TEST REPORT

Reference No.	:	**WTX21X09095476E**
Applicant	:	**GlobTek, Inc.**
Address	:	**186 Veterans Dr. Northvale, NJ 07647 USA**
Product	:	**Medical/ITE Power Supply**
Test Model	:	**GT-46600-6012-T2, GT-46600-6524-T3**
Standards	:	**EN 55032:2015+A11:2020** **EN 55035:2017+A11:2020** **EN IEC 61000-3-2:2019** **EN 61000-3-3:2013+A1:2019**
Date of Receipt sample	:	**Sept. 20, 2021**
Date of Test	:	**Sept. 20, 2021 to Sept. 27, 2021**
Date of Issue	:	**Sept. 27, 2021**
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 compiler and approver.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	GlobTek, Inc.
Address of applicant:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer:	1. GlobTek, Inc. 2. GlobTek (Suzhou) Co., Ltd
Address of manufacturer:	1.186 Veterans Dr. Northvale, NJ 07647 USA 2.Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou,JiangSu 215021, China

General Description of EUT	
Product Name:	Medical/ITE Power Supply
Trade Name:	GlobTek, Inc.
Model No.:	GT-46600-6012-T2, GT-46600-6524-T3
Adding Model(s):	/

Note: The test data is gathered from a production sample, provided by the manufacturer.

*GT-46600-WWVV-X.X-TB**

WW is the standard output wattage, with a maximum value of "65",
VV is the standard rated output voltage designation, with a value of "12" "15"and "24";
-X.X denote the output voltage differentiator, subtracting X.X volts from standard output voltage VV in 0.1V increments, the actual output voltage rang is 12-24V, blank is to indicate the no voltage different.
B can be 2 or 3 or 3A, 2 means C8 inlet type, 3 means C14 inlet type, 3A means C6 inlet type
*The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.*

Technical Characteristics of EUT	
Rated Voltage:	AC 100-240V 50-60Hz
Rated Current:	1.5A
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 55032:2015+A11:2020: Electromagnetic compatibility of multimedia equipment - Emission requirements.

EN 55035:2017+A11:2020: Electromagnetic compatibility of multimedia equipment - Immunity requirements.

EN IEC 61000-3-2:2019: Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase).

EN 61000-3-3:2013+A1:2019: Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection.

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 EN 55032, EN IEC 61000-3-2 EN 61000-3-3 and EN 55035 for electromagnetic compatibility of multimedia equipment, and all related testing and measurement techniques intentional standards.

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	Maximum power mode（GT-46600-6012-T2）	AC 230V/50Hz
TM2	Working mode	Maximum power mode（GT-46600-6524-T3）	AC 230V/50Hz
Note: The product was measured at two nominal voltages of 230V and 110V, using a frequency of 50Hz or 60Hz. This report shows the worst case with 230V/50Hz data.			

EUT Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Chip
Cable	1.2	Unshielded	With	Without

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
/	/	/	/

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
Spectrum Analyzer	Rohde & Schwarz	FSP	836079/035	2021-03-30	2022-03-29
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2021-04-12	2022-04-11
Amplifier	Agilent	8447F	3113A06717	2021-04-12	2022-04-11
Amplifier	C&D	PAP-1G18	2002	2021-04-12	2022-04-11
Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2021-03-20	2023-03-19
Horn Antenna	ETS	3117	00086197	2021-03-19	2023-03-18
Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2023-03-19
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2021-05-06	2022-05-05
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2023-04-08
Amplifier	Agilent	8447D	2944A10179	2021-04-12	2022-04-11
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2021-04-12	2022-04-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2021-04-15	2022-04-14
AC LISN	Schwarz beck	NSLK8126	8126-224	2021-04-12	2022-04-11
8-WIRE LISN	Schwarz beck	8158	CAT3-8158-0059	2021-04-12	2022-04-11
8-WIRE LISN	Schwarz beck	8158	CAT5-8158-0117	2021-04-12	2022-04-11
PMF Generator	LIONCEL	PMF-801C-C	0171101	2021-04-12	2022-04-11
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2021-04-12	2022-04-11
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2021-04-12	2022-04-11
Digital Power Analyzer	California Instrument	CTS	72831	2021-04-12	2022-04-11
Power Source	California Instrument	5001IX-CTS-400	25965	2021-04-12	2022-04-11
ESD Generator	LIONCEL	ESD-203B	0170901	2021-04-16	2022-04-15
Transient 2000	EMC PARTNER	TRA2000	863	2021-04-12	2022-04-11
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2021-04-12	2022-04-11
CONDUCTED IMMUNITY TEST SYSTEM	FRANKONIA	CIT-10/75	126B1247/2013	2021-01-08	2022-01-07
CDN	LIONCEL	CDN-T8	0210401	2021-05-06	2022-05-05
Attenuator	EMTEST	MA-5100/6BF2	1009	2021-03-30	2022-03-29
CDN	Luthi	L-801M2/M3	2665	2021-04-12	2022-04-11
Signal Generator	HP	8688B	3438A00604	2021-03-30	2022-03-29
Power Meter	KEITHLEY	3500	1162591	2021-03-27	2022-03-26
Power Meter	KEITHLEY	3500	1121428	2021-03-27	2022-03-26
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2021-03-27	2022-03-26
RF Power Amplifier	MicoTop	MPA-80-1000-100	MPA1906238	2021-03-27	2022-03-26
Antenna	SCHWARZBECK	STLP 9129	9129 114	N/A	N/A

