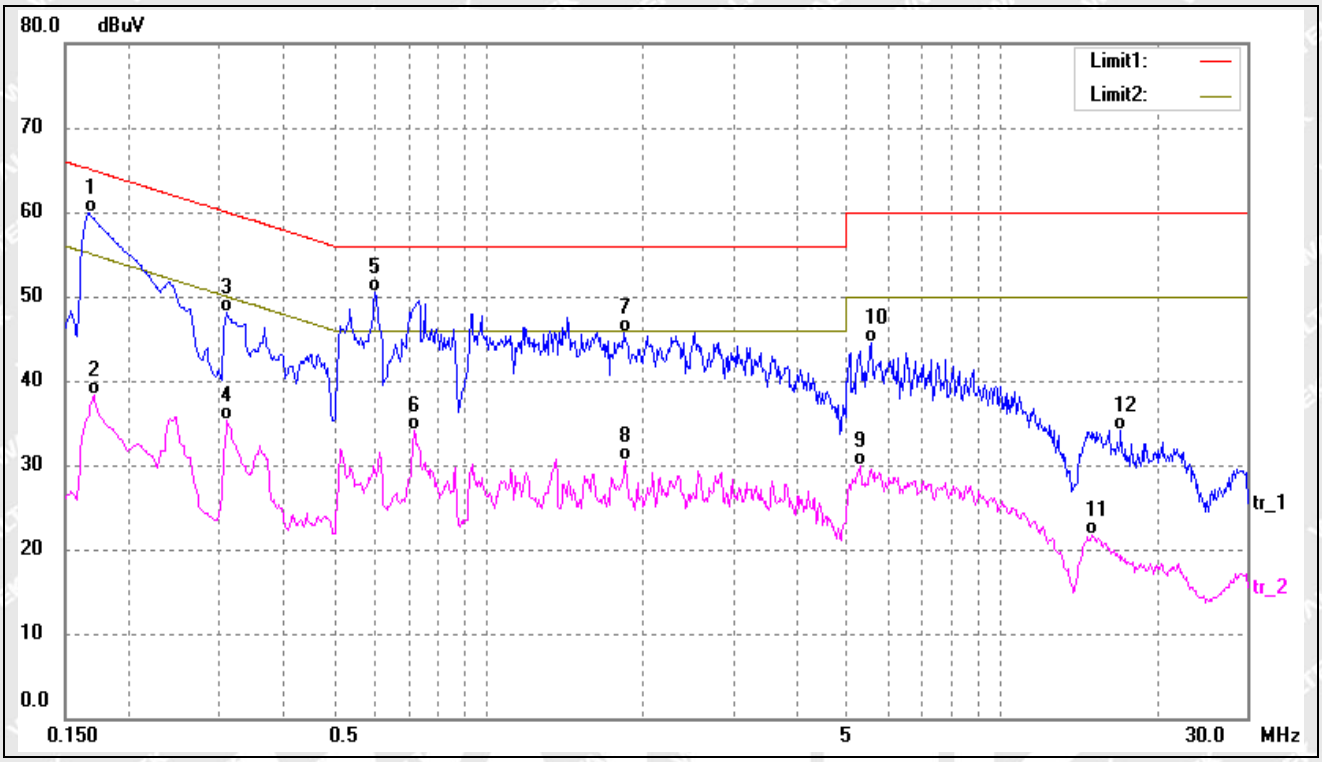
3.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

3.4 Summary of Test Results

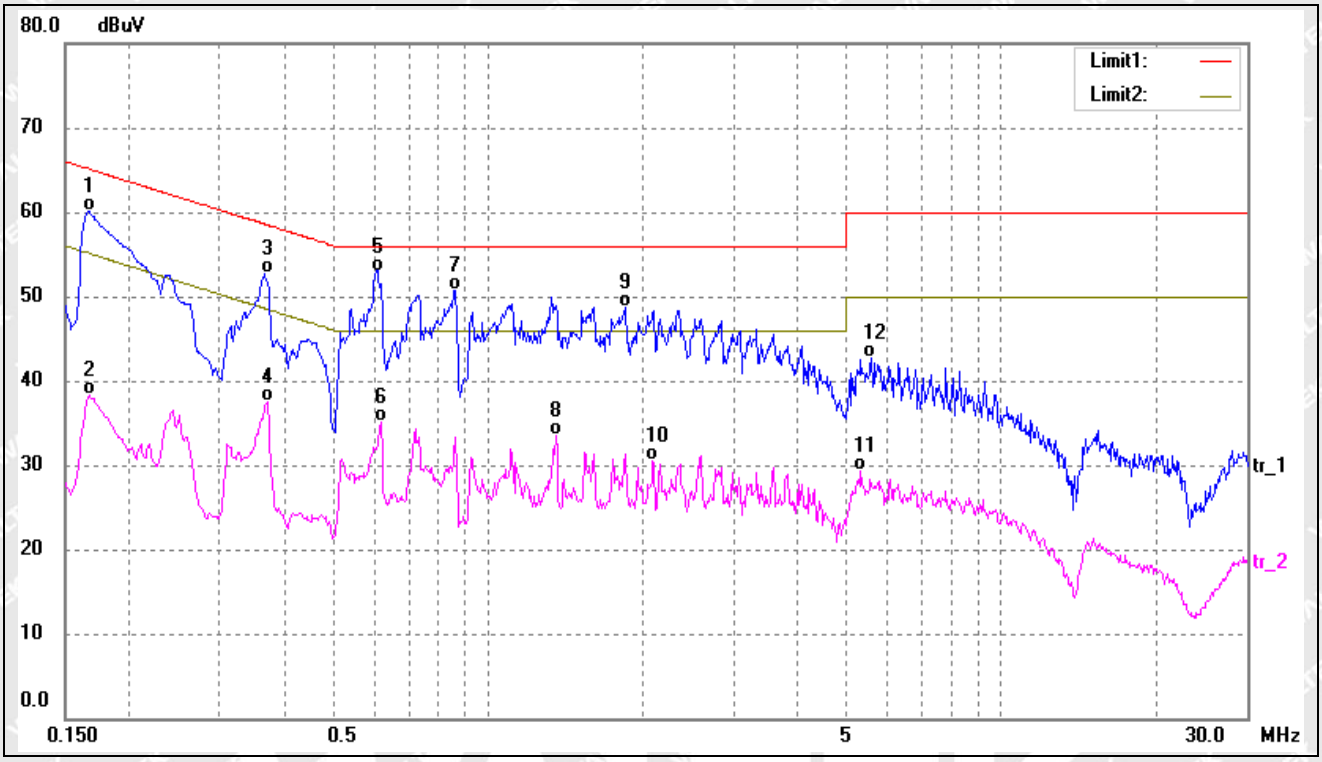
Please find the results below:

Test mode:	TM1	Polarity:	Line



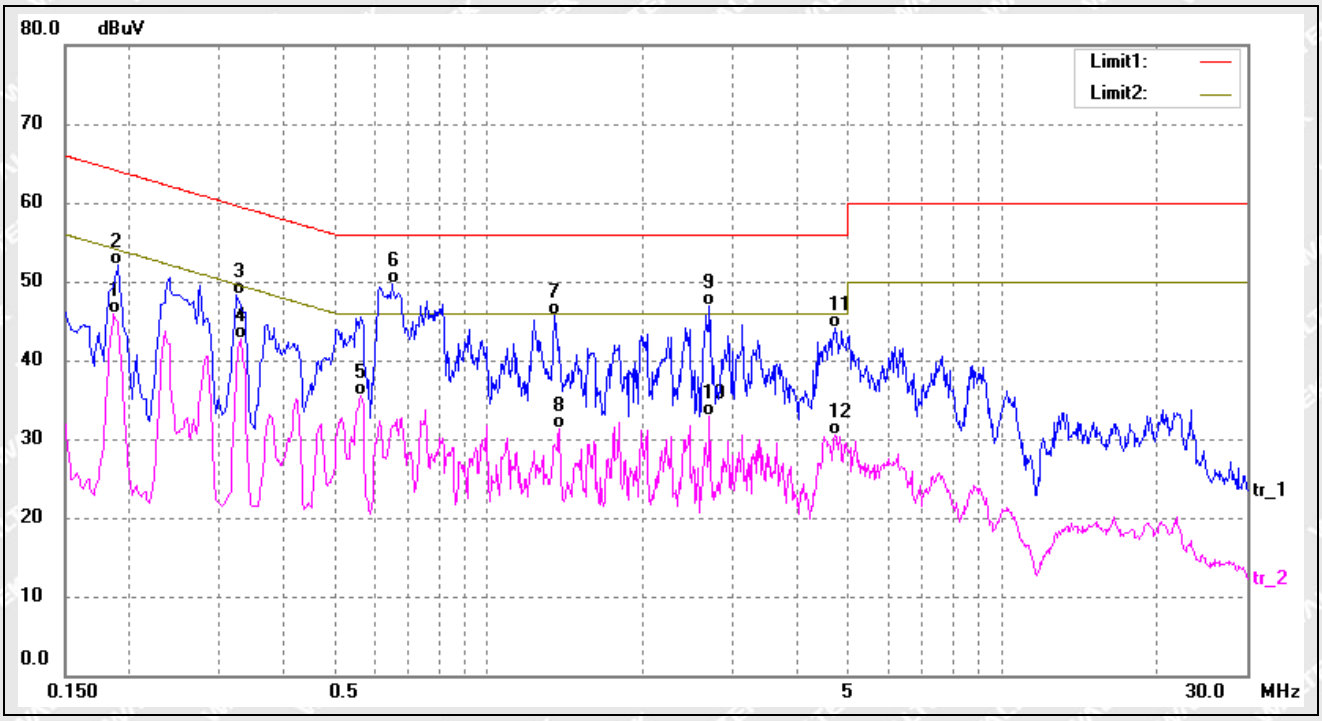
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1660	49.47	10.40	59.87	65.15	-5.28	QP
2	0.1700	27.90	10.40	38.30	54.96	-16.66	AVG
3	0.3100	37.72	10.30	48.02	59.97	-11.95	QP
4	0.3100	25.04	10.30	35.34	49.97	-14.63	AVG
5	0.6020	40.31	10.22	50.53	56.00	-5.47	QP
6	0.7180	23.91	10.19	34.10	46.00	-11.90	AVG
7	1.8380	35.43	10.30	45.73	56.00	-10.27	QP
8	1.8500	20.14	10.30	30.44	46.00	-15.56	AVG
9	5.3180	19.59	10.38	29.97	50.00	-20.03	AVG
10	5.5700	34.17	10.38	44.55	60.00	-15.45	QP
11	14.9940	11.49	10.22	21.71	50.00	-28.29	AVG
12	17.0900	23.88	10.29	34.17	60.00	-25.83	QP

Test mode:	TM1	Polarity:	Neutral



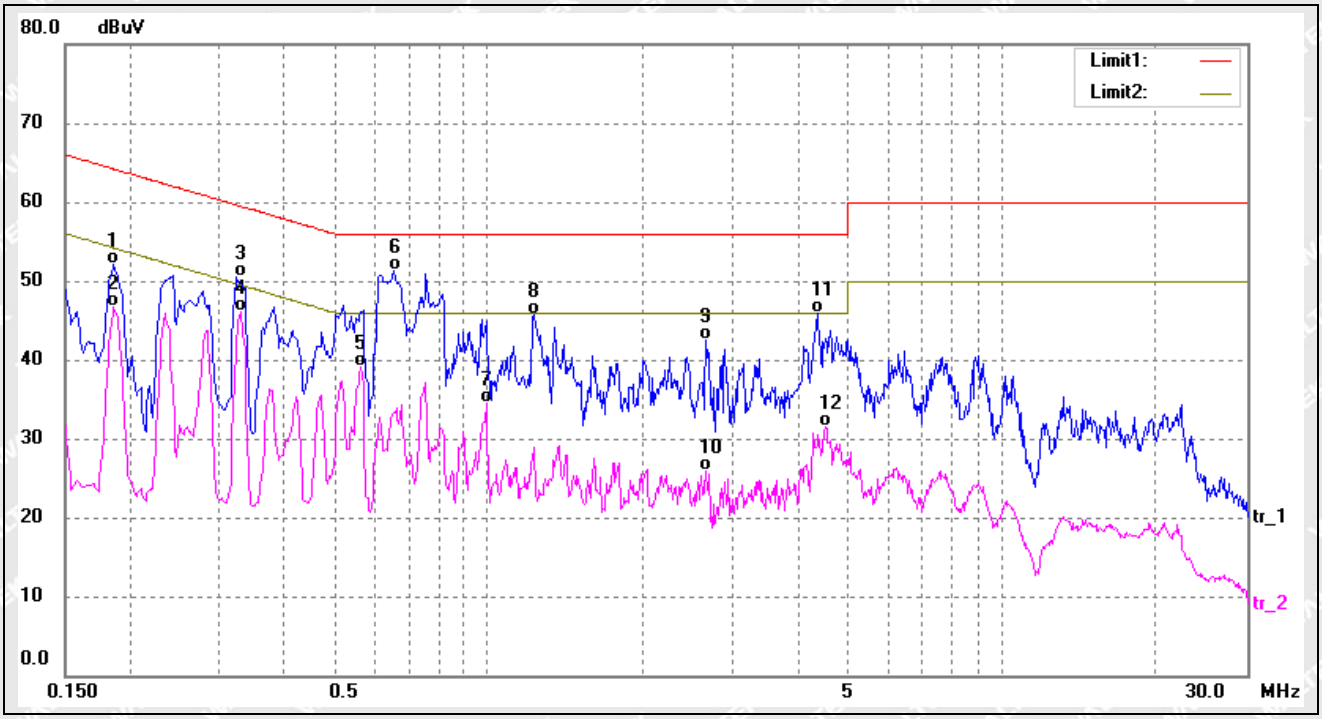
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1660	49.74	10.40	60.14	65.15	-5.01	QP
2	0.1660	27.88	10.40	38.28	55.15	-16.87	AVG
3	0.3660	42.40	10.28	52.68	58.59	-5.91	QP
4	0.3700	27.17	10.28	37.45	48.50	-11.05	AVG
5*	0.6060	42.78	10.22	53.00	56.00	-3.00	QP
6	0.6180	24.92	10.21	35.13	46.00	-10.87	AVG
7	0.8580	40.54	10.17	50.71	56.00	-5.29	QP
8	1.3580	23.35	10.21	33.56	46.00	-12.44	AVG
9	1.8580	38.46	10.31	48.77	56.00	-7.23	QP
10	2.0980	20.26	10.33	30.59	46.00	-15.41	AVG
11	5.3220	19.01	10.38	29.39	50.00	-20.61	AVG
12	5.5660	32.30	10.38	42.68	60.00	-17.32	QP

Test mode:	TM2	Polarity:	Line



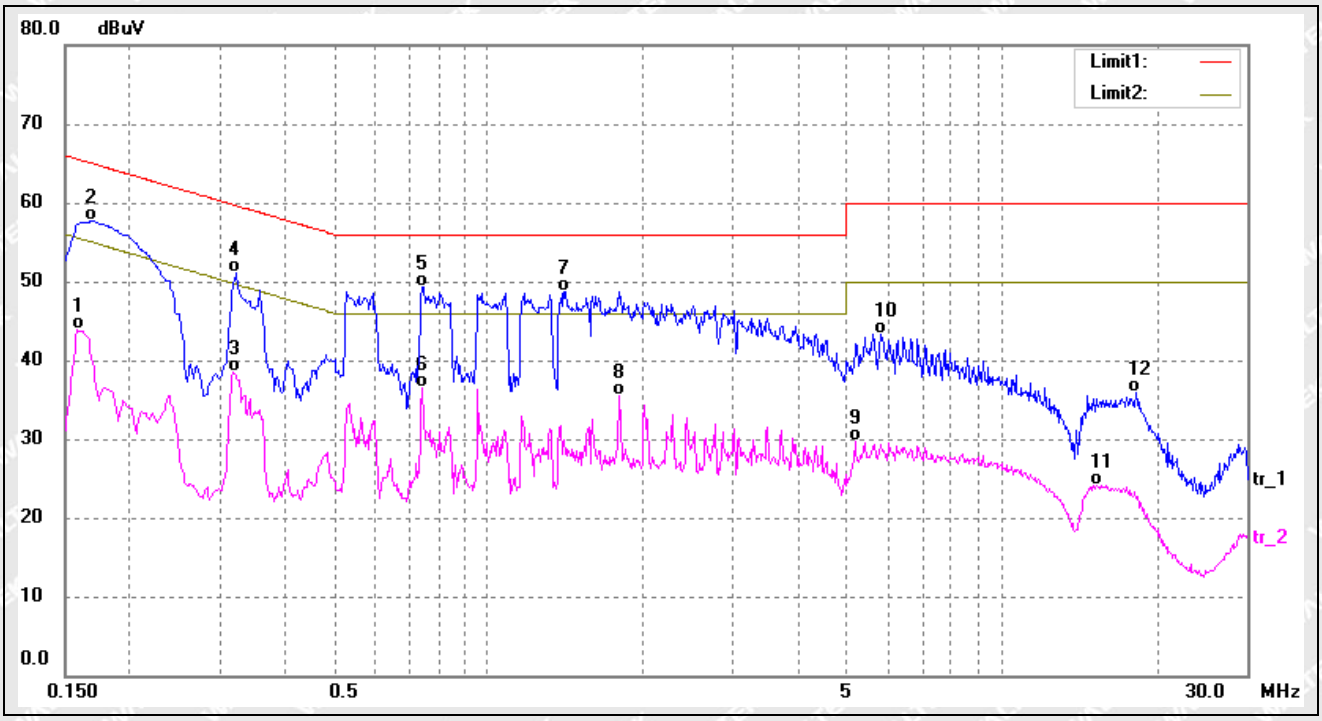
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1860	35.50	10.40	45.90	54.21	-8.31	AVG
2	0.1900	41.74	10.39	52.13	64.03	-11.90	QP
3	0.3220	37.94	10.30	48.24	59.65	-11.41	QP
4	0.3300	32.47	10.29	42.76	49.45	-6.69	AVG
5	0.5660	25.29	10.22	35.51	46.00	-10.49	AVG
6*	0.6500	39.48	10.20	49.68	56.00	-6.32	QP
7	1.3500	35.48	10.20	45.68	56.00	-10.32	QP
8	1.3740	21.16	10.21	31.37	46.00	-14.63	AVG
9	2.7020	36.63	10.34	46.97	56.00	-9.03	QP
10	2.7020	22.51	10.34	32.85	46.00	-13.15	AVG
11	4.7340	33.78	10.38	44.16	56.00	-11.84	QP
12	4.7340	20.08	10.38	30.46	46.00	-15.54	AVG