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
EN 55032	Conducted Emission	Compliant
	Radiated Emission	Compliant
EN IEC 61000-3-2	Harmonic Current Emission	Compliant
EN 61000-3-3	Voltage Fluctuation and Flicker	Compliant
EN 55035	Electrostatic Discharge Immunity in accordance with EN 61000-4-2	Compliant
	Continuous RF electromagnetic field Disturbances Immunity in accordance with EN 61000-4-3	Compliant
	Electrical Fast Transient/Burst Immunity in accordance with EN 61000-4-4	Compliant
	Surges Immunity in accordance with EN 61000-4-5	Compliant
	Continuous induced RF disturbances Immunity in accordance with EN 61000-4-6	Compliant
	Power-frequency Magnetic Fields Immunity in accordance With EN 61000-4-8	Compliant
	Voltage Dips/Interruptions Immunity in accordance with EN 61000-4-11	Compliant
	Broadband impulse noise disturbances, repetitive	N/A
	Broadband impulse noise disturbances, isolated	N/A

N/A: not applicable

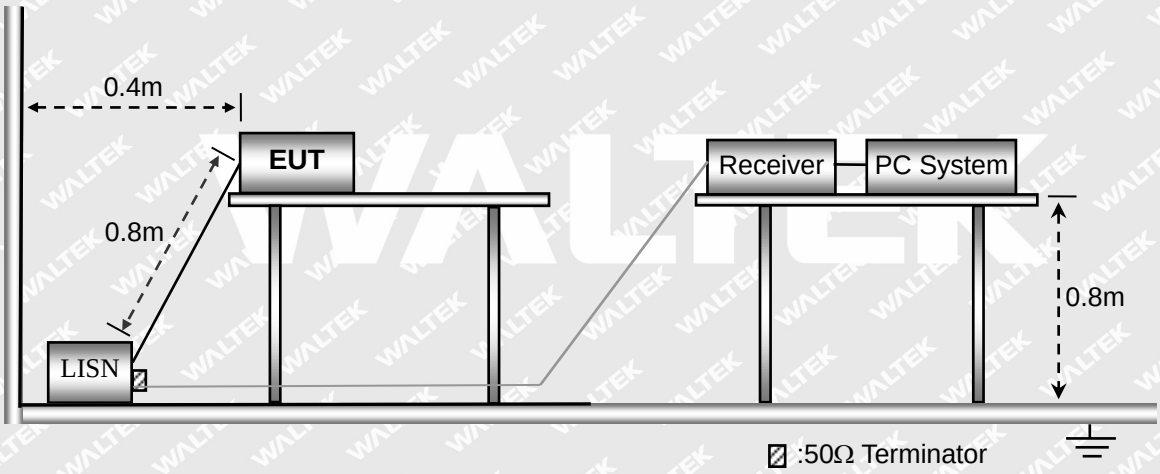
3. Conducted Emission

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

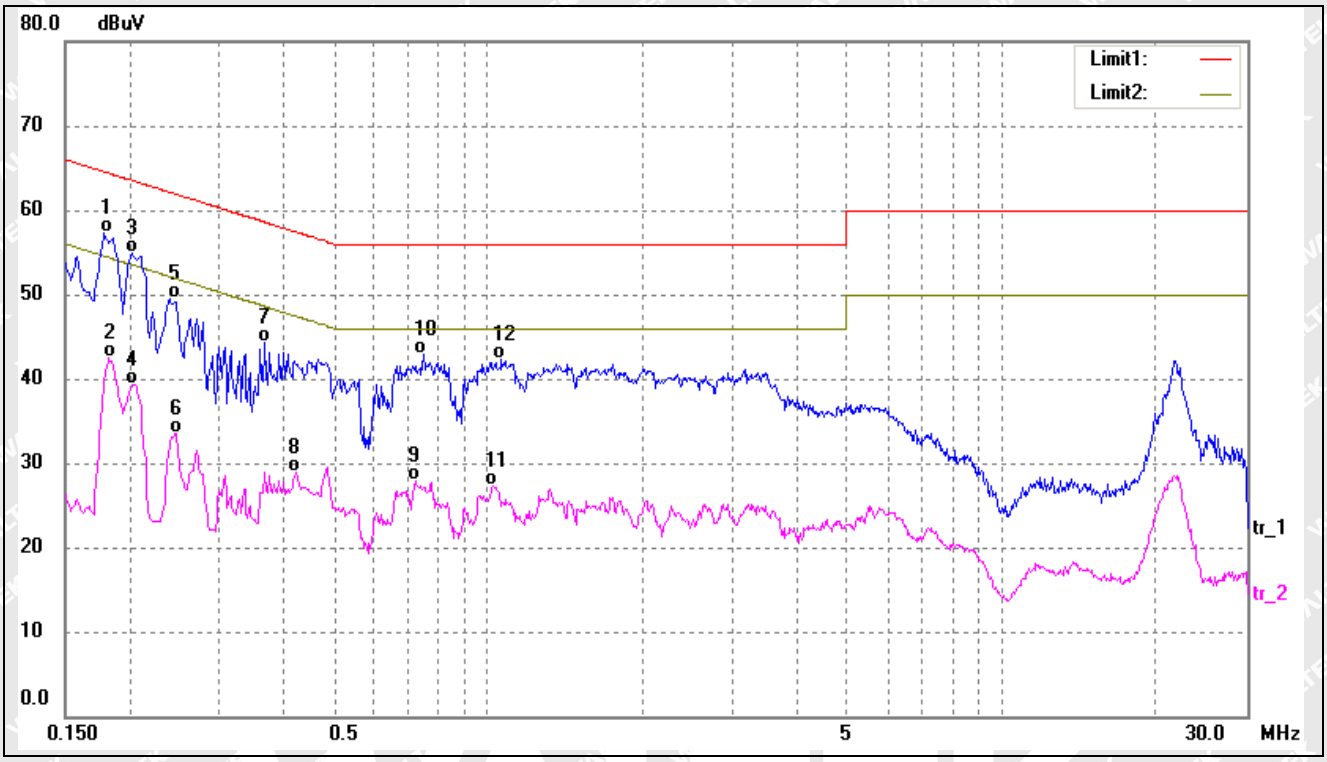
Temperature:	21.5 ° C
Relative Humidity:	48 %
ATM Pressure:	1012 mbar