Test mode:	TM2	Polarity:	Neutral



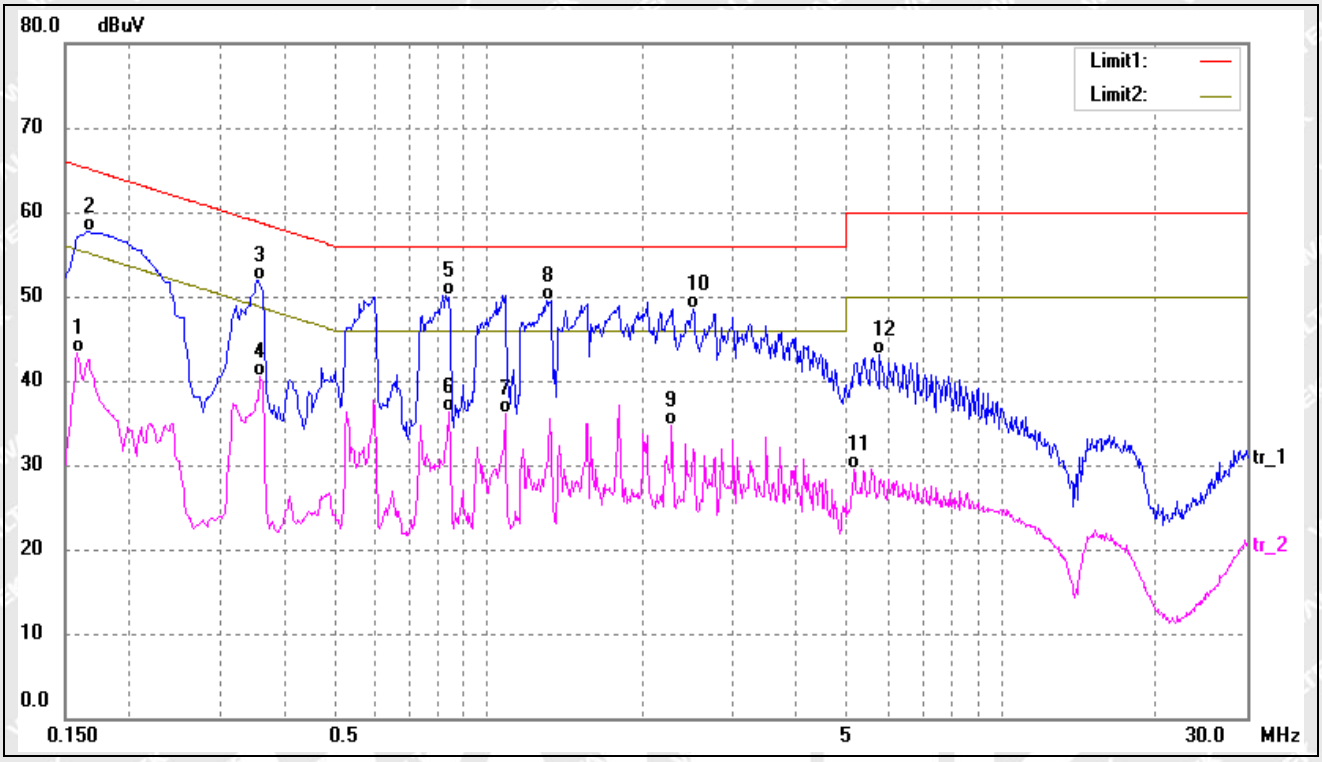
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1860	41.73	10.40	52.13	64.21	-12.08	QP
2	0.1860	36.35	10.40	46.75	54.21	-7.46	AVG
3	0.3220	40.13	10.30	50.43	59.65	-9.22	QP
4*	0.3300	35.72	10.29	46.01	49.45	-3.44	AVG
5	0.5660	28.80	10.22	39.02	46.00	-6.98	AVG
6	0.6540	41.01	10.20	51.21	56.00	-4.79	QP
7	0.9940	24.37	10.14	34.51	46.00	-11.49	AVG
8	1.2260	35.59	10.18	45.77	56.00	-10.23	QP
9	2.6540	32.17	10.34	42.51	56.00	-13.49	QP
10	2.6540	15.61	10.34	25.95	46.00	-20.05	AVG
11	4.3740	35.48	10.37	45.85	56.00	-10.15	QP
12	4.5460	21.13	10.37	31.50	46.00	-14.50	AVG

Test mode:	TM3	Polarity:	Line



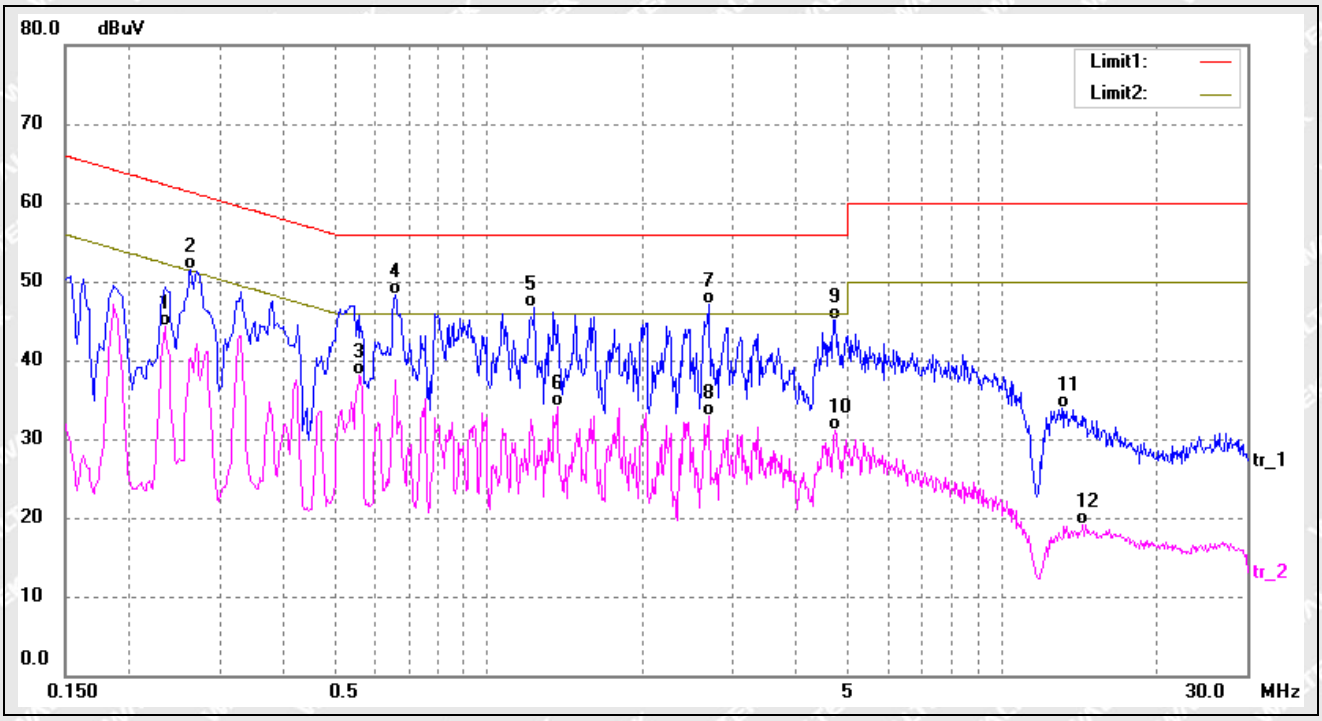
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1580	33.41	10.40	43.81	55.56	-11.75	AVG
2	0.1700	47.36	10.40	57.76	64.96	-7.20	QP
3	0.3180	28.23	10.30	38.53	49.76	-11.23	AVG
4	0.3220	40.81	10.30	51.11	59.65	-8.54	QP
5*	0.7460	39.15	10.19	49.34	56.00	-6.66	QP
6	0.7460	26.29	10.19	36.48	46.00	-9.52	AVG
7	1.4180	38.57	10.22	48.79	56.00	-7.21	QP
8	1.8060	25.25	10.29	35.54	46.00	-10.46	AVG
9	5.1820	19.29	10.38	29.67	50.00	-20.33	AVG
10	5.8140	32.85	10.38	43.23	60.00	-16.77	QP
11	15.2500	13.89	10.22	24.11	50.00	-25.89	AVG
12	18.2620	25.48	10.33	35.81	60.00	-24.19	QP

Test mode:	TM3	Polarity:	Neutral



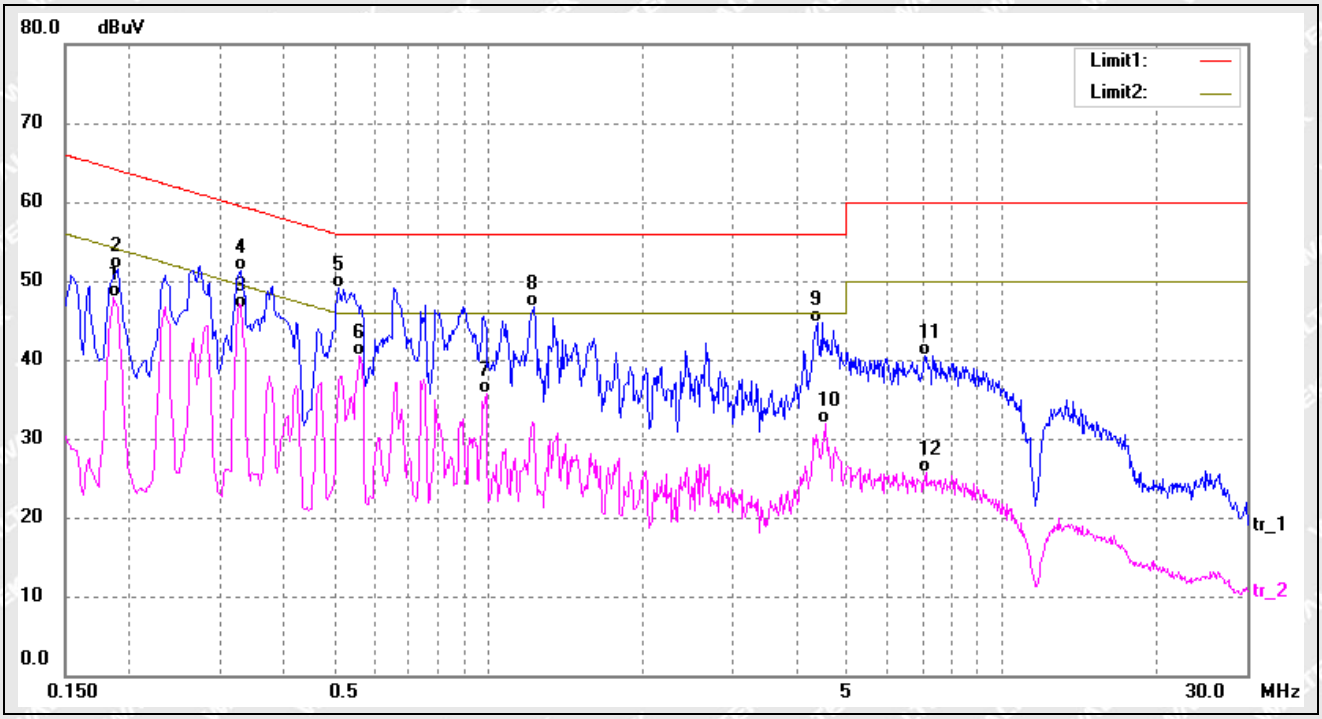
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1580	32.85	10.40	43.25	55.56	-12.31	AVG
2	0.1660	47.35	10.40	57.75	65.15	-7.40	QP
3	0.3540	41.60	10.28	51.88	58.87	-6.99	QP
4	0.3580	30.18	10.28	40.46	48.77	-8.31	AVG
5*	0.8300	39.89	10.17	50.06	56.00	-5.94	QP
6	0.8420	26.18	10.17	36.35	46.00	-9.65	AVG
7	1.0820	25.95	10.16	36.11	46.00	-9.89	AVG
8	1.3020	39.36	10.20	49.56	56.00	-6.44	QP
9	2.2740	24.42	10.33	34.75	46.00	-11.25	AVG
10	2.5100	38.18	10.34	48.52	56.00	-7.48	QP
11	5.1660	19.22	10.38	29.60	50.00	-20.40	AVG
12	5.8020	32.72	10.38	43.10	60.00	-16.90	QP

Test mode:	TM4	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2340	33.95	10.35	44.30	52.30	-8.00	AVG
2	0.2620	41.18	10.34	51.52	61.36	-9.84	QP
3	0.5620	27.97	10.22	38.19	46.00	-7.81	AVG
4*	0.6580	38.06	10.20	48.26	56.00	-7.74	QP
5	1.2340	36.48	10.18	46.66	56.00	-9.34	QP
6	1.3660	23.85	10.21	34.06	46.00	-11.94	AVG
7	2.6900	36.73	10.34	47.07	56.00	-8.93	QP
8	2.6940	22.47	10.34	32.81	46.00	-13.19	AVG
9	4.7220	34.81	10.38	45.19	56.00	-10.81	QP
10	4.7220	20.72	10.38	31.10	46.00	-14.90	AVG
11	13.0659	23.56	10.28	33.84	60.00	-26.16	QP
12	14.4140	8.79	10.24	19.03	50.00	-30.97	AVG

Test mode:	TM4	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1860	37.55	10.40	47.95	54.21	-6.26	AVG
2	0.1900	41.19	10.39	51.58	64.03	-12.45	QP
3*	0.3260	36.26	10.29	46.55	49.55	-3.00	AVG
4	0.3300	41.11	10.29	51.40	59.45	-8.05	QP
5	0.5100	38.92	10.23	49.15	56.00	-6.85	QP
6	0.5620	30.26	10.22	40.48	46.00	-5.52	AVG
7	0.9900	25.58	10.14	35.72	46.00	-10.28	AVG
8	1.2260	36.59	10.18	46.77	56.00	-9.23	QP
9	4.3820	34.42	10.37	44.79	56.00	-11.21	QP
10	4.5300	21.61	10.37	31.98	46.00	-14.02	AVG
11	7.0900	30.08	10.38	40.46	60.00	-19.54	QP
12	7.1060	15.31	10.38	25.69	50.00	-24.31	AVG

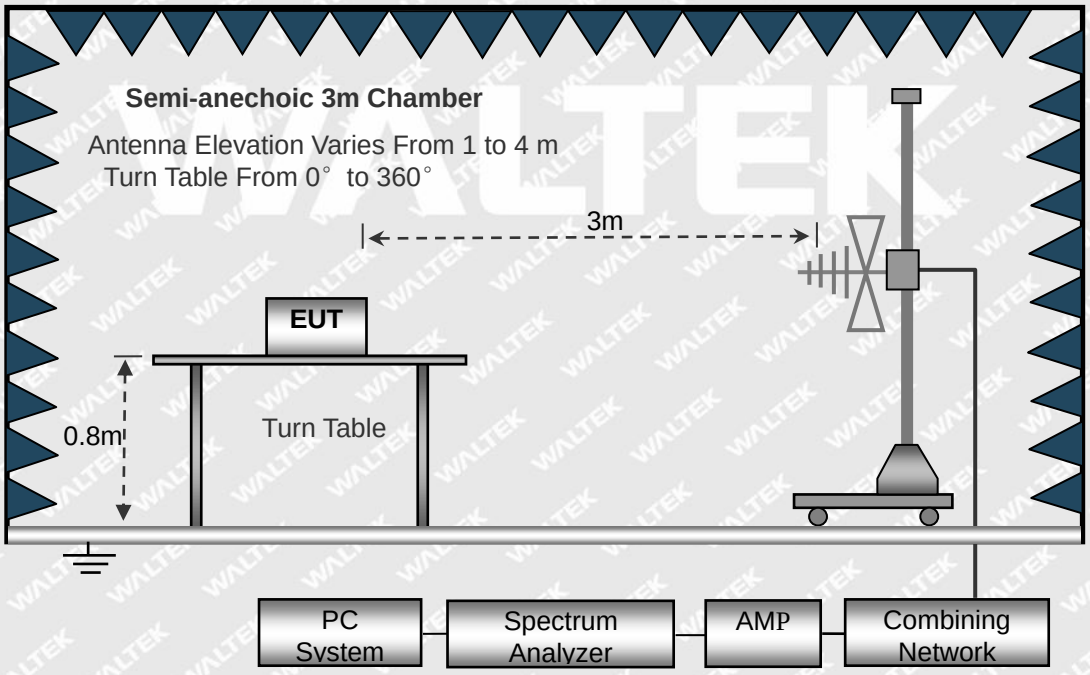
4. Radiated Emission

4.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any radiation emissions measurement:

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Radiated Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB

4.2 Basic Test Setup Block Diagram



4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Correct

Correct=Ant.Factor + Cable Loss - Ampl.Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit for Class B device. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – CISPR 11 Class B Limit

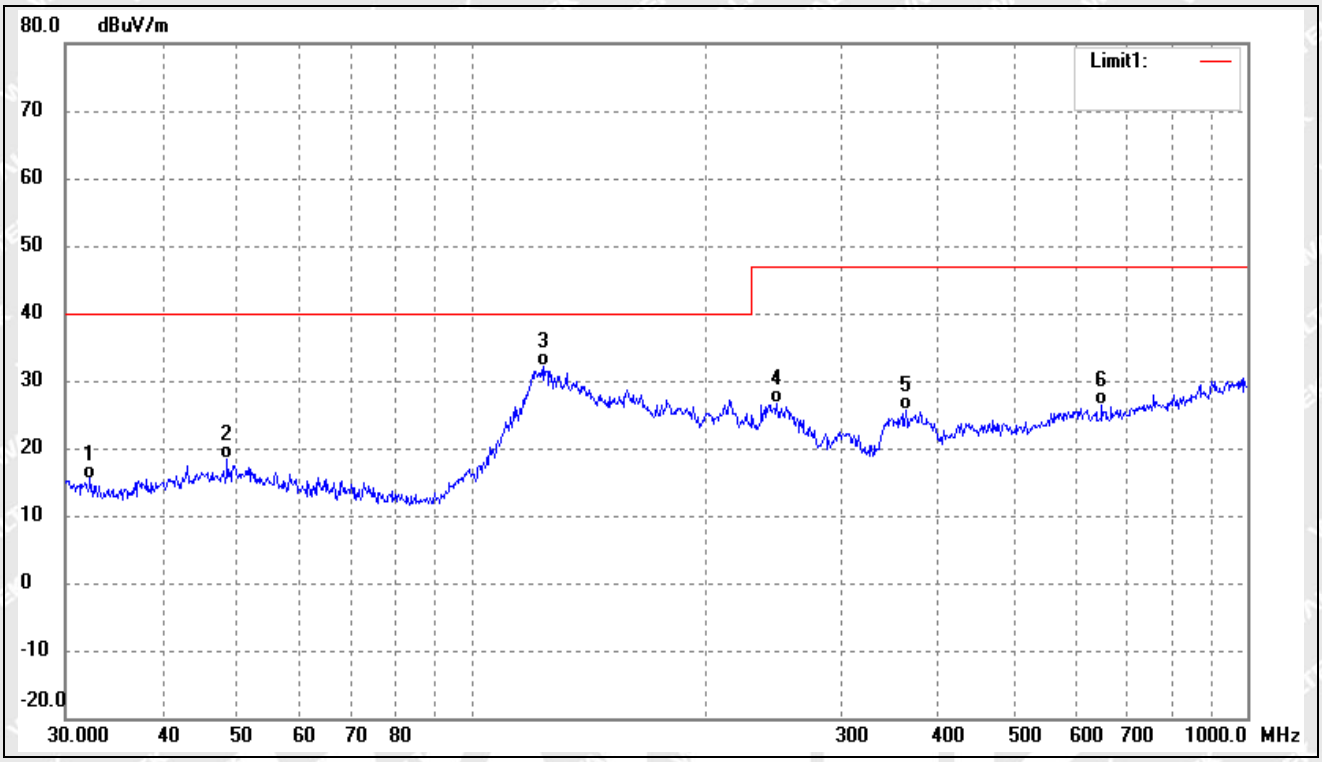
4.4 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

4.5 Summary of Test Results

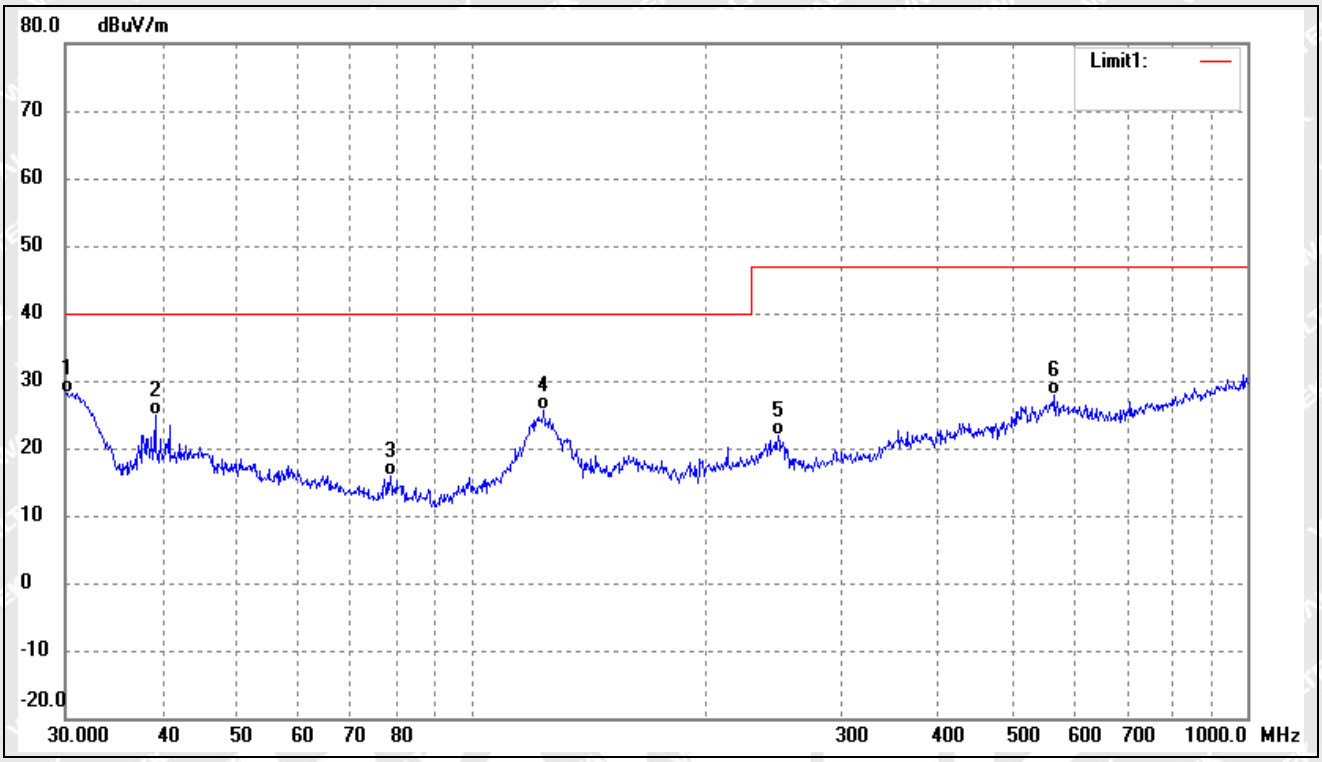
Please find the results below:

Test mode:	TM1	Polarity:	Horizontal



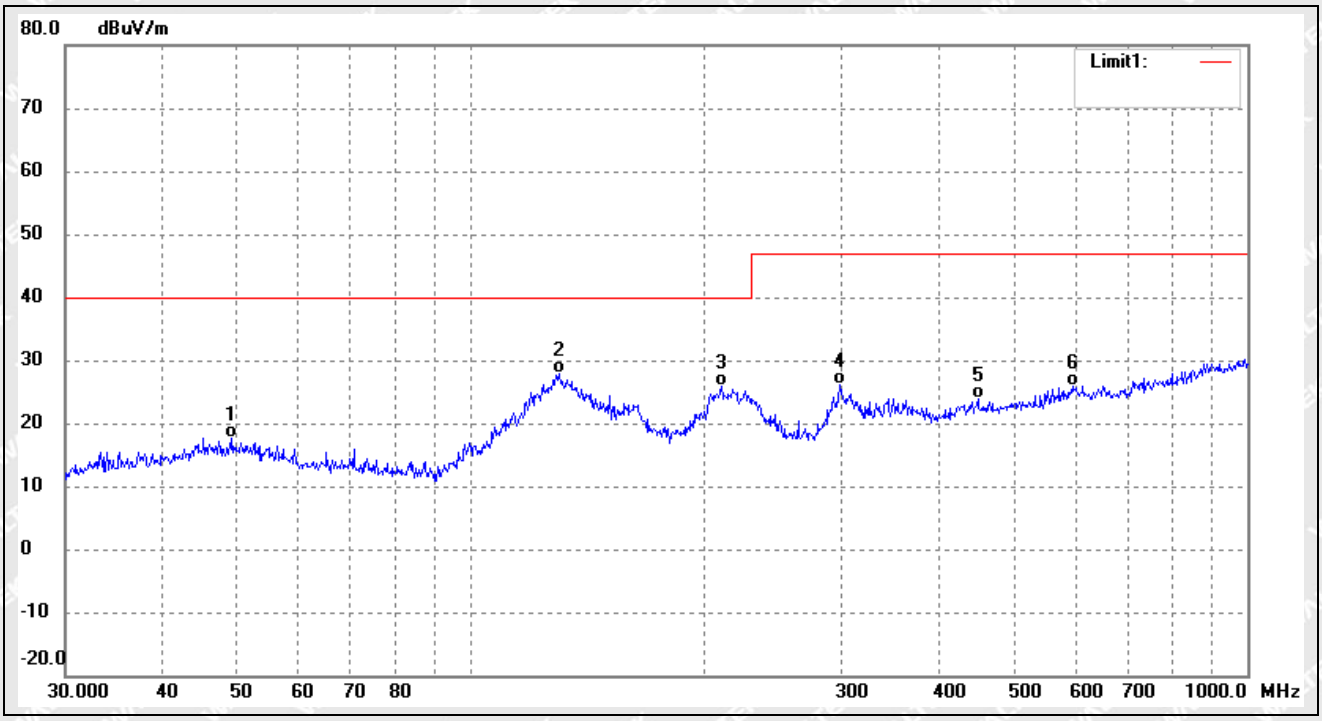
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	32.2924	28.80	-13.30	15.50	40.00	-24.50	278	100	QP
2	48.5016	28.61	-10.30	18.31	40.00	-21.69	92	100	QP
3	124.1329	46.38	-14.31	32.07	40.00	-7.93	80	100	QP
4	247.6819	36.18	-9.43	26.75	47.00	-20.25	102	100	QP
5	362.9844	31.55	-5.91	25.64	47.00	-21.36	185	100	QP
6	649.6597	28.88	-2.48	26.40	47.00	-20.60	241	100	QP

Test mode:	TM1	Polarity:	Vertical



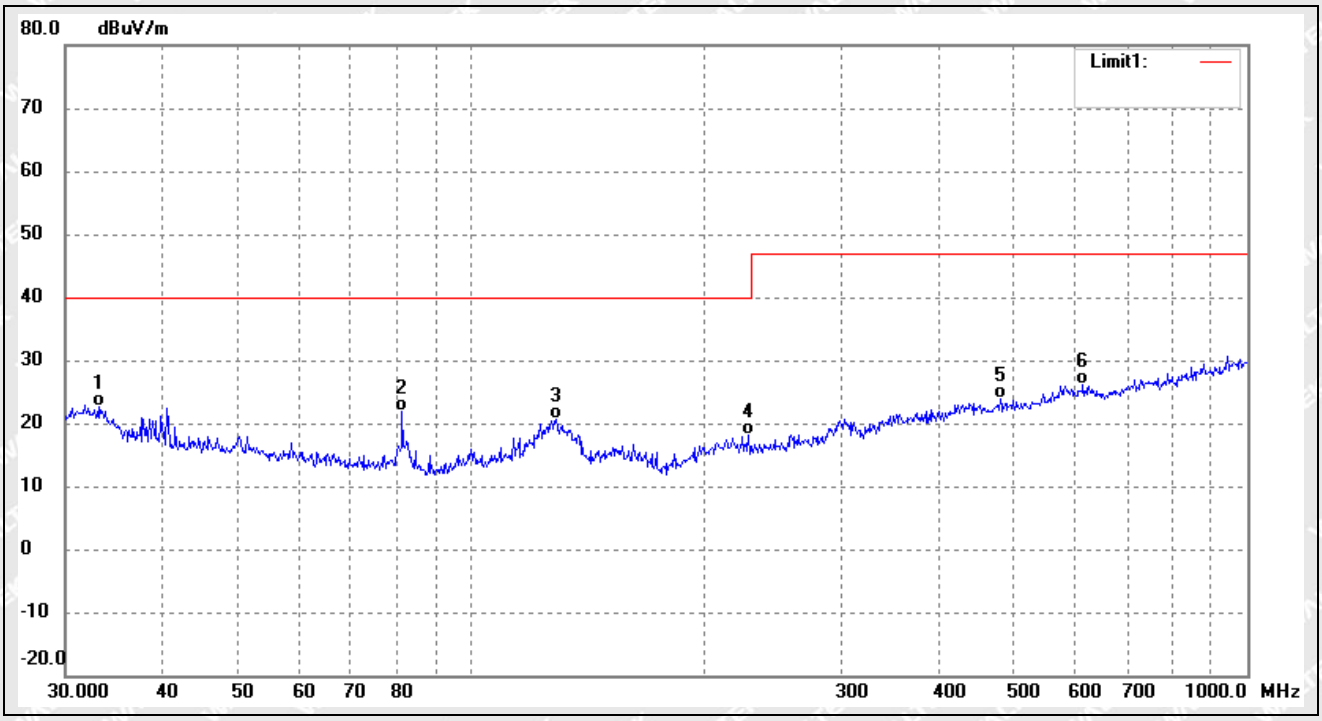
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	30.1053	42.06	-13.85	28.21	40.00	-11.79	291	100	QP
2	39.1615	36.74	-11.90	24.84	40.00	-15.16	100	100	QP
3	78.6888	29.92	-14.11	15.81	40.00	-24.19	197	100	QP
4	124.1329	40.03	-14.31	25.72	40.00	-14.28	116	100	QP
5	248.5518	31.19	-9.37	21.82	47.00	-25.18	348	100	QP
6	564.6389	31.05	-3.06	27.99	47.00	-19.01	297	100	QP

Test mode:	TM2	Polarity:	Horizontal



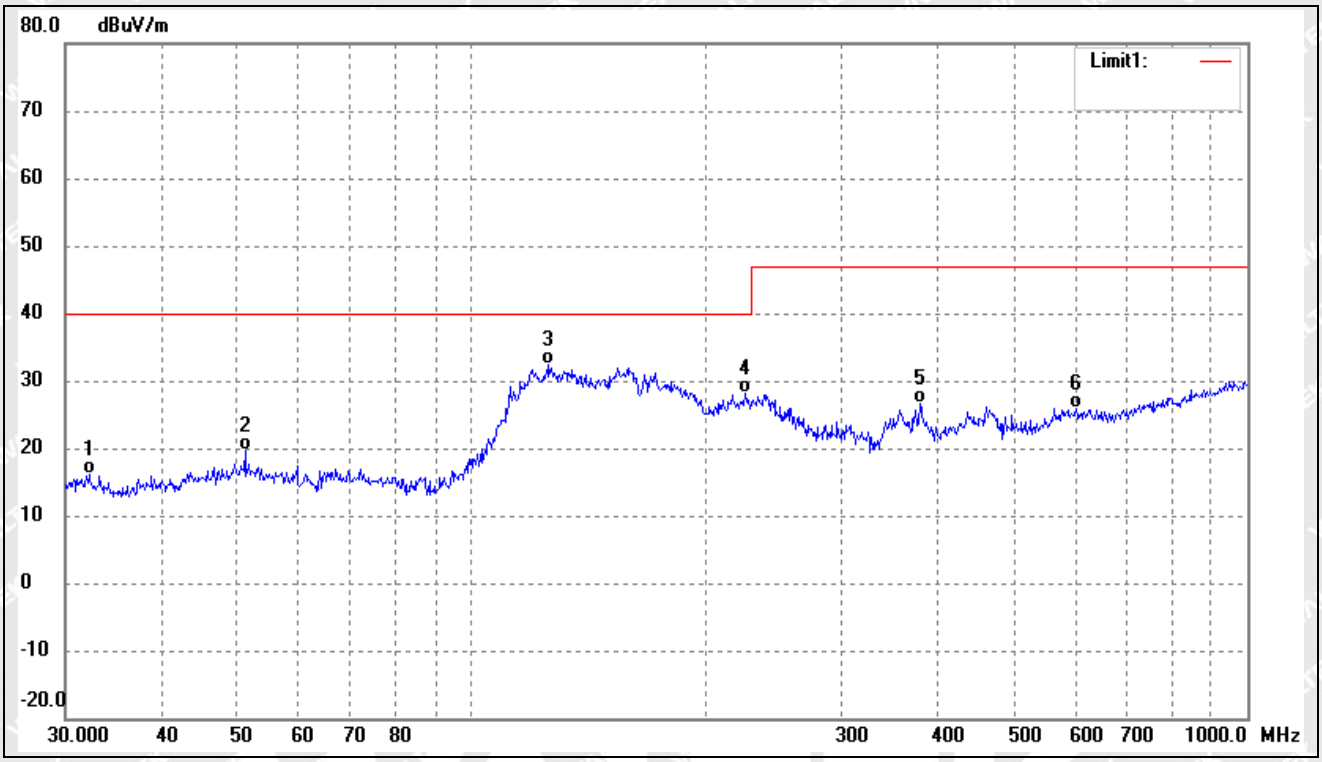
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.1865	27.93	-10.25	17.68	40.00	-22.32	158	100	QP
2	129.9226	43.67	-15.84	27.83	40.00	-12.17	295	100	QP
3	210.0482	36.91	-11.08	25.83	40.00	-14.17	84	100	QP
4	298.2681	33.54	-7.34	26.20	47.00	-20.80	226	100	QP
5	449.5558	28.38	-4.58	23.80	47.00	-23.20	355	100	QP
6	595.1329	28.24	-2.33	25.91	47.00	-21.09	298	100	QP

Test mode:	TM2	Polarity:	Vertical



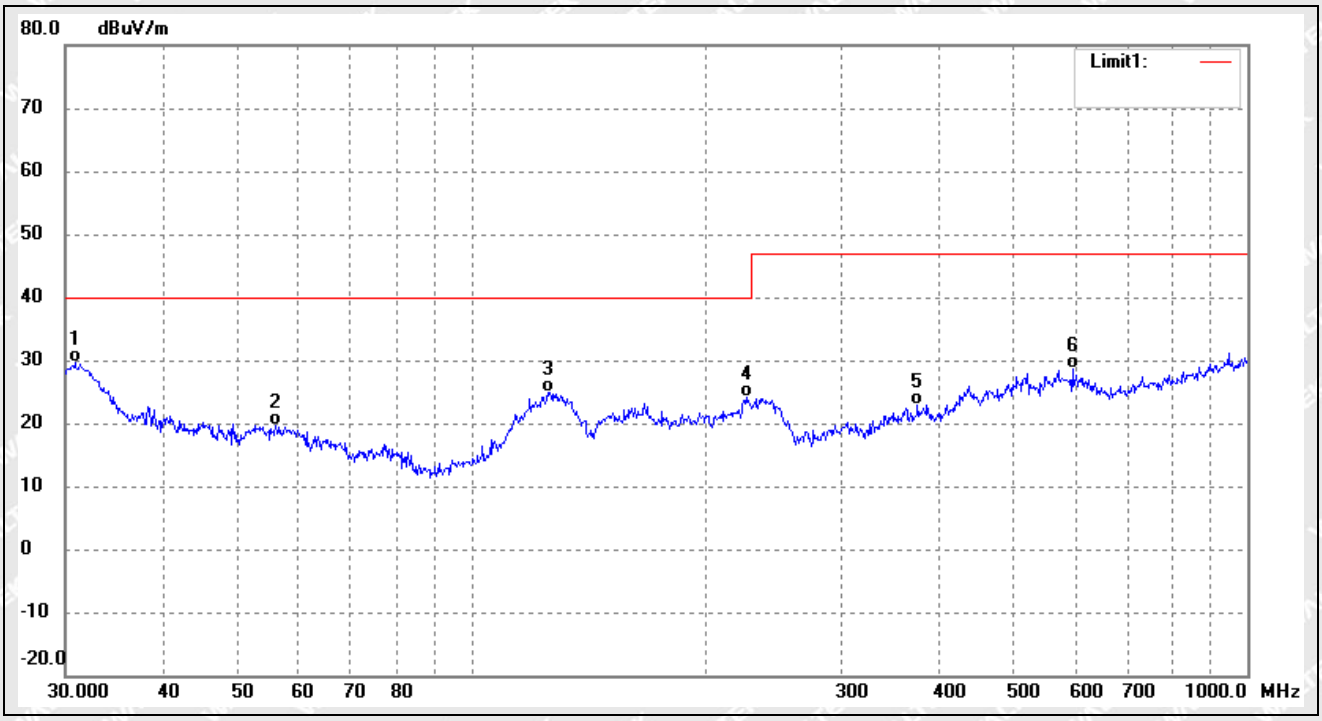
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	33.0950	35.77	-13.10	22.67	40.00	-17.33	284	100	QP
2	81.4970	36.15	-14.24	21.91	40.00	-18.09	128	100	QP
3	128.5630	36.00	-15.48	20.52	40.00	-19.48	66	100	QP
4	227.6906	28.61	-10.60	18.01	40.00	-21.99	282	100	QP
5	480.5276	28.52	-4.72	23.80	47.00	-23.20	177	100	QP
6	614.2142	28.37	-2.34	26.03	47.00	-20.97	258	100	QP