3.4 Summary of Test Results

Look at the graphs and data below：

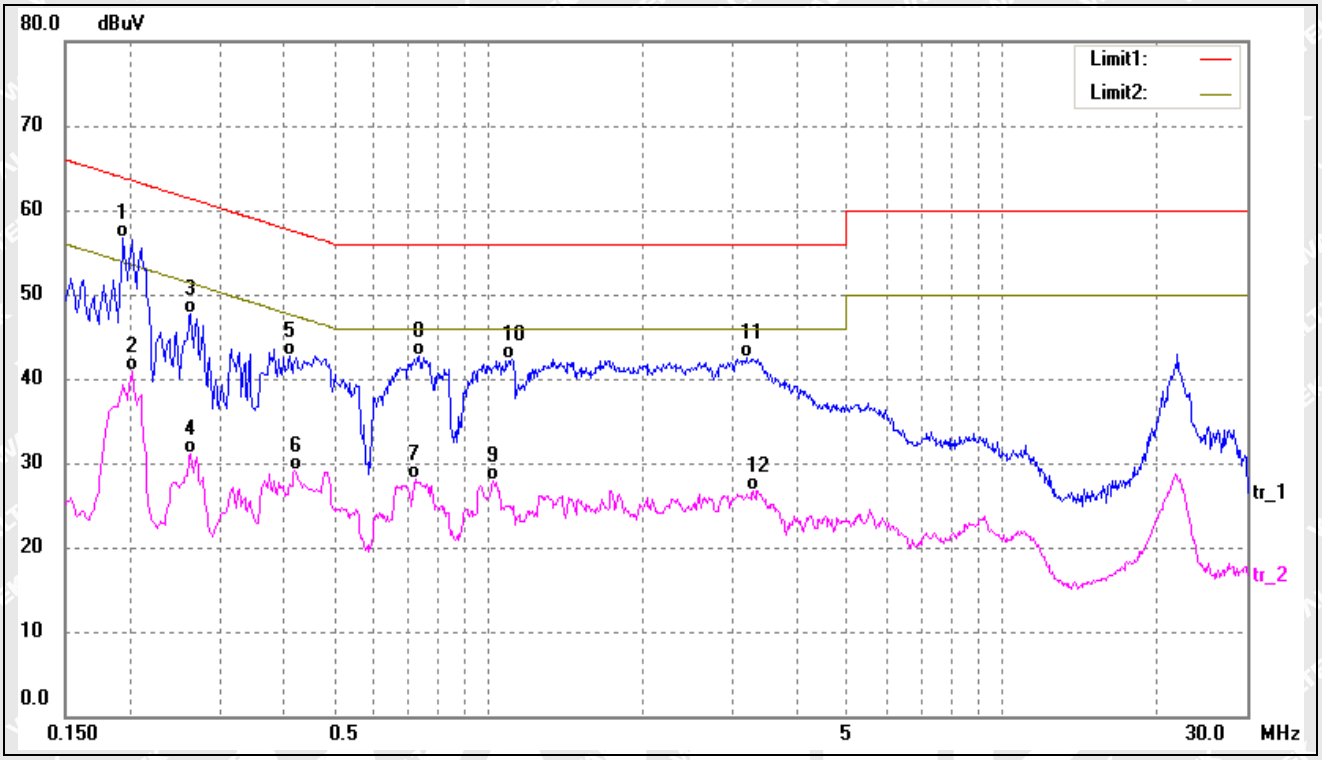
GT-46600-6012-T2

Test mode:	TM1	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1779	47.04	10.26	57.30	64.58	-7.28	QP
2	0.1819	32.26	10.26	42.52	54.39	-11.87	AVG
3	0.2020	44.71	10.27	54.98	63.52	-8.54	QP
4	0.2020	28.95	10.27	39.22	53.52	-14.30	AVG
5	0.2379	39.18	10.26	49.44	62.17	-12.73	QP
6	0.2459	23.31	10.26	33.57	51.89	-18.32	AVG
7	0.3659	33.97	10.25	44.22	58.59	-14.37	QP
8	0.4219	18.67	10.23	28.90	47.41	-18.51	AVG
9	0.7219	17.64	10.17	27.81	46.00	-18.19	AVG
10	0.7500	32.65	10.17	42.82	56.00	-13.18	QP
11	1.0260	17.12	10.20	27.32	46.00	-18.68	AVG
12	1.0620	32.11	10.21	42.32	56.00	-13.68	QP