Test mode:	TM3	Polarity:	Horizontal



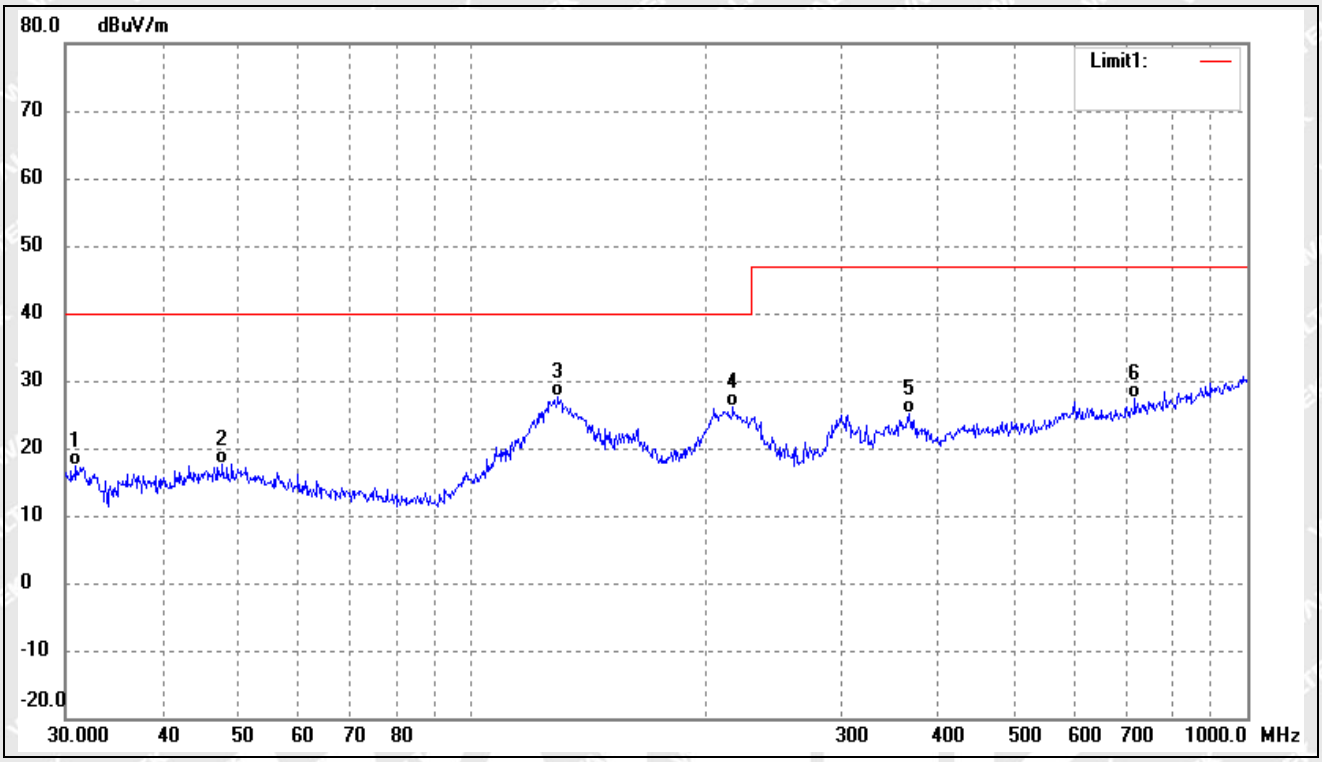
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	32.1795	29.36	-13.33	16.03	40.00	-23.97	151	100	QP
2	51.1209	30.05	-10.43	19.62	40.00	-20.38	90	100	QP
3	125.8864	47.22	-14.78	32.44	40.00	-7.56	125	100	QP
4	225.3080	38.75	-10.74	28.01	40.00	-11.99	93	100	QP
5	378.5843	32.27	-5.68	26.59	47.00	-20.41	345	100	QP
6	601.4265	28.24	-2.29	25.95	47.00	-21.05	101	100	QP

Test mode:	TM3	Polarity:	Vertical



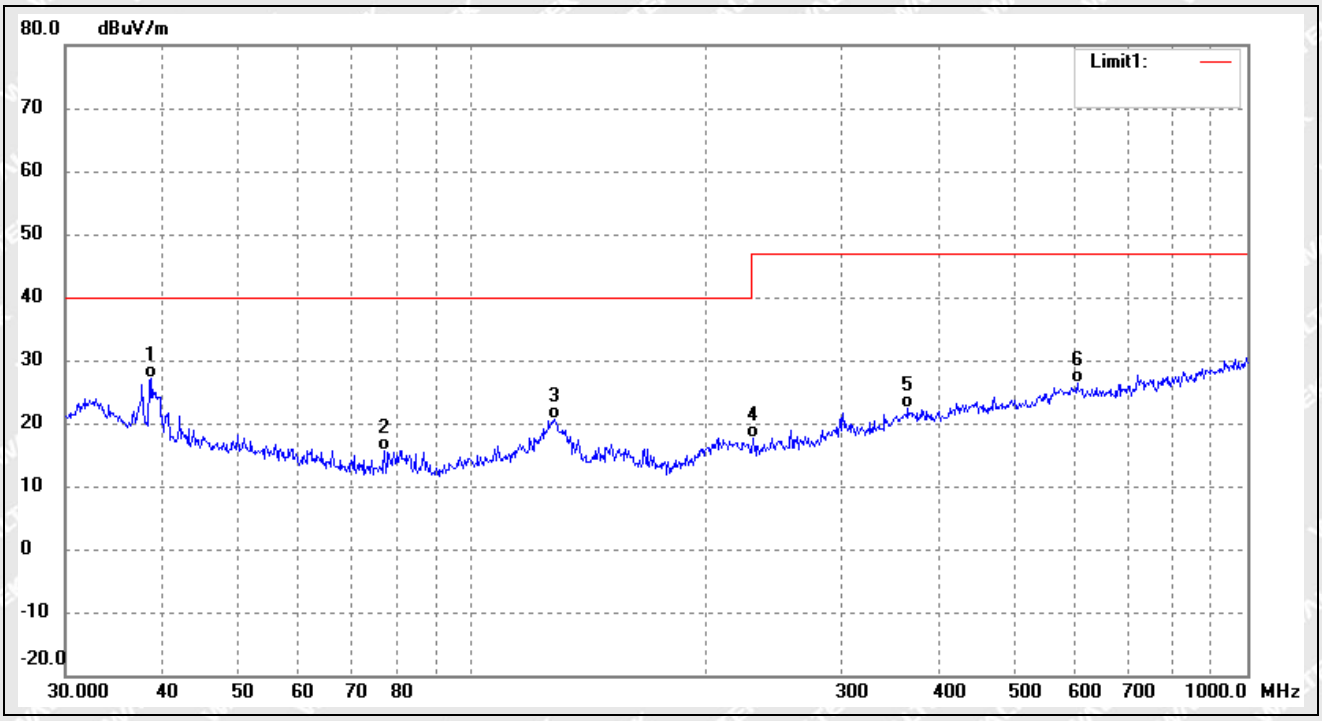
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	30.8535	43.25	-13.67	29.58	40.00	-10.42	92	100	QP
2	56.0007	31.01	-11.49	19.52	40.00	-20.48	196	100	QP
3	125.4457	39.55	-14.65	24.90	40.00	-15.10	91	100	QP
4	226.0994	34.86	-10.70	24.16	40.00	-15.84	114	100	QP
5	375.9385	28.66	-5.69	22.97	47.00	-24.03	297	100	QP
6	595.1329	31.08	-2.33	28.75	47.00	-18.25	162	100	QP

Test mode:	TM4	Polarity:	Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	30.9619	30.99	-13.64	17.35	40.00	-22.65	157	100	QP
2	47.8260	28.09	-10.35	17.74	40.00	-22.26	146	100	QP
3	129.4677	43.37	-15.71	27.66	40.00	-12.34	77	100	QP
4	217.5443	37.08	-10.92	26.16	40.00	-13.84	124	100	QP
5	366.8231	30.92	-5.84	25.08	47.00	-21.92	248	100	QP
6	716.6820	28.78	-1.52	27.26	47.00	-19.74	325	100	QP

Test mode:	TM4	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.7518	39.12	-11.98	27.14	40.00	-12.86	75	100	QP
2	77.3212	29.76	-14.04	15.72	40.00	-24.28	167	100	QP
3	128.1130	35.87	-15.36	20.51	40.00	-19.49	52	100	QP
4	230.9068	28.15	-10.42	17.73	47.00	-29.27	107	100	QP
5	365.5391	28.20	-5.86	22.34	47.00	-24.66	129	100	QP
6	603.5392	28.72	-2.30	26.42	47.00	-20.58	141	100	QP

5. Harmonic Current Emissions

5.1 Test Procedure

Test is conducted under the description of IEC 61000-3-2.

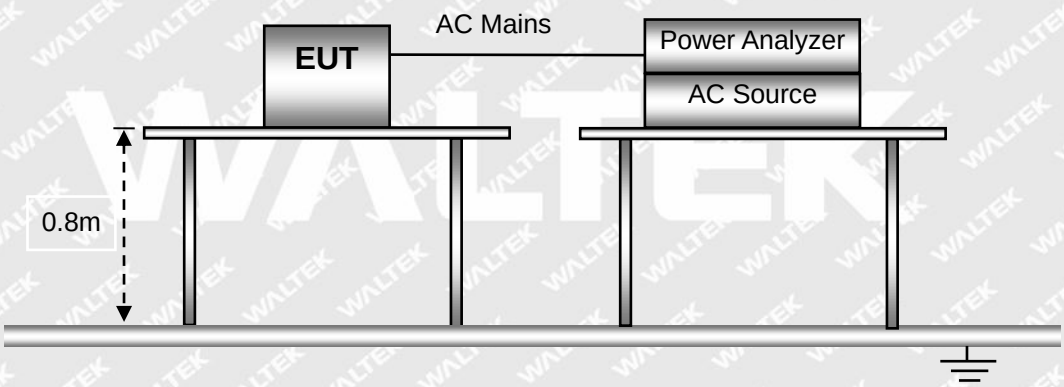
5.2 Test Standards

IEC 61000-3-2, Clause 7.2 Limits for Class A equipment.

5.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

5.4 Basic Test Setup Block Diagram



5.5 Harmonic Current Emissions Test Data

Test mode:	TM1

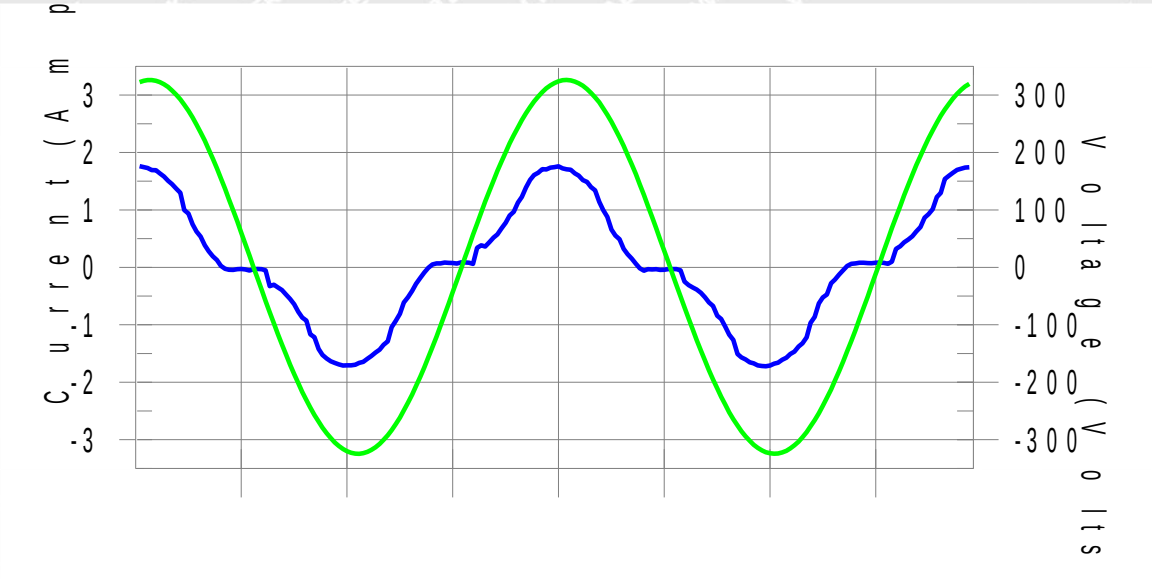
Harmonics – Class-A per IEC 61000-3-2:2018+AMD1:2020(Run time)

Comment: TM1

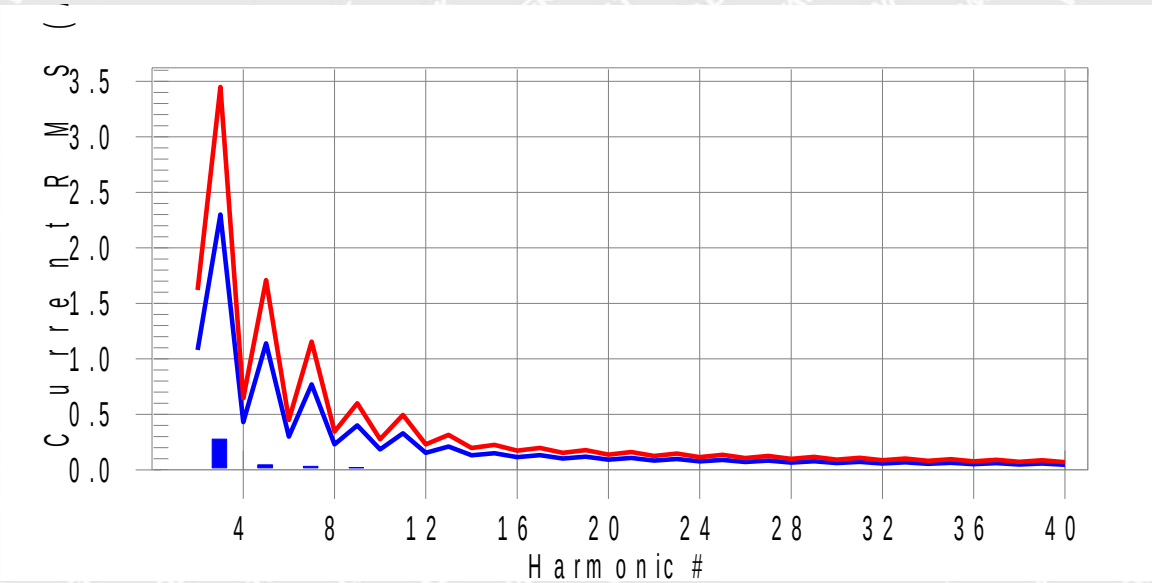
Customer: Customer information

Test Result: Pass **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Test result: Pass **Worst harmonics H39-10.4% of 150% limit, H39-14.8% of 100% limit**

Current Test Result Summary (Run time)

Comment: TM1
Customer: Customer information

Test Result: Pass **Source qualification: Normal**
THC(A): 0.284 **I-THD(%): 28.0** **POHC(A): 0.017** **POHC Limit(A): 0.251**

Highest parameter values during test:

V_RMS (Volts):	230.14	Frequency(Hz):	50.00
I_Peak (Amps):	2.286	I_RMS (Amps):	1.053
I_Fund (Amps):	1.013	Crest Factor:	2.177
Power (Watts):	230.0	Power Factor:	0.950

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	N/A	0.001	1.620	N/A	Pass
3	0.277	2.300	12.0	0.278	3.450	8.1	Pass
4	0.001	0.430	N/A	0.001	0.645	N/A	Pass
5	0.045	1.140	3.9	0.045	1.710	2.7	Pass
6	0.000	0.300	N/A	0.000	0.450	N/A	Pass
7	0.031	0.770	4.1	0.032	1.155	2.7	Pass
8	0.000	0.230	N/A	0.000	0.345	N/A	Pass
9	0.020	0.400	5.1	0.021	0.600	3.5	Pass
10	0.000	0.184	N/A	0.000	0.276	N/A	Pass
11	0.011	0.330	3.2	0.011	0.495	2.2	Pass
12	0.000	0.153	N/A	0.000	0.230	N/A	Pass
13	0.008	0.210	3.8	0.008	0.315	2.6	Pass
14	0.000	0.131	N/A	0.000	0.197	N/A	Pass
15	0.012	0.150	7.8	0.012	0.225	5.3	Pass
16	0.000	0.115	N/A	0.000	0.173	N/A	Pass
17	0.009	0.132	6.8	0.009	0.198	4.6	Pass
18	0.000	0.102	N/A	0.000	0.153	N/A	Pass
19	0.010	0.118	8.3	0.010	0.178	5.6	Pass
20	0.000	0.092	N/A	0.000	0.138	N/A	Pass
21	0.003	0.107	N/A	0.003	0.161	N/A	Pass
22	0.000	0.084	N/A	0.000	0.125	N/A	Pass
23	0.001	0.098	N/A	0.001	0.147	N/A	Pass
24	0.000	0.077	N/A	0.000	0.115	N/A	Pass
25	0.007	0.090	7.3	0.007	0.135	5.0	Pass
26	0.000	0.071	N/A	0.000	0.107	N/A	Pass
27	0.005	0.083	N/A	0.005	0.125	N/A	Pass
28	0.001	0.066	N/A	0.001	0.099	N/A	Pass

29	0.005	0.078	N/A	0.006	0.116	N/A	Pass
30	0.000	0.061	N/A	0.000	0.092	N/A	Pass
31	0.002	0.073	N/A	0.002	0.109	N/A	Pass
32	0.001	0.058	N/A	0.001	0.086	N/A	Pass
33	0.009	0.068	13.1	0.009	0.102	9.1	Pass
34	0.000	0.054	N/A	0.001	0.081	N/A	Pass
35	0.002	0.064	N/A	0.002	0.096	N/A	Pass
36	0.000	0.051	N/A	0.000	0.077	N/A	Pass
37	0.004	0.061	N/A	0.004	0.091	N/A	Pass
38	0.000	0.048	N/A	0.000	0.073	N/A	Pass
39	0.009	0.058	14.8	0.009	0.087	10.4	Pass
40	0.000	0.046	N/A	0.000	0.069	N/A	Pass

Voltage Source Verification Data (Run time)

Comment: TM1
Customer: Customer information

Test Result: Pass **Source qualification: Normal**

Highest parameter values during test:

Voltage (Vrms):	230.14	Frequency(Hz):	50.00
I_Peak (Amps):	2.286	I_RMS (Amps):	1.053
I_Fund (Amps):	1.013	Crest Factor:	2.177
Power (Watts):	230.0	Power Factor:	0.950

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.064	0.460	13.86	OK
3	0.573	2.070	27.68	OK
4	0.075	0.460	16.35	OK
5	0.058	0.920	6.30	OK
6	0.038	0.460	8.31	OK
7	0.049	0.690	7.10	OK
8	0.013	0.460	2.76	OK
9	0.018	0.460	3.86	OK
10	0.010	0.460	2.19	OK
11	0.016	0.230	6.77	OK
12	0.011	0.230	4.86	OK
13	0.017	0.230	7.34	OK
14	0.008	0.230	3.27	OK
15	0.007	0.230	2.97	OK
16	0.008	0.230	3.66	OK
17	0.012	0.230	5.34	OK
18	0.010	0.230	4.22	OK
19	0.011	0.230	4.84	OK
20	0.016	0.230	6.99	OK
21	0.010	0.230	4.17	OK
22	0.003	0.230	1.50	OK
23	0.005	0.230	2.13	OK
24	0.003	0.230	1.34	OK
25	0.009	0.230	4.04	OK
26	0.003	0.230	1.30	OK
27	0.009	0.230	3.70	OK
28	0.005	0.230	2.26	OK
29	0.011	0.230	4.68	OK

30	**0.003**	**0.230**	**1.10**	**OK**
31	**0.005**	**0.230**	**2.21**	**OK**
32	**0.003**	**0.230**	**1.11**	**OK**
33	**0.013**	**0.230**	**5.63**	**OK**
34	**0.003**	**0.230**	**1.30**	**OK**
35	**0.005**	**0.230**	**2.37**	**OK**
36	**0.003**	**0.230**	**1.25**	**OK**
37	**0.012**	**0.230**	**5.29**	**OK**
38	**0.003**	**0.230**	**1.17**	**OK**
39	**0.017**	**0.230**	**7.59**	**OK**
40	**0.008**	**0.230**	**3.42**	**OK**

Test mode:	TM2

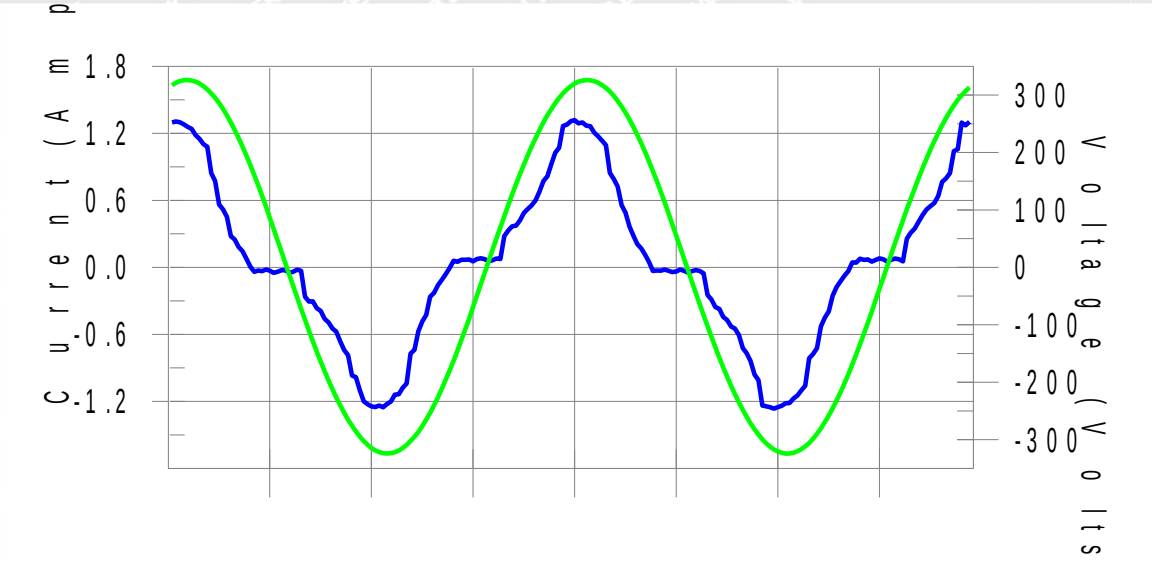
Harmonics – Class-A per IEC 61000-3-2:2018+AMD1:2020(Run time)

Comment: TM2

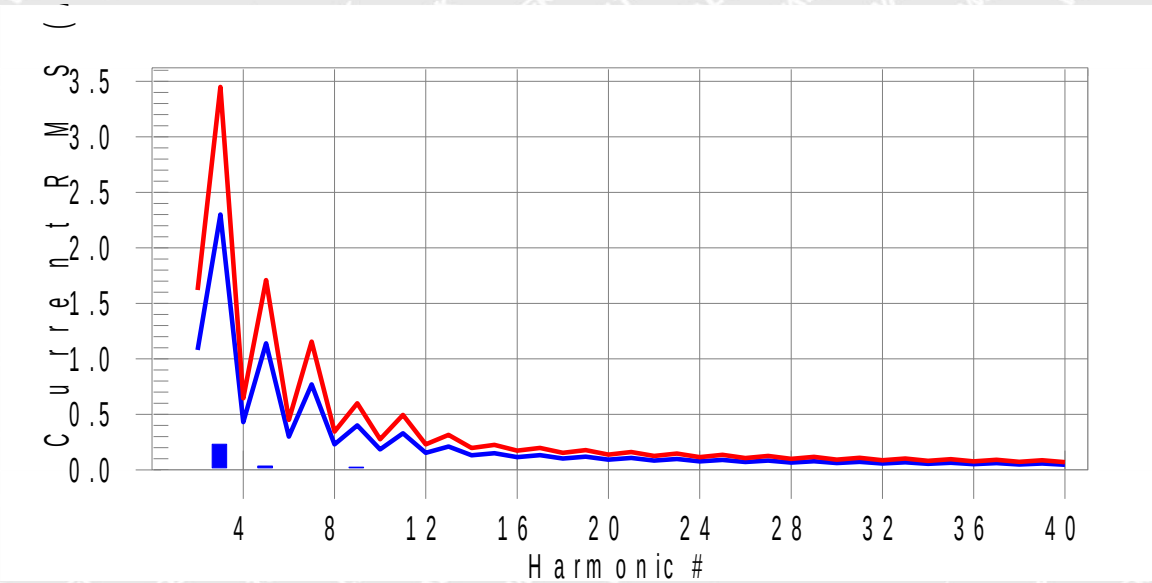
Customer: Customer information

Test Result: Pass **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Test result: Pass **Worst harmonics H37-10.6% of 150% limit, H37-15.5% of 100% limit**

Current Test Result Summary (Run time)

Comment: TM2
Customer: Customer information

Test Result: Pass **Source qualification: Normal**
THC(A): 0.236 **I-THD(%): 34.5** **POHC(A): 0.019** **POHC Limit(A): 0.251**

Highest parameter values during test:

V_RMS (Volts):	230.14	Frequency(Hz):	50.00
I_Peak (Amps):	1.331	I_RMS (Amps):	0.725
I_Fund (Amps):	1.032	Crest Factor:	1.841
Power (Watts):	221.6	Power Factor:	0.924

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	N/A	0.001	1.620	N/A	Pass
3	0.231	2.300	10.0	0.232	3.450	6.7	Pass
4	0.001	0.430	N/A	0.001	0.645	N/A	Pass
5	0.035	1.140	3.1	0.036	1.710	2.1	Pass
6	0.000	0.300	N/A	0.000	0.450	N/A	Pass
7	0.015	0.770	1.9	0.015	1.155	1.3	Pass
8	0.000	0.230	N/A	0.000	0.345	N/A	Pass
9	0.025	0.400	6.1	0.025	0.600	4.2	Pass
10	0.000	0.184	N/A	0.000	0.276	N/A	Pass
11	0.009	0.330	2.9	0.010	0.495	2.0	Pass
12	0.000	0.153	N/A	0.000	0.230	N/A	Pass
13	0.010	0.210	4.9	0.011	0.315	3.3	Pass
14	0.000	0.131	N/A	0.000	0.197	N/A	Pass
15	0.007	0.150	4.7	0.007	0.225	3.3	Pass
16	0.000	0.115	N/A	0.000	0.173	N/A	Pass
17	0.005	0.132	4.1	0.006	0.198	2.9	Pass
18	0.000	0.102	N/A	0.000	0.153	N/A	Pass
19	0.002	0.118	N/A	0.002	0.178	N/A	Pass
20	0.000	0.092	N/A	0.000	0.138	N/A	Pass
21	0.010	0.107	9.5	0.010	0.161	6.5	Pass
22	0.000	0.084	N/A	0.000	0.125	N/A	Pass
23	0.005	0.098	5.1	0.006	0.147	3.8	Pass
24	0.000	0.077	N/A	0.000	0.115	N/A	Pass
25	0.003	0.090	N/A	0.003	0.135	N/A	Pass
26	0.000	0.071	N/A	0.000	0.107	N/A	Pass
27	0.004	0.083	N/A	0.004	0.125	N/A	Pass
28	0.001	0.066	N/A	0.001	0.099	N/A	Pass

29	0.005	0.078	6.5	0.005	0.116	4.6	Pass
30	0.000	0.061	N/A	0.000	0.092	N/A	Pass
31	0.002	0.073	N/A	0.002	0.109	N/A	Pass
32	0.001	0.058	N/A	0.001	0.086	N/A	Pass
33	0.008	0.068	11.6	0.008	0.102	8.0	Pass
34	0.000	0.054	N/A	0.000	0.081	N/A	Pass
35	0.002	0.064	N/A	0.003	0.096	N/A	Pass
36	0.000	0.051	N/A	0.000	0.077	N/A	Pass
37	0.009	0.061	15.5	0.010	0.091	10.6	Pass
38	0.000	0.048	N/A	0.000	0.073	N/A	Pass
39	0.006	0.058	10.5	0.006	0.087	7.4	Pass
40	0.000	0.046	N/A	0.000	0.069	N/A	Pass

Voltage Source Verification Data (Run time)

Comment: TM2
Customer: Customer information

Test Result: Pass **Source qualification: Normal**

Highest parameter values during test:

Voltage (Vrms):	230.14	Frequency(Hz):	50.00
I_Peak (Amps):	1.331	I_RMS (Amps):	0.725
I_Fund (Amps):	1.032	Crest Factor:	1.841
Power (Watts):	221.6	Power Factor:	0.924

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.061	0.460	13.27	OK
3	0.565	2.071	27.27	OK
4	0.075	0.460	16.27	OK
5	0.044	0.920	4.81	OK
6	0.039	0.460	8.44	OK
7	0.033	0.690	4.80	OK
8	0.014	0.460	2.96	OK
9	0.018	0.460	3.90	OK
10	0.011	0.460	2.35	OK
11	0.013	0.230	5.84	OK
12	0.011	0.230	4.71	OK
13	0.012	0.230	5.06	OK
14	0.007	0.230	3.08	OK
15	0.012	0.230	5.12	OK
16	0.007	0.230	3.21	OK
17	0.012	0.230	5.05	OK
18	0.011	0.230	4.93	OK
19	0.011	0.230	4.57	OK
20	0.015	0.230	6.42	OK
21	0.015	0.230	6.67	OK
22	0.003	0.230	1.44	OK
23	0.007	0.230	2.94	OK
24	0.003	0.230	1.44	OK
25	0.006	0.230	2.69	OK
26	0.003	0.230	1.44	OK
27	0.004	0.230	1.82	OK
28	0.005	0.230	2.10	OK
29	0.005	0.230	2.02	OK

30	**0.002**	**0.230**	**1.07**	**OK**
31	**0.008**	**0.230**	**3.62**	**OK**
32	**0.003**	**0.230**	**1.22**	**OK**
33	**0.012**	**0.230**	**5.12**	**OK**
34	**0.003**	**0.230**	**1.24**	**OK**
35	**0.005**	**0.230**	**2.36**	**OK**
36	**0.003**	**0.230**	**1.12**	**OK**
37	**0.018**	**0.230**	**7.71**	**OK**
38	**0.003**	**0.230**	**1.14**	**OK**
39	**0.016**	**0.230**	**6.80**	**OK**
40	**0.008**	**0.230**	**3.33**	**OK**

6. Voltage Fluctuation Flicker

6.1 Test Procedure

Test is conducted under the description of IEC 61000-3-3.

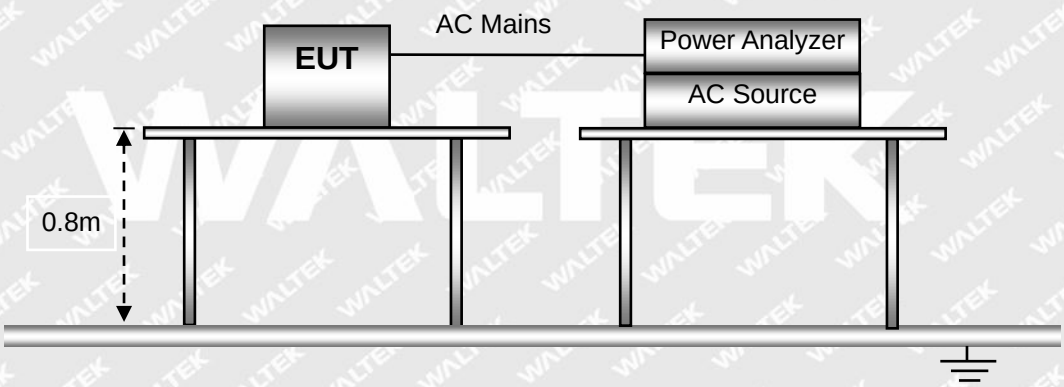
6.2 Test Standards

IEC 61000-3-3, Limit: Clause 5.

6.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

6.4 Basic Test Setup Block Diagram



6.5 Voltage Fluctuation and Flicker Test Data

Test mode:	TM1

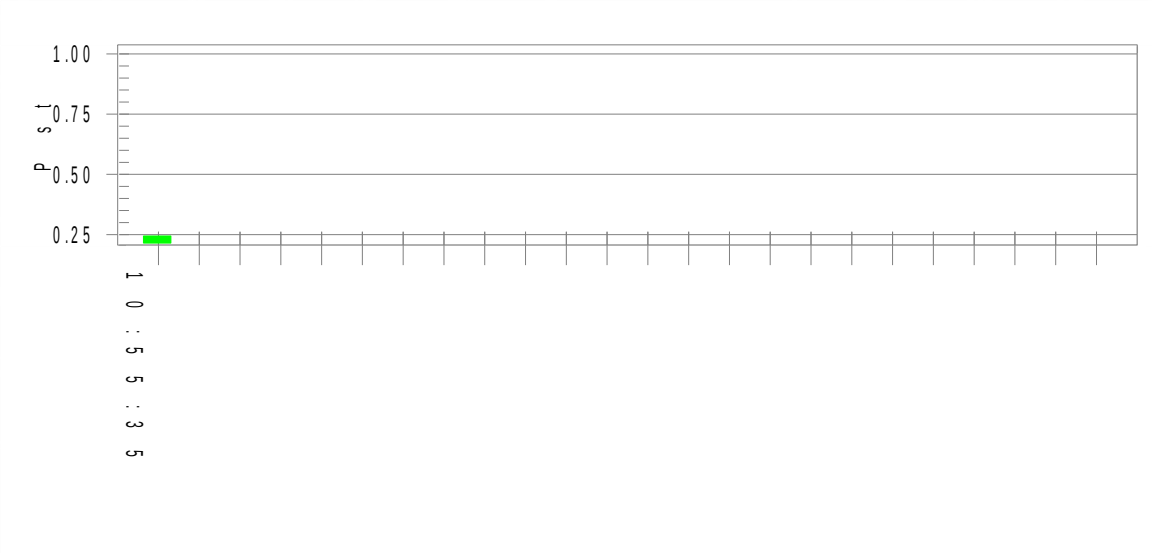
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM1

Customer: Customer information

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):	**230.04**			
Highest dt (%):		**Test limit (%):**		
T-max (mS):	**0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.244**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.107**	**Test limit:**	**0.650**	**Pass**

Test mode:	TM2

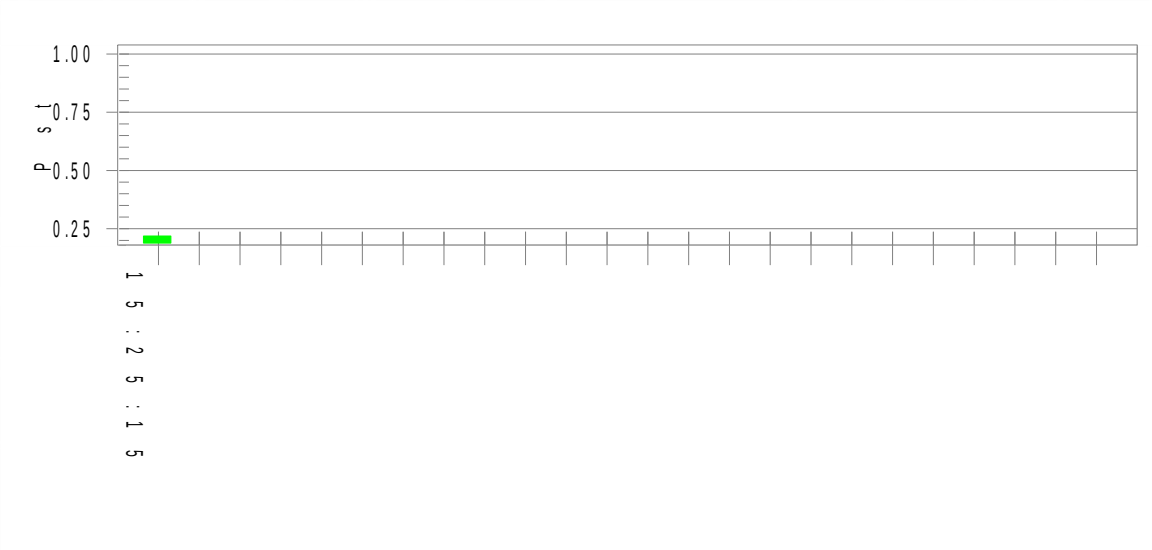
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM2

Customer: Customer information

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):	**230.09**			
Highest dt (%):		**Test limit (%):**		
T-max (mS):	**0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.219**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.096**	**Test limit:**	**0.650**	**Pass**

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

Test is conducted under the description of IEC 61000-4-2.

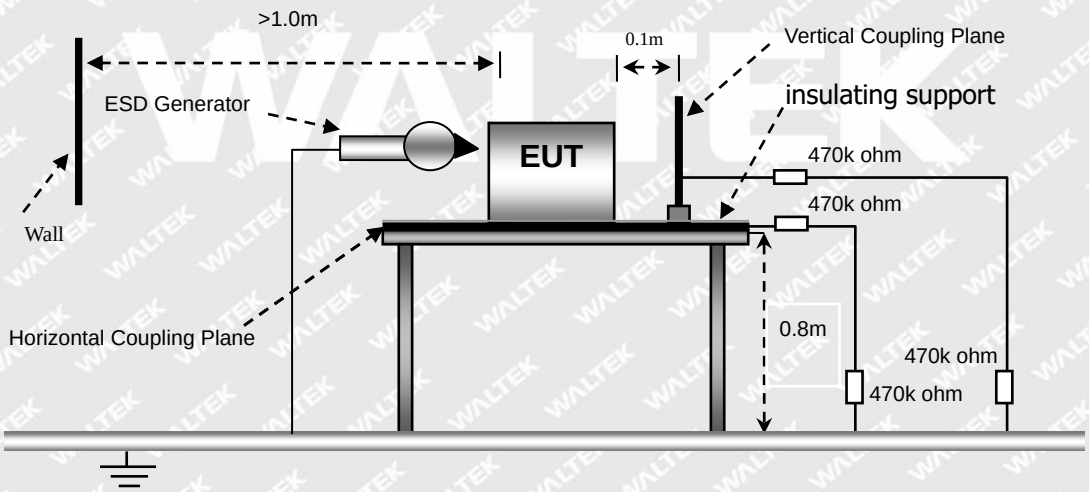
7.2 Test Performance

Performance Criterion: B

7.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

7.4 Basic Test Setup Block Diagram



7.5 Electrostatic Discharge Immunity Test Data

Table 1: Electrostatic Discharge Immunity (Air Discharge)

IEC 61000-4-2	Test Voltage (kV)											
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15	-20	+20
Shell edge crack	A	A	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

IEC 61000-4-2	Test Voltage (kV)											
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15	-20	+20
/	/	/	/	/	/	/	/	/	/	/	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP & VCP)

IEC 61000-4-2	Test Voltage (kV)											
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-10	+10	-20	+20
HCP (6 Sides)	A	A	A	A	A	A	A	A	A	A	/	/
VCP (4 Sides)	A	A	A	A	A	A	A	A	A	A	/	/

Test Result: Pass

8. Continuous RF Electromagnetic Field Disturbances (RS)

8.1 Test Procedure

Test is conducted under the description of IEC 61000-4-3.