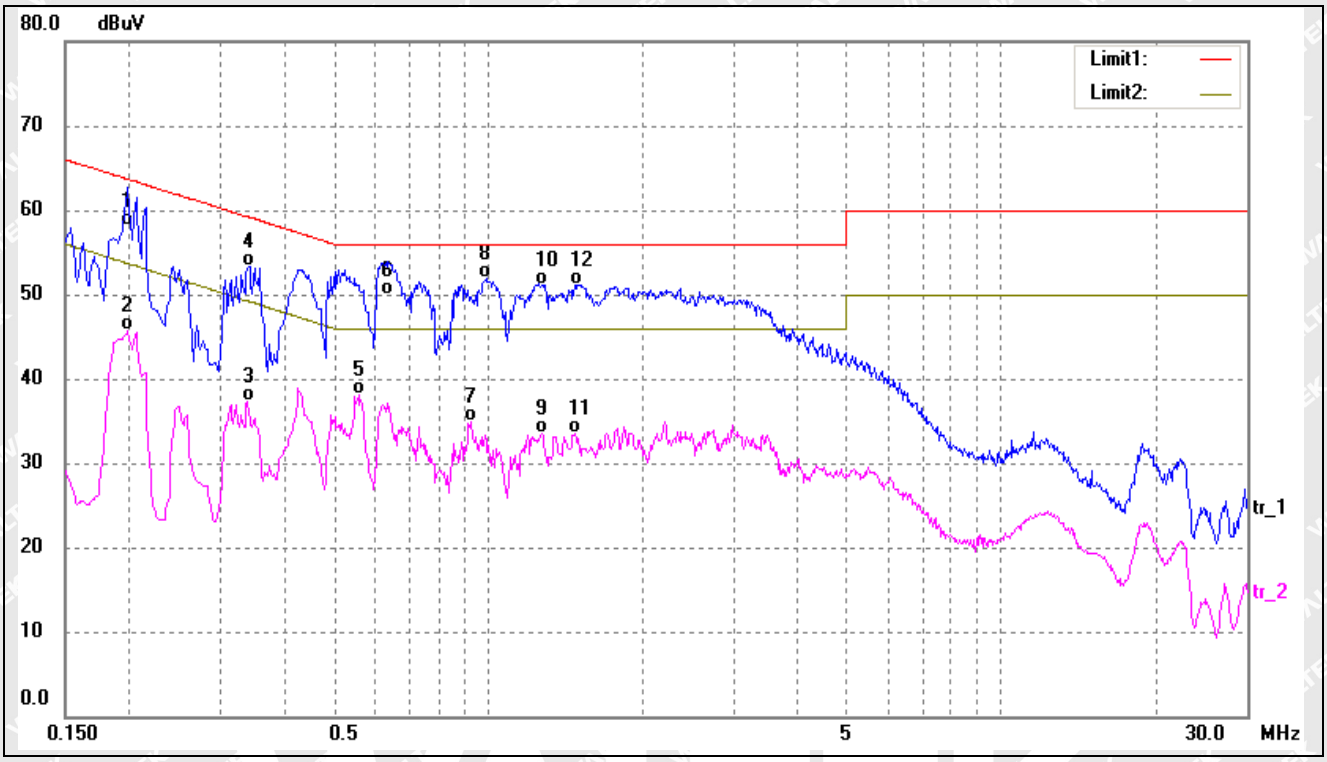
Test mode:	TM1	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1940	46.51	10.27	56.78	63.86	-7.08	QP
2	0.2020	30.72	10.27	40.99	53.52	-12.53	AVG
3	0.2620	37.52	10.26	47.78	61.36	-13.58	QP
4	0.2620	20.83	10.26	31.09	51.36	-20.27	AVG
5	0.4099	32.52	10.23	42.75	57.65	-14.90	QP
6	0.4179	18.92	10.23	29.15	47.49	-18.34	AVG
7	0.7219	17.86	10.17	28.03	46.00	-17.97	AVG
8	0.7339	32.44	10.18	42.62	56.00	-13.38	QP
9	1.0220	17.62	10.20	27.82	46.00	-18.18	AVG
10	1.1140	32.14	10.21	42.35	56.00	-13.65	QP
11	3.1819	32.28	10.27	42.55	56.00	-13.45	QP
12	3.2820	16.45	10.26	26.71	46.00	-19.29	AVG

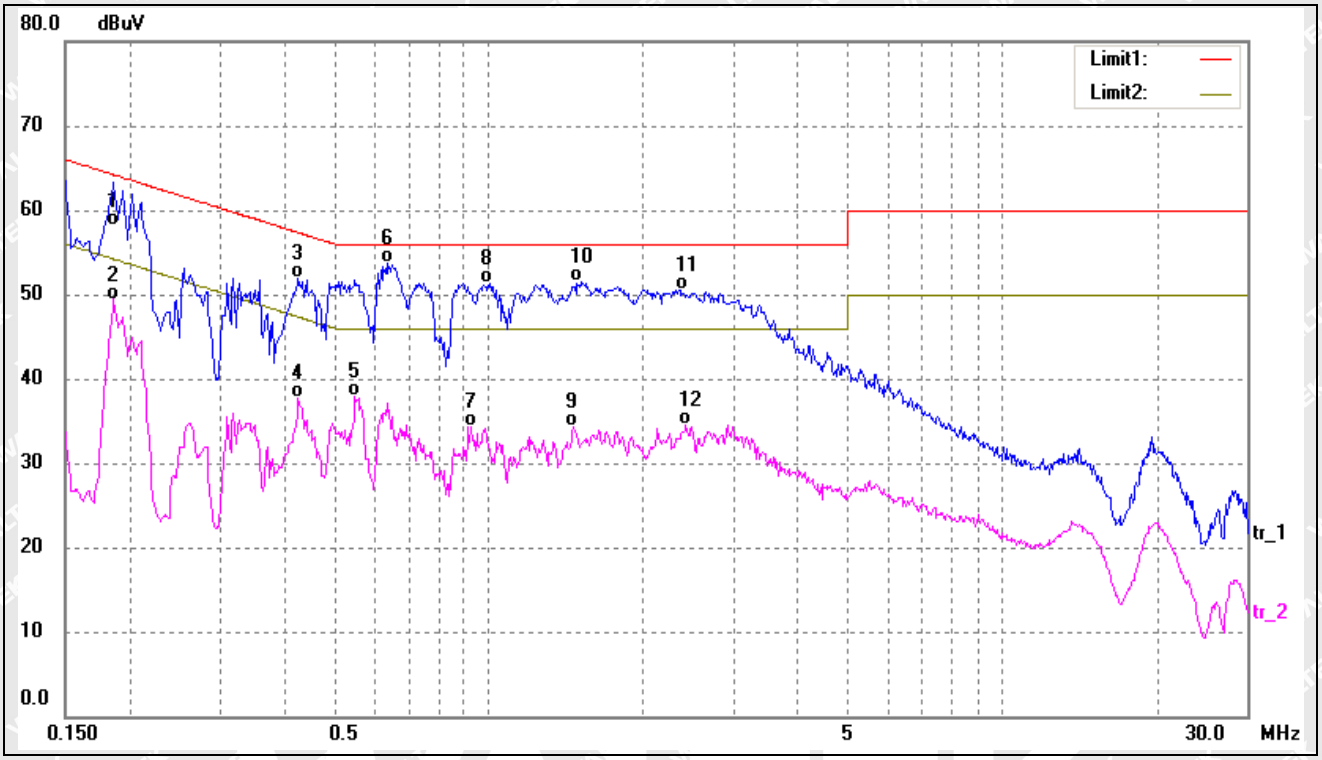
GT-46600-6524-T3

Test mode:	TM2	Polarity:	Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1980	47.85	10.27	58.12	63.69	-5.57	QP
2	0.1980	35.38	10.27	45.65	53.69	-8.04	AVG
3	0.3379	27.08	10.26	37.34	49.25	-11.91	AVG
4	0.3420	43.02	10.26	53.28	59.15	-5.87	QP
5	0.5580	27.80	10.21	38.01	46.00	-7.99	AVG
6	0.6340	39.81	10.19	50.00	56.00	-6.00	QP
7	0.9260	24.67	10.22	34.89	46.00	-11.11	AVG
8*	0.9940	41.65	10.20	51.85	56.00	-4.15	QP
9	1.2700	23.22	10.21	33.43	46.00	-12.57	AVG
10	1.2900	40.96	10.22	51.18	56.00	-4.82	QP
11	1.4740	23.22	10.23	33.45	46.00	-12.55	AVG
12	1.5140	40.93	10.23	51.16	56.00	-4.84	QP

Test mode:	TM2	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1859	47.94	10.26	58.20	64.21	-6.01	QP
2	0.1859	39.14	10.26	49.40	54.21	-4.81	AVG
3	0.4259	41.65	10.22	51.87	57.33	-5.46	QP
4	0.4259	27.41	10.22	37.63	47.33	-9.70	AVG
5	0.5500	27.71	10.21	37.92	46.00	-8.08	AVG
6*	0.6340	43.47	10.19	53.66	56.00	-2.34	QP
7	0.9260	24.06	10.22	34.28	46.00	-11.72	AVG
8	1.0100	41.08	10.20	51.28	56.00	-4.72	QP
9	1.4698	24.06	10.23	34.29	46.00	-11.71	AVG
10	1.5140	41.19	10.23	51.42	56.00	-4.58	QP
11	2.3700	40.31	10.29	50.60	56.00	-5.40	QP
12	2.4260	24.21	10.30	34.51	46.00	-11.49	AVG