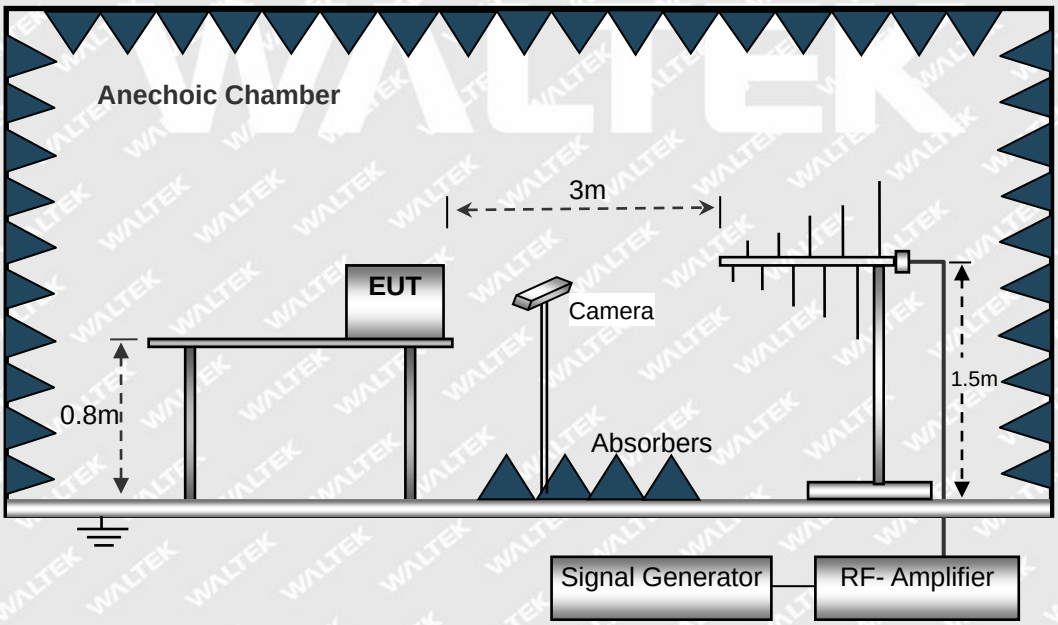
8.2 Test Performance

Performance Criterion: A

8.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

8.4 Basic Test Setup Block Diagram



8.5 Continuous Radiated Disturbances Test Data

Frequency step: 1% of fundamental
Dwell time: 1 second
Modulation: AM by 1kHz sine wave with 80% modulation depth

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
80-2700	10	A	A	A	A	A	A	A	A

Test Result: Pass

9. Electrical Fast Transients (EFT)

9.1 Test Procedure

Test is conducted under the description of IEC 61000-4-4.

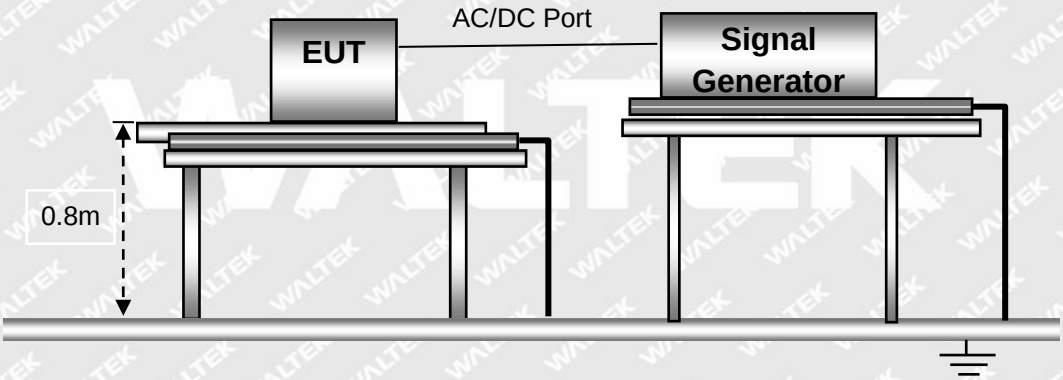
9.2 Test Performance

Performance Criterion: B

9.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

9.4 Basic Test Setup Block Diagram



9.5 Electrical Fast Transients Test Data

Repetition frequency 100 kHz

IEC 61000-4-4 Test Points		Test Voltage (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L	/	/	/	/	A	A	A	A
	N	/	/	/	/	A	A	A	A
	PE	/	/	/	/	A	A	A	A
	L+N	/	/	/	/	A	A	A	A
	L+PE	/	/	/	/	A	A	A	A
	N+PE	/	/	/	/	A	A	A	A
	L+N+PE	/	/	/	/	A	A	A	A
Signal ports	RJ45	/	/	/	/	/	/	/	/

Test Result: Pass

10. Surges

10.1 Test Procedure

Test is conducted under the description of IEC 61000-4-5.

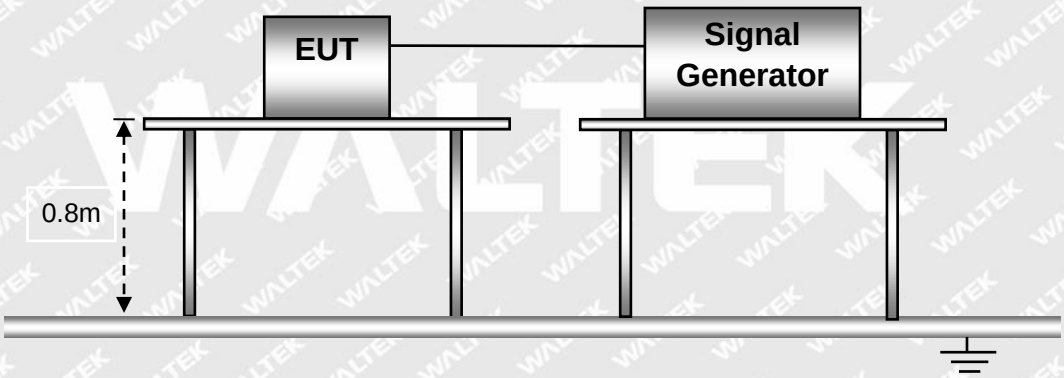
10.2 Test Performance

Performance Criterion: B

10.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

10.4 Basic Test Setup Block Diagram



10.5 Surge Test Data

Test Voltage (kV)	Poll	Path	Pass	Fail
0.5kV	±	L-N, L-PE, N-PE	A	/
1kV	±	L-N, L-PE, N-PE	A	/
2kV	±	L-N, L-PE, N-PE	A	/
4kV	±	L-PE, N-PE	A	/

Test Result: Pass

11. Continuous Induced RF Disturbances (C/S)

11.1 Test Procedure

Test is conducted under the description of IEC 61000-4-6.

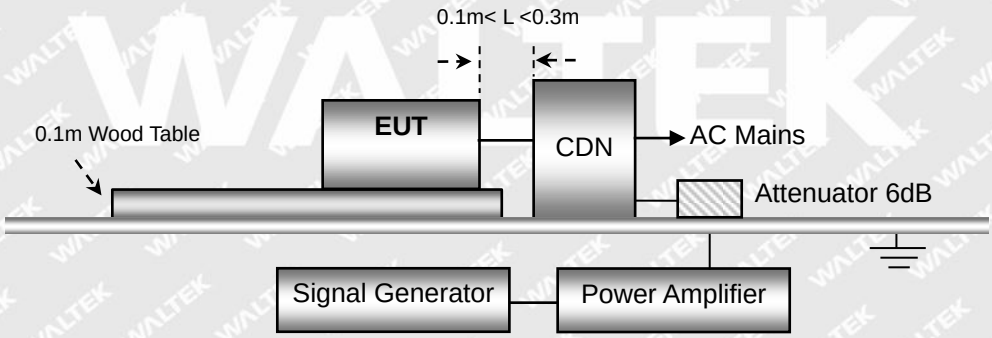
11.2 Test Performance

Performance Criterion: A

11.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

11.4 Basic Test Setup Block Diagram



11.5 Continuous Conducted Disturbances Test Data

Sweep frequency range: 0.15 MHz to 80 MHz
Frequency step: 1% of fundamental
Dwell time: 1 second

AC Port

Frequency MHz	Injected Position	Voltage level (e.m.f.)	Observations (Performance Criterion)	Result
0.15-80	AC Mains	1V	/	Pass
0.15-80	AC Mains	3V	A	Pass
0.15-80	AC Mains	10V	/	Pass

Test Result: Pass

12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

Test is conducted under the description of IEC 61000-4-8.

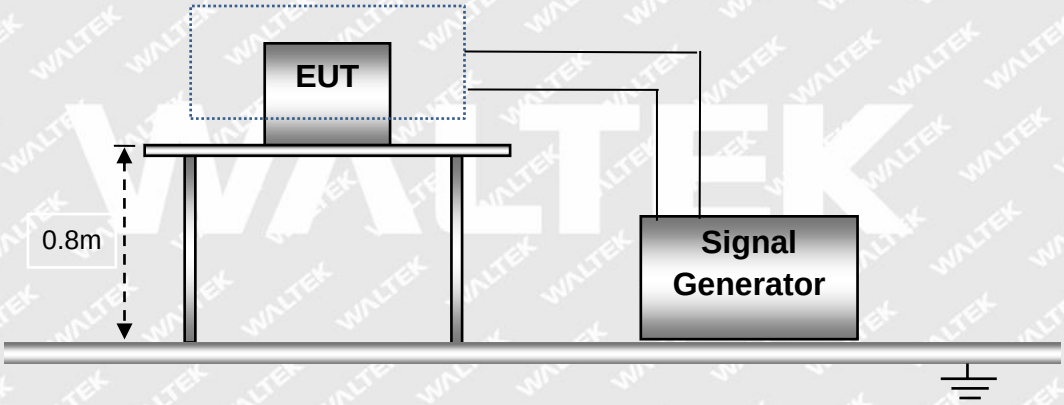
12.2 Test Performance

Performance Criterion: A

12.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

12.4 Basic Test Setup Block Diagram



12.5 Power-Frequency Magnetic Field Test Data

Level	Magnetic Field Strength (r.m.s) A/m	Frequency Hz	Induction Coil Postion	Pass	Fail
1	1	50/60	X, Y, Z	/	/
2	3	50/60	X, Y, Z	/	/
3	10	50/60	X, Y, Z	/	/
4	30	50/60	X, Y, Z	A	/

Test Result: Pass

13. Voltage Dips and Interruptions

13.1 Test Procedure

Test is conducted under the description of IEC 61000-4-11.

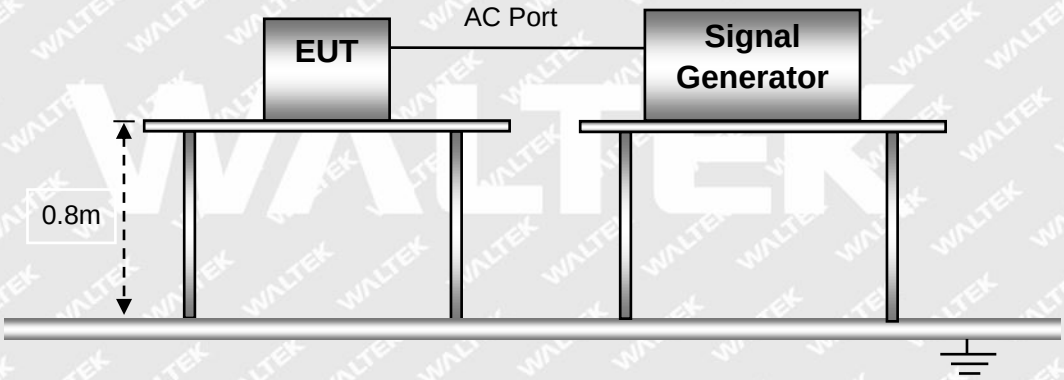
13.2 Test Performance

Performance Criterion: B/C

13.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	997 mbar

13.4 Basic Test Setup Block Diagram



13.5 Voltage Dips And Interruptions Test Data

U: Vlotage dips in % U_T (U_T is rated voltage for the EUT)

T: Test duration

Level	U	T	Phase Angle	N	Pass	Fail
1	100%	10ms	0°/45°/90°/135°/180°,225°/270°/315°	3	A	/
2	100%	20ms	0°/45°/90°/135°/180°,225°/270°/315°	3	A	/
3	70%	500ms/600ms	0°/45°/90°/135°/180°,225°/270°/315°	3	B	/
4	100%	5000ms/6000ms	0°/45°/90°/135°/180°,225°/270°/315°	3	C	/

Test Result: Pass

EXHIBIT 1 - PRODUCT LABELING

Proposed CE Label Format

Power Supply
Model: GT*96225*P*****-*
Brand: GlobTek, Inc.
Importer Name: XXX
Importer Address: XXX
1: GlobTek, Inc. 2: GlobTek (Suzhou) Co., Ltd
1: 186 Veterans Dr. Northvale, NJ 07647 USA
2: Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou,JiangSu 215021, China

Specifications: Text is Black in color and is justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT. The 'CE' marking must be affixed to the EUT or to its data plate. Where this is not possible or not warranted on account of the nature of the apparatus, it must be affixed to the packaging, if any, and to the accompanying documents. The 'CE' marking must have a height of at least 5 mm. If the 'CE' marking is reduced or enlarged the proportions given in the above graduated drawing must be respected. The Importer name, address and Manufacturer name and address should indicate on marking label or packaging or in a document accompanying.

Proposed Label Location on EUT

Label Location

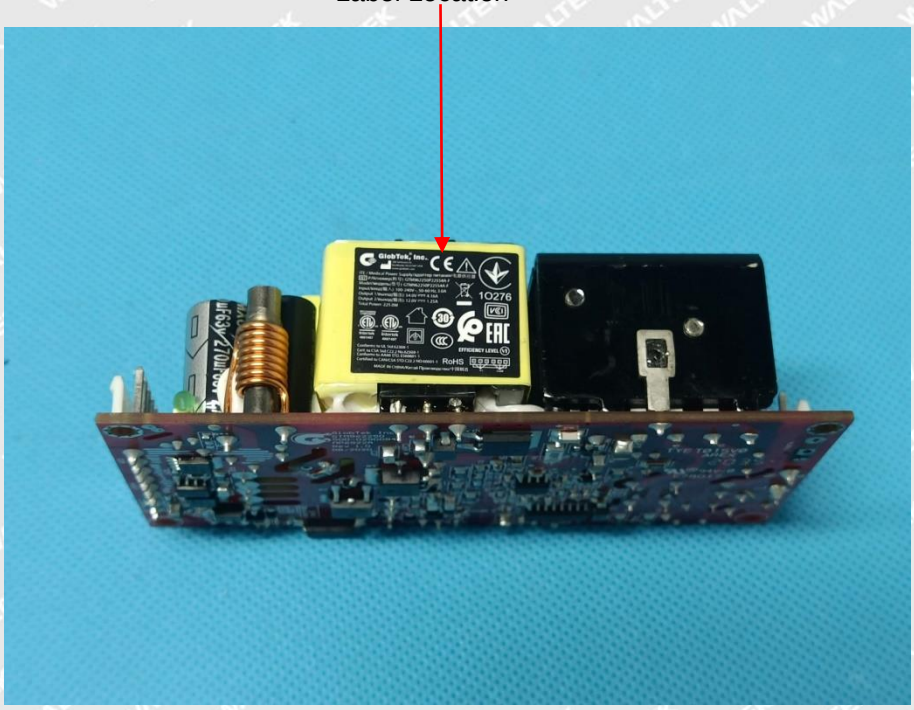
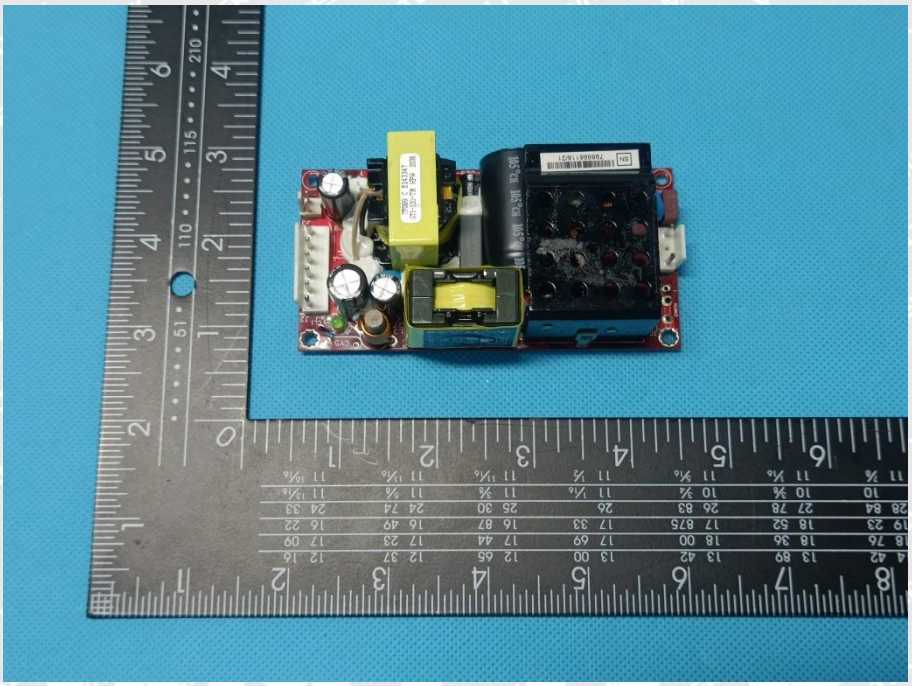