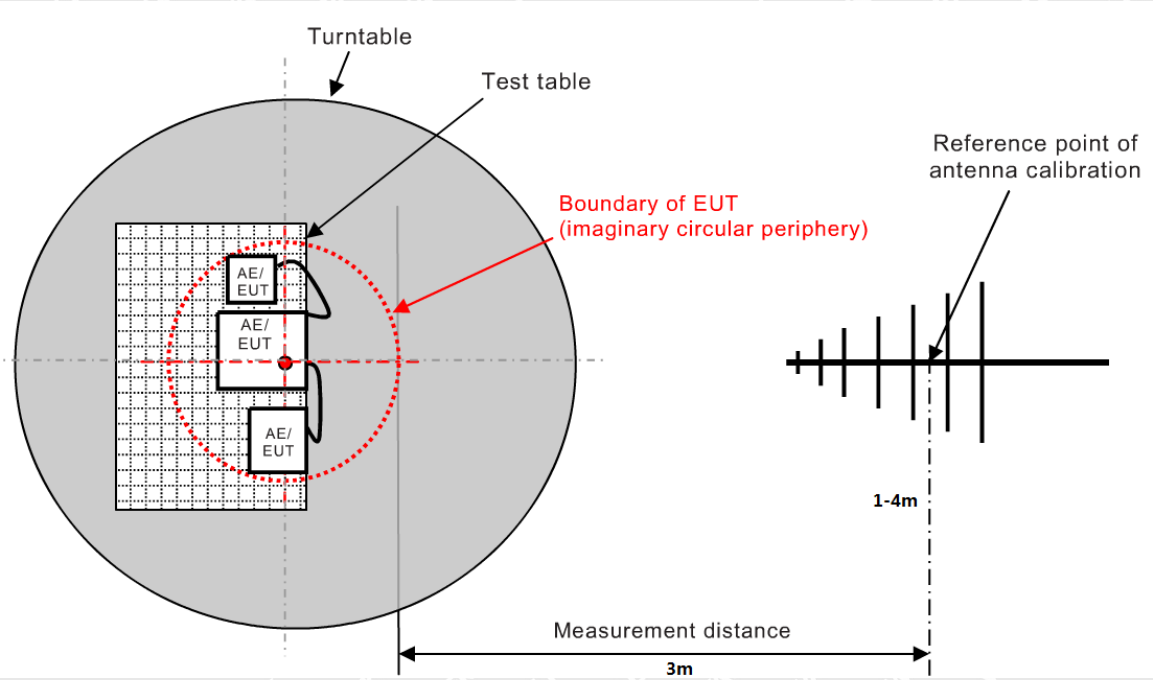
4. Radiated Emission

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. – EN 55032 Class B Limit

4.4 Environmental Conditions

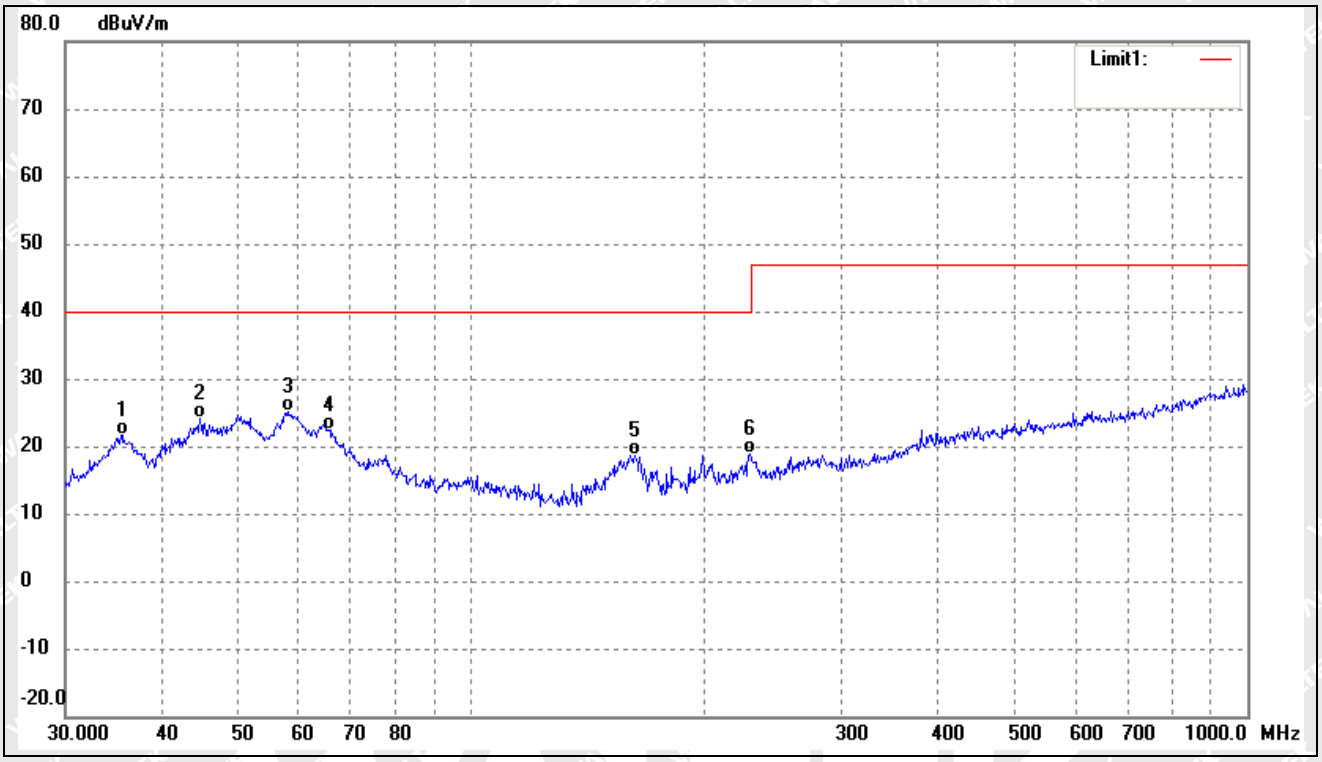
Temperature:	22.5° C
Relative Humidity:	51 %
ATM Pressure:	1010 mbar

4.5 Summary of Test Results

Look at the graphs and data below:

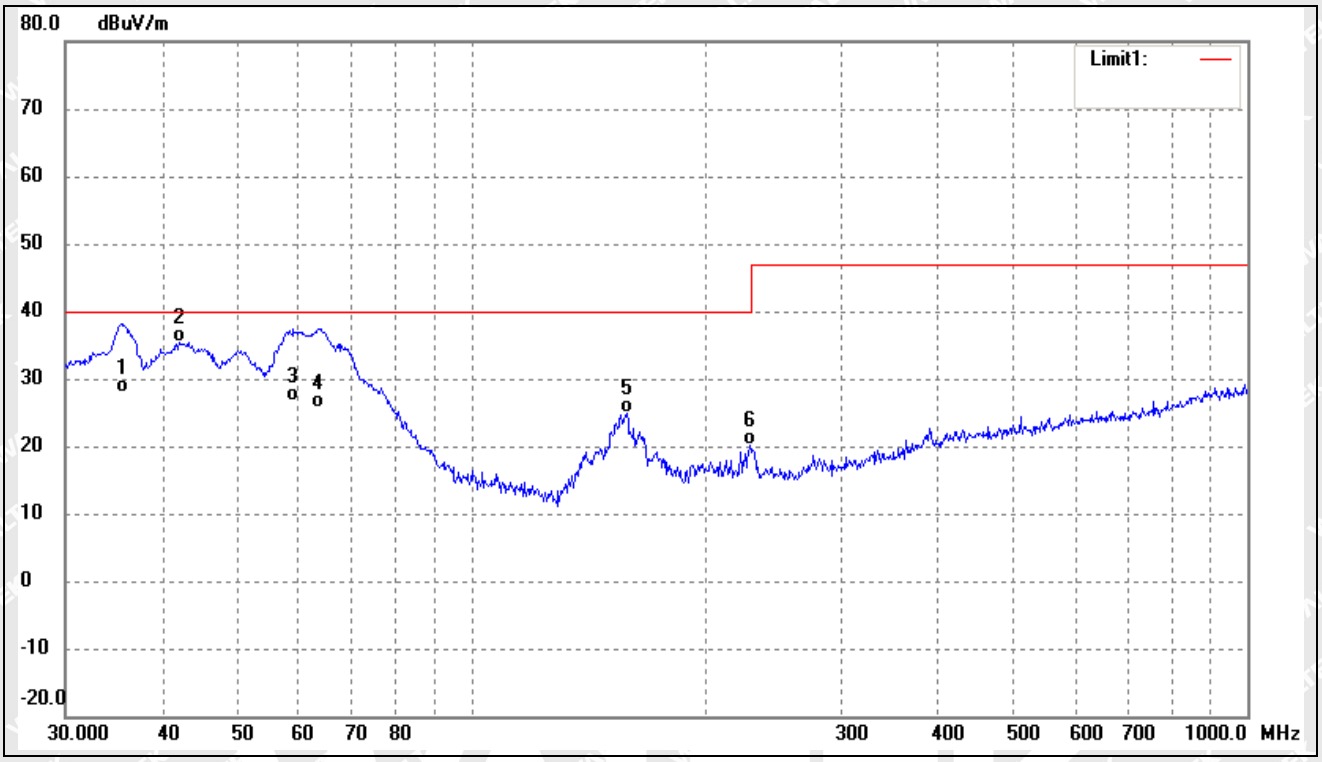
GT-46600-6012-T2

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	35.4993	33.40	-11.70	21.70	40.00	-18.30	281	100	QP
2	44.7433	34.92	-10.89	24.03	40.00	-15.97	92	100	QP
3	57.9993	37.60	-12.44	25.16	40.00	-14.84	331	100	QP
4	65.5727	36.59	-14.14	22.45	40.00	-17.55	97	100	QP
5	162.6106	33.26	-14.71	18.55	40.00	-21.45	217	100	QP
6	228.4904	30.53	-11.55	18.98	40.00	-21.02	115	100	QP

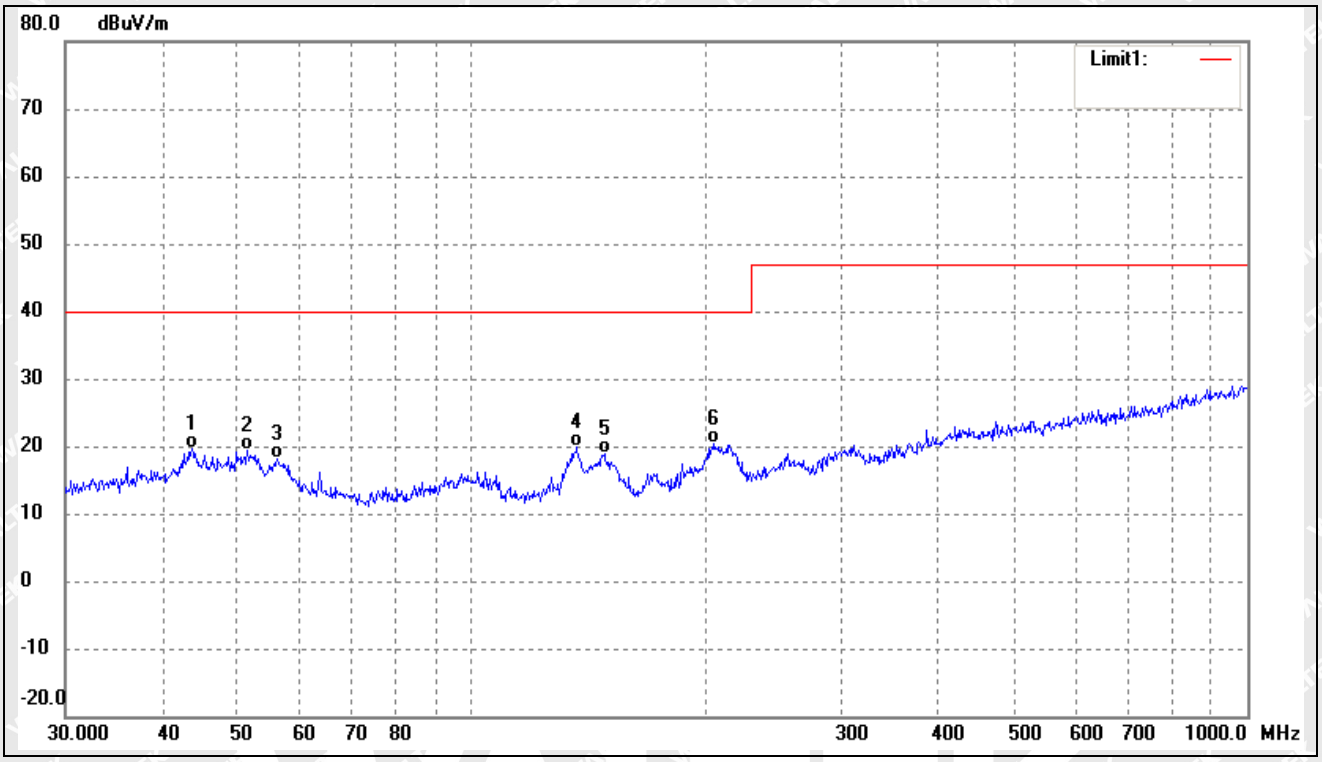
Test mode:	TM1	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	35.4992	39.52	-11.70	27.82	40.00	-12.18	149	100	QP
2	42.0065	46.26	-10.90	35.36	40.00	-4.64	114	100	QP
3	59.0251	39.24	-12.64	26.60	40.00	-13.40	97	100	QP
4	63.5356	39.23	-13.63	25.60	40.00	-14.40	132	100	QP
5	158.6676	39.70	-14.88	24.82	40.00	-15.18	184	100	QP
6	228.4903	31.73	-11.55	20.18	40.00	-19.82	308	100	QP