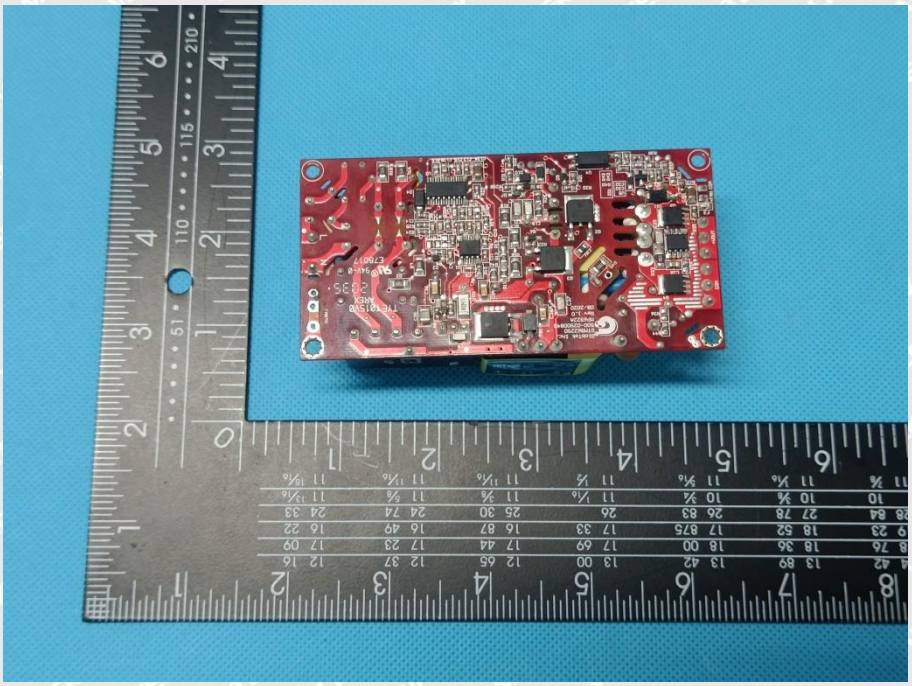
EXHIBIT 2 - EUT PHOTOGRAPHS

GTM962250P22554A-FW

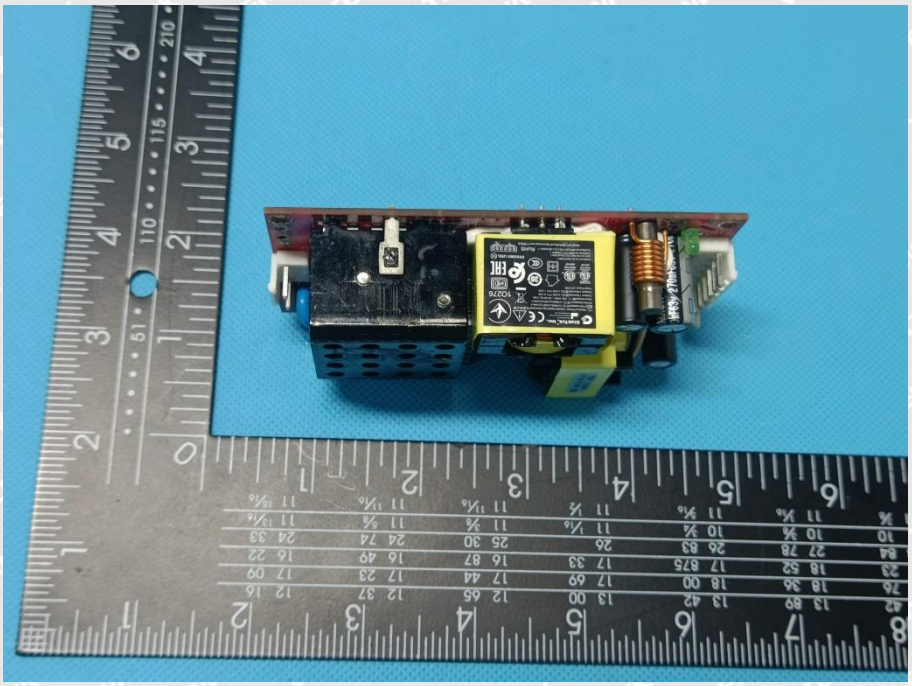
EUT View 1



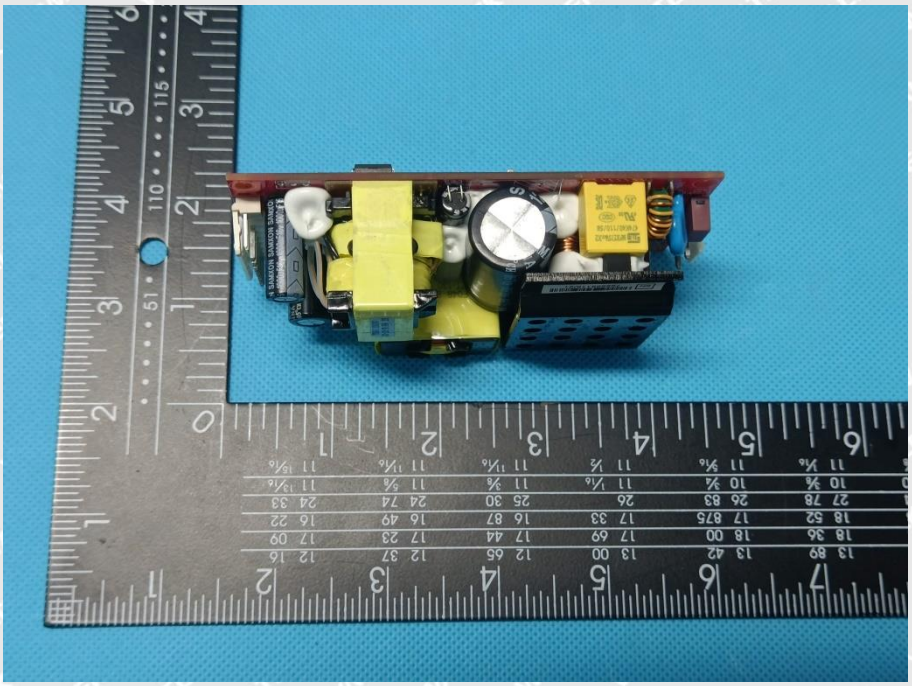
EUT View 2



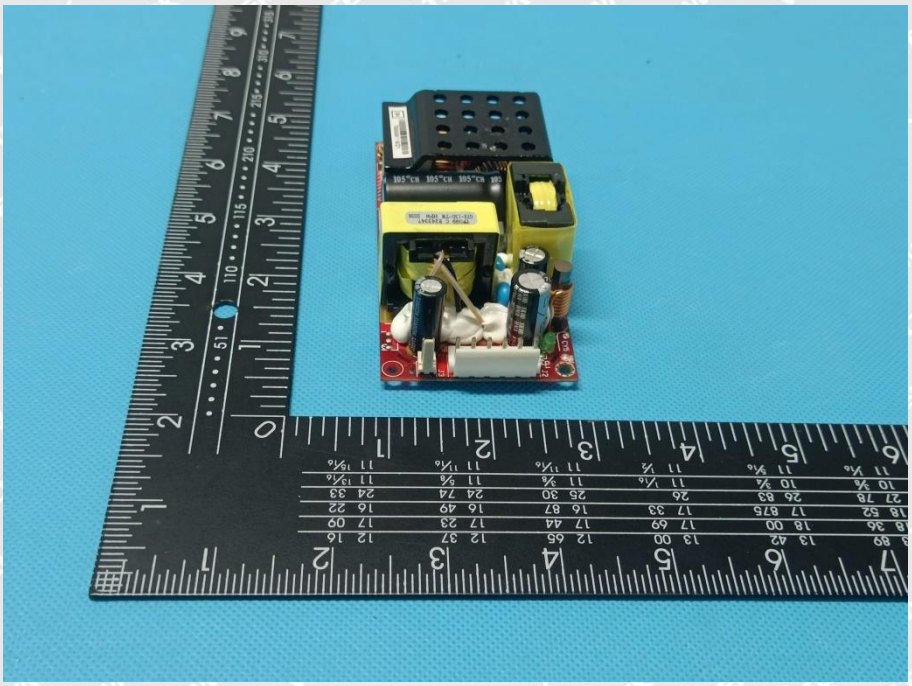
EUT View 3



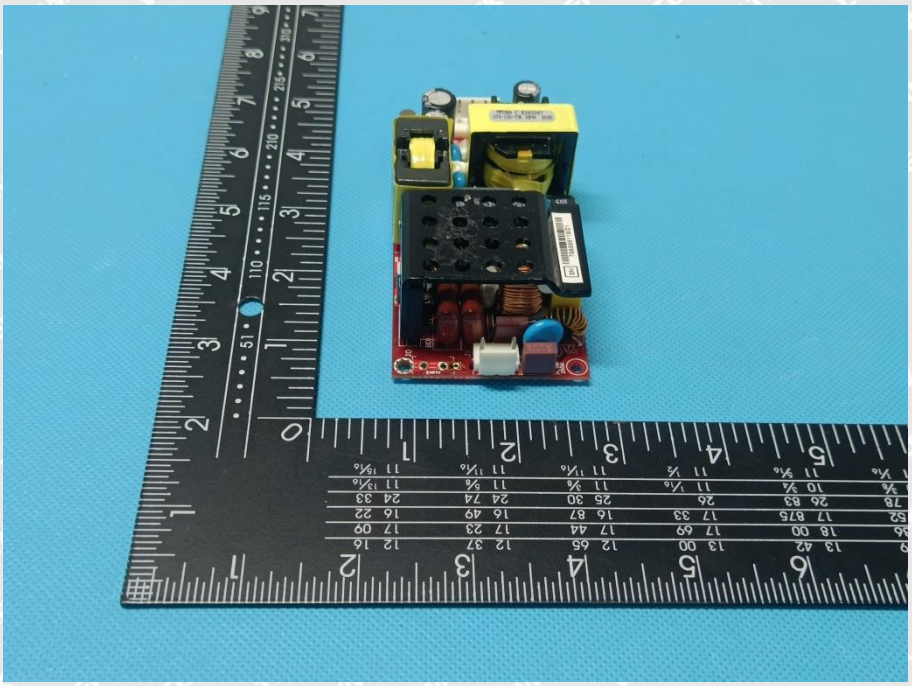
EUT View 4



EUT View 5

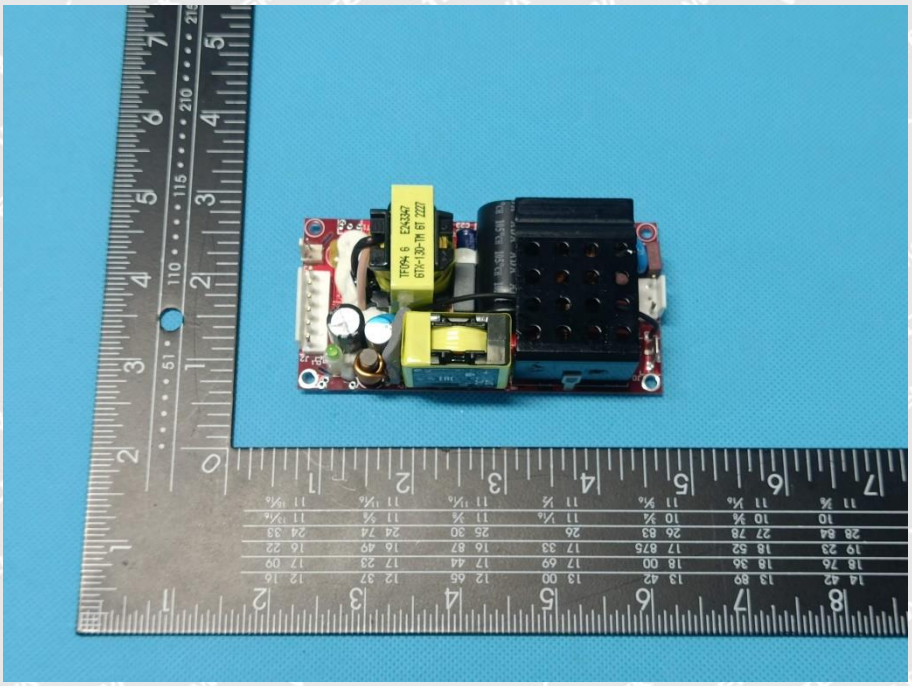


EUT View 6

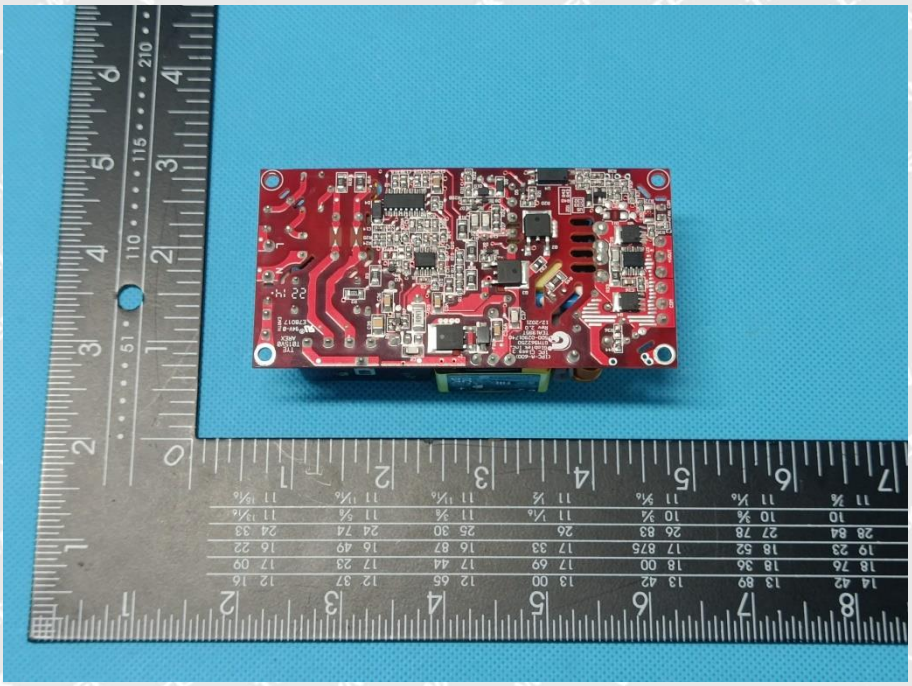


GTM962250P22512A-F

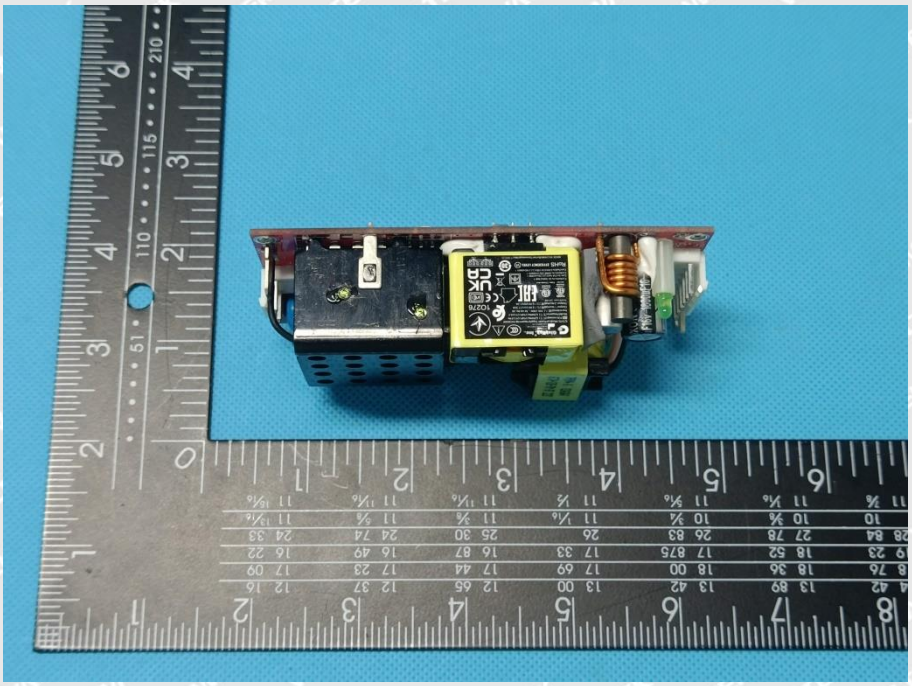
EUT View 7



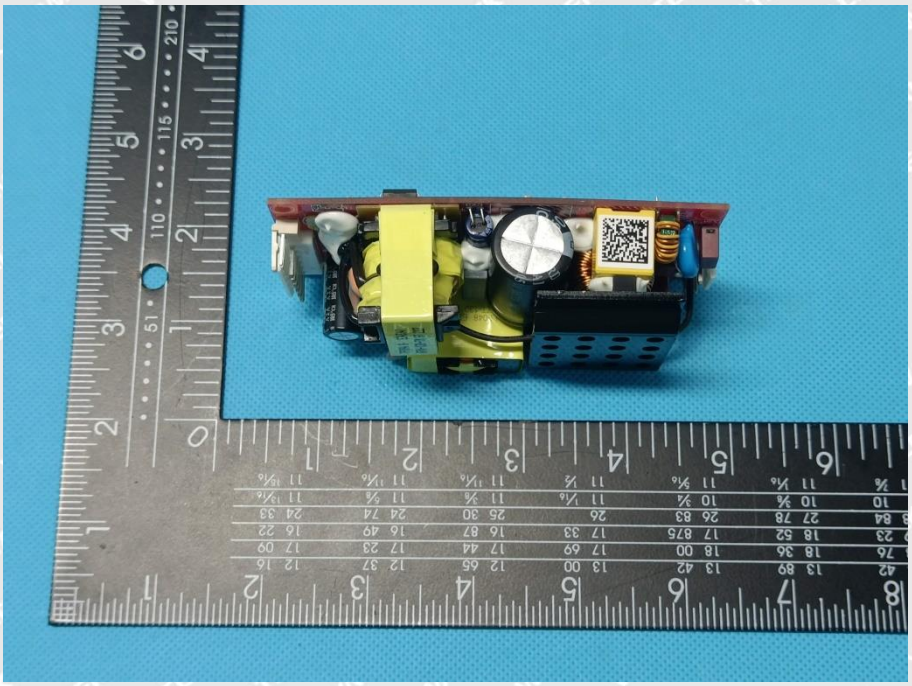
EUT View 8



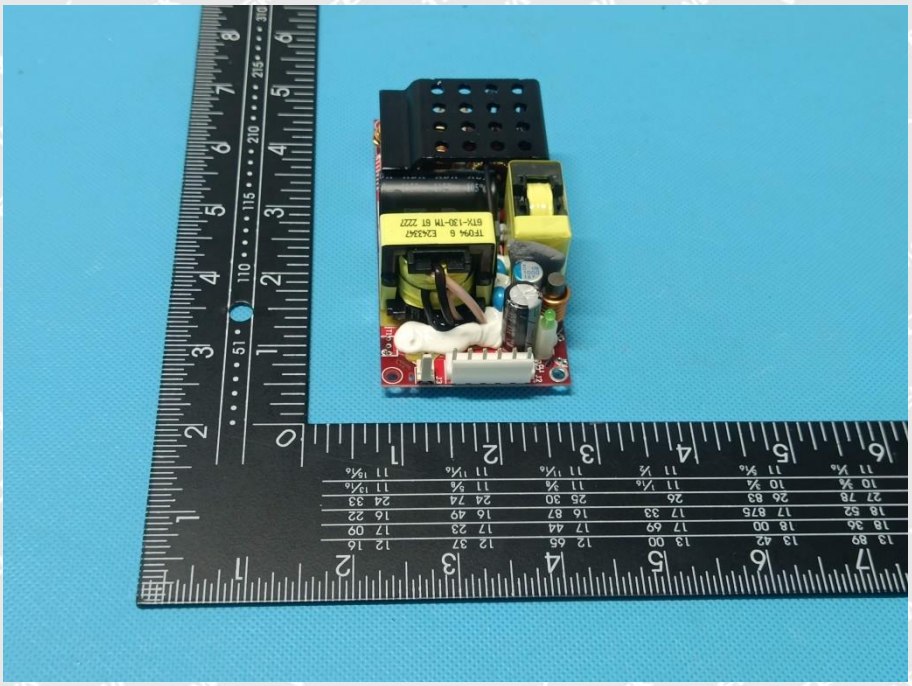
EUT View 9



EUT View 10



EUT View 11



EUT View 12

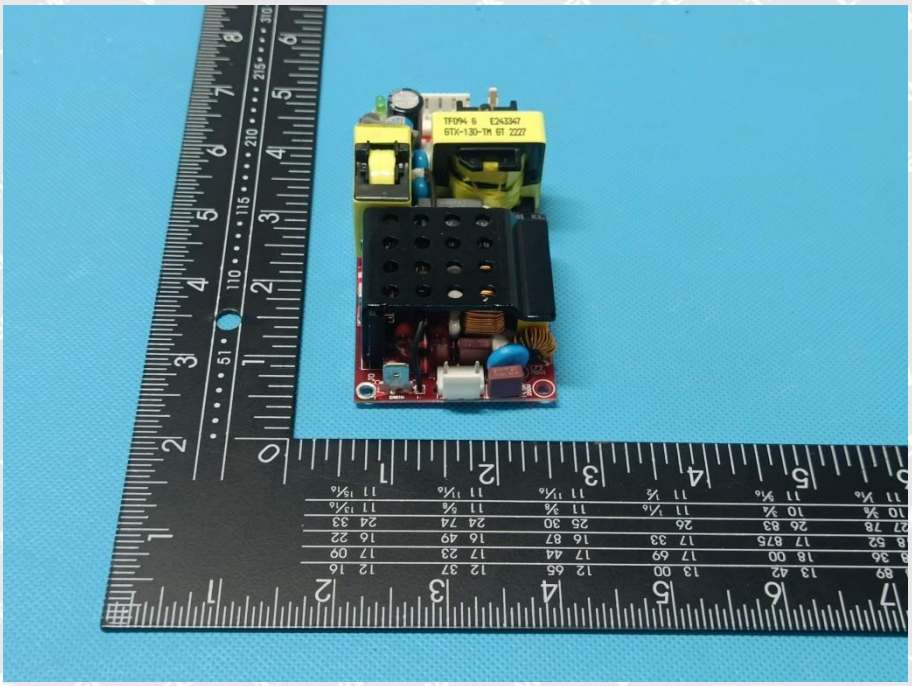
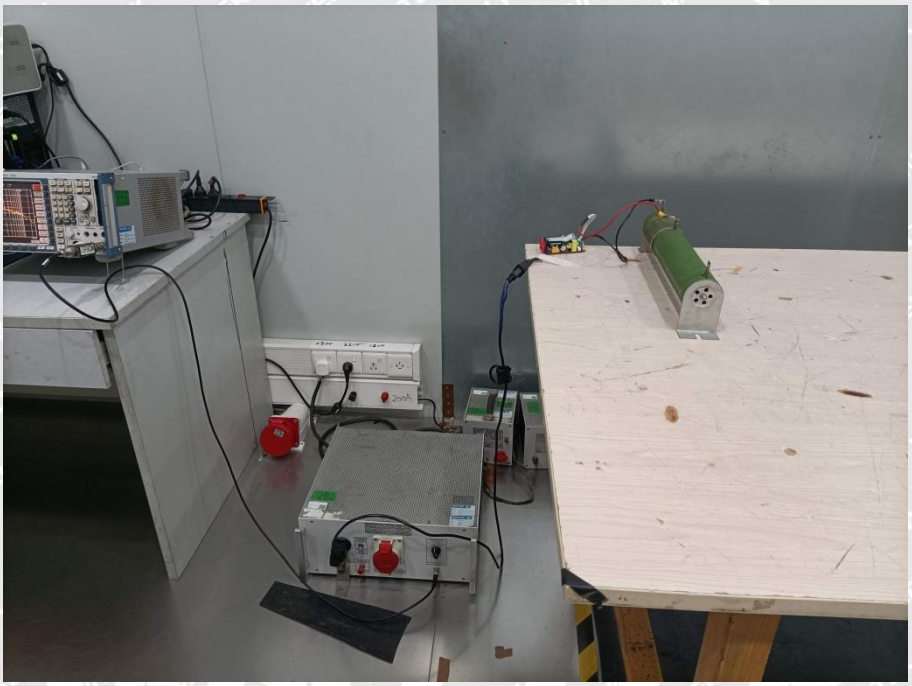
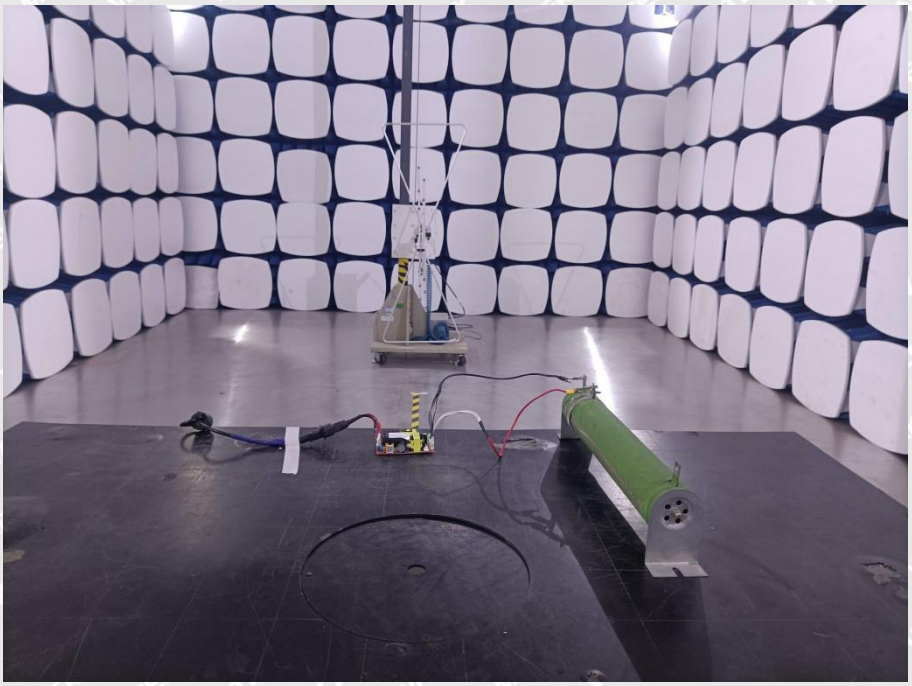


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

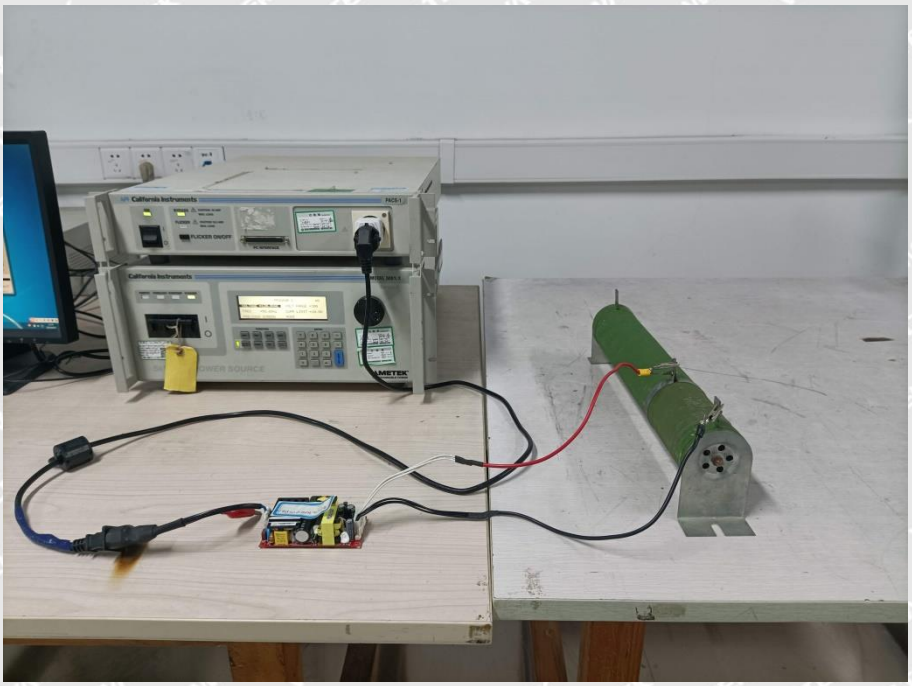
Conduction Emission Test View



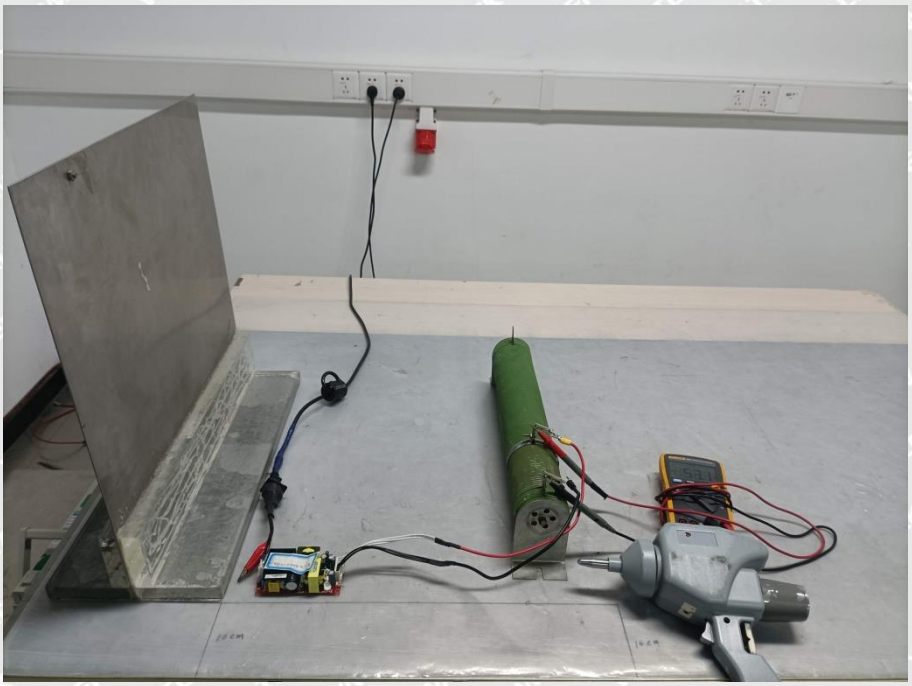
Radiation Emission Test View



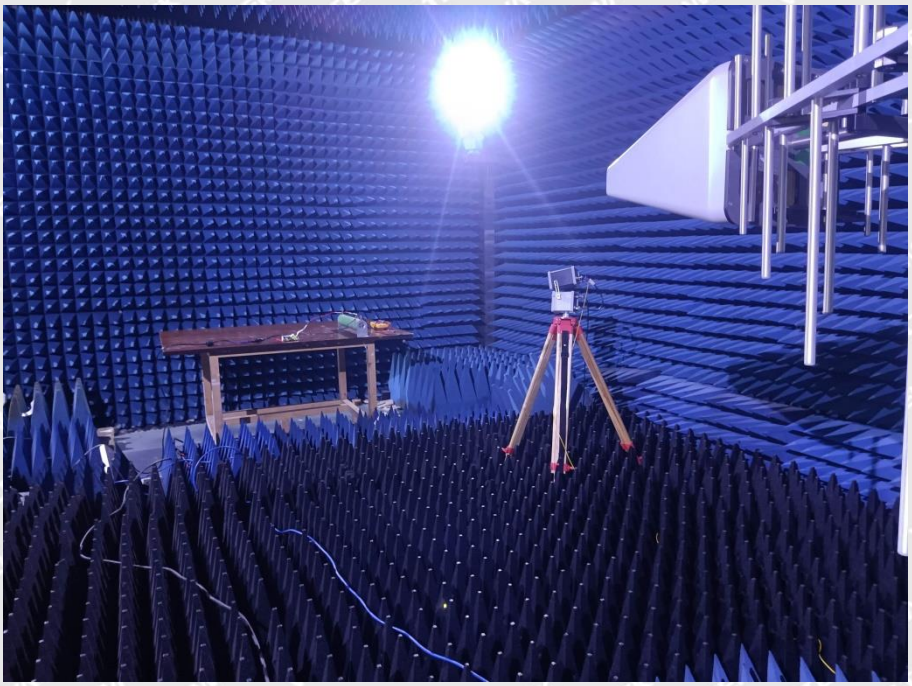
Harmonic/Flicker Test View



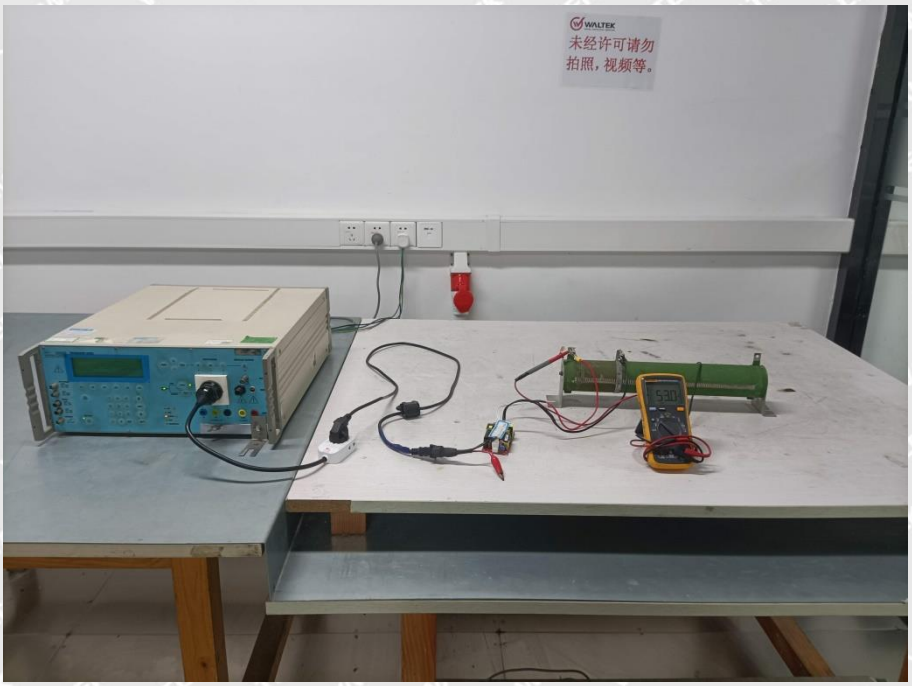
IEC 61000-4-2 Test View



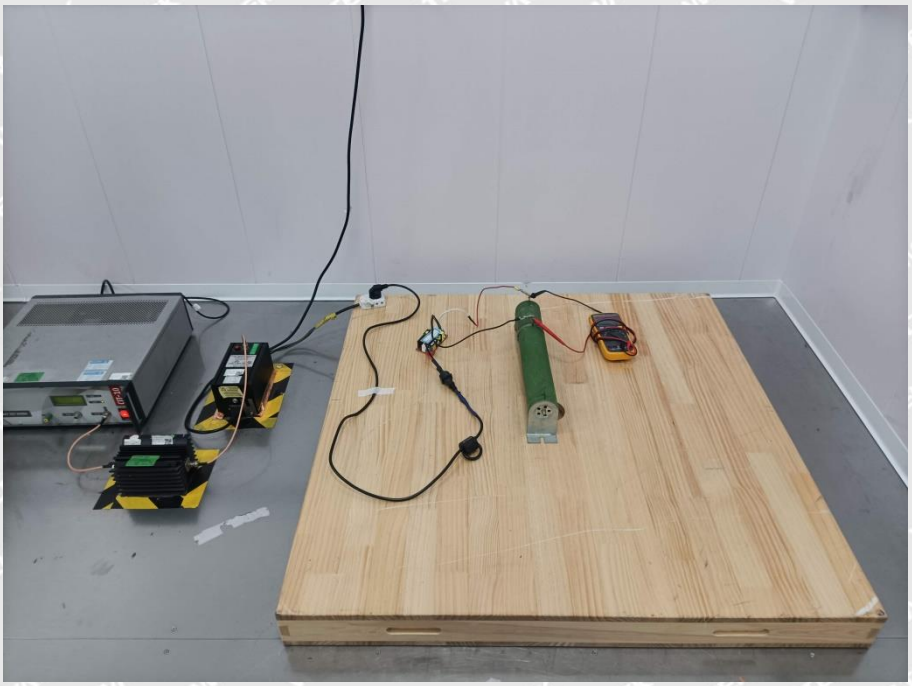
IEC 61000-4-3 Test View



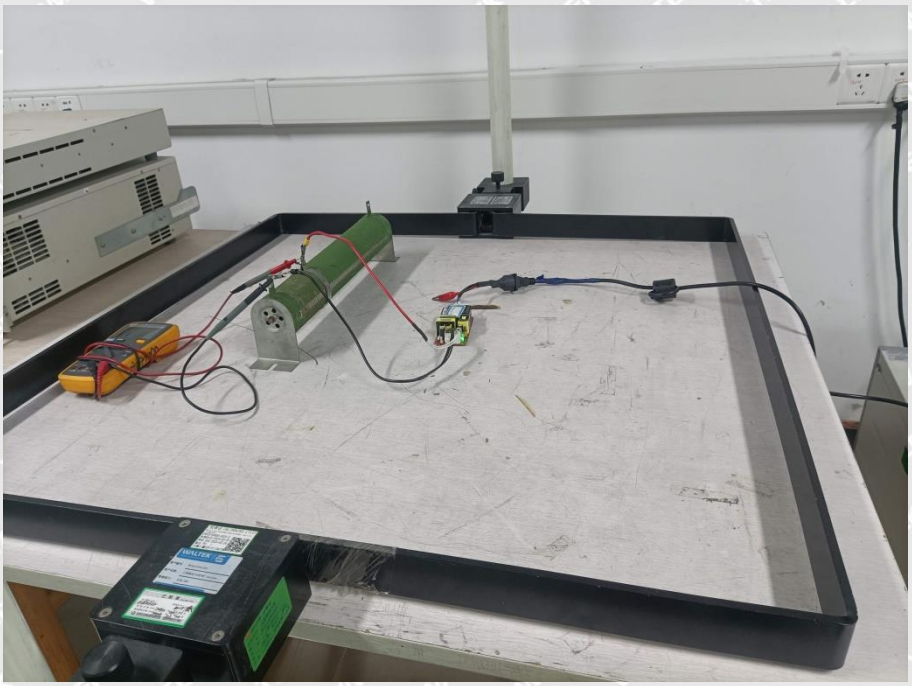
IEC 61000-4-4/5/11 Test View



IEC 61000-4-6 Test View



IEC 61000-4-8 Test View



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