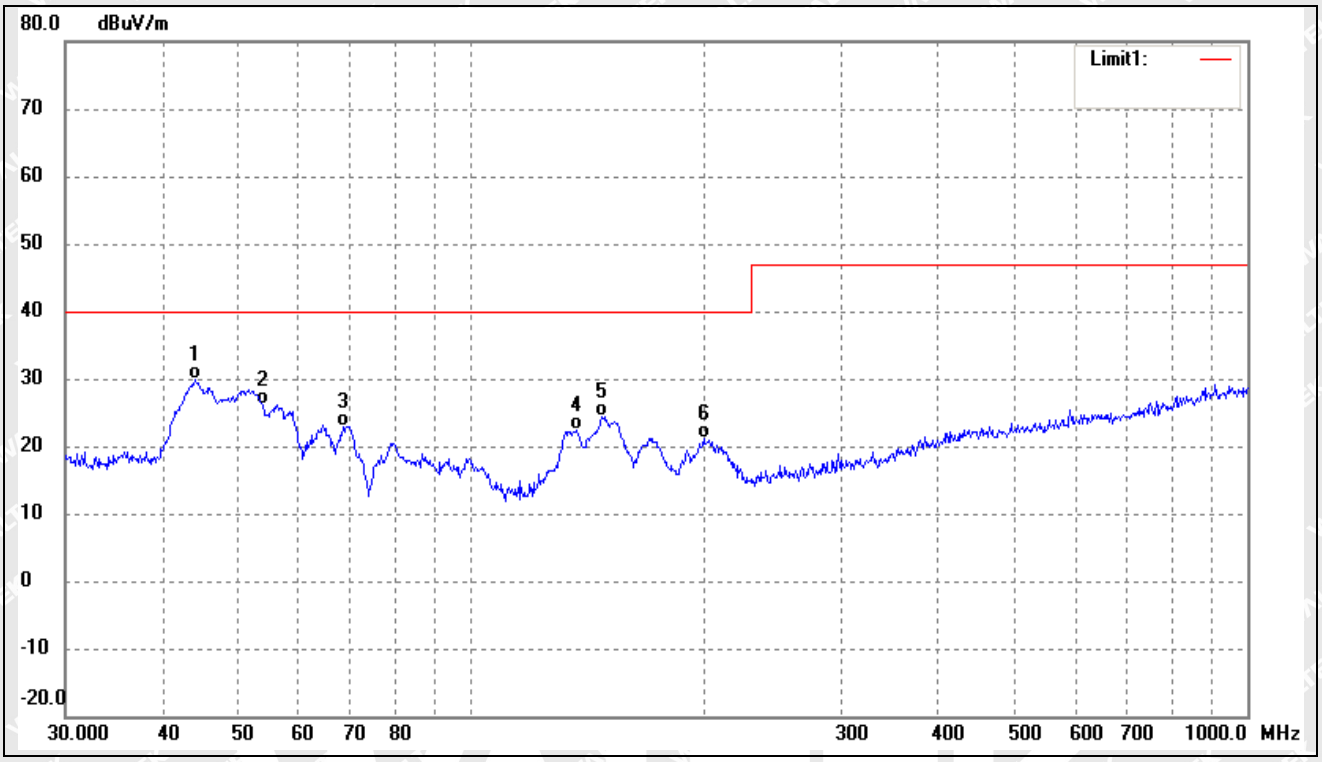
GT-46600-6524-T3

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	43.6584	30.58	-10.90	19.68	40.00	-20.32	54	100	QP
2	51.4807	30.45	-11.17	19.28	40.00	-20.72	160	100	QP
3	56.1974	30.26	-12.09	18.17	40.00	-21.83	90	100	QP
4	136.9391	34.87	-15.07	19.80	40.00	-20.20	345	100	QP
5	148.4410	34.19	-15.28	18.91	40.00	-21.09	275	100	QP
6	205.6751	32.64	-12.23	20.41	40.00	-19.59	303	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	44.1202	40.75	-10.89	29.86	40.00	-10.14	269	100	QP
2	53.8818	37.83	-11.64	26.19	40.00	-13.81	161	100	QP
3	68.3908	37.94	-15.01	22.93	40.00	-17.07	67	100	QP
4	136.4598	37.30	-15.04	22.26	40.00	-17.74	311	100	QP
5	147.4036	39.59	-15.27	24.32	40.00	-15.68	140	100	QP
6	199.2855	33.64	-12.43	21.21	40.00	-18.79	230	100	QP

5. Harmonic Current Emissions

5.1 Test Procedure

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

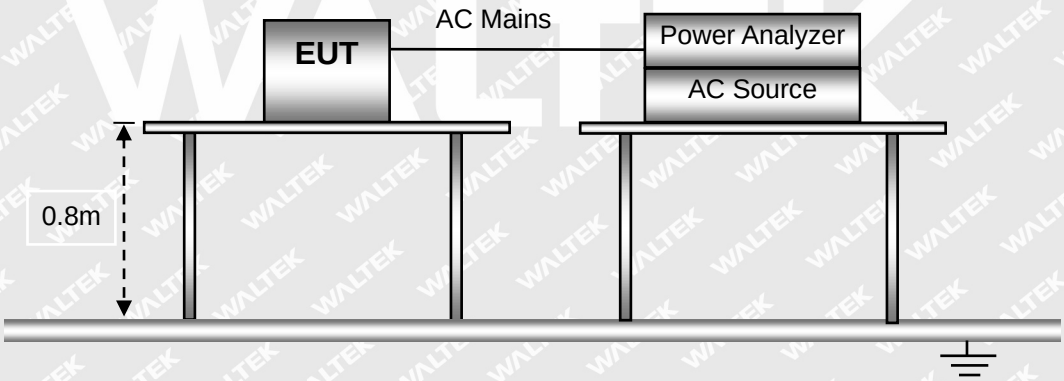
5.2 Test Standards

EN IEC 61000-3-2, Clause 7.1 Limits for Class A equipment.

5.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	52 %
ATM Pressure:	1013 mbar

5.4 Basic Test Setup Block Diagram



5.5 Harmonic Current Emissions Test Data

According to Clause 7 of EN IEC 61000-3-2, the rated power of the EUT is less than 75W, belong to ‘equipment with a rated power of 75W or less’, therefore ‘limits are not specified in this edition of the standards’. It is deem to full fit the requirements of the standards.

Result: The EUT is compliance with the requirements of this section.

6. Voltage Fluctuation Flicker

6.1 Test Procedure

Test is conducting under the description of EN 61000-3-3.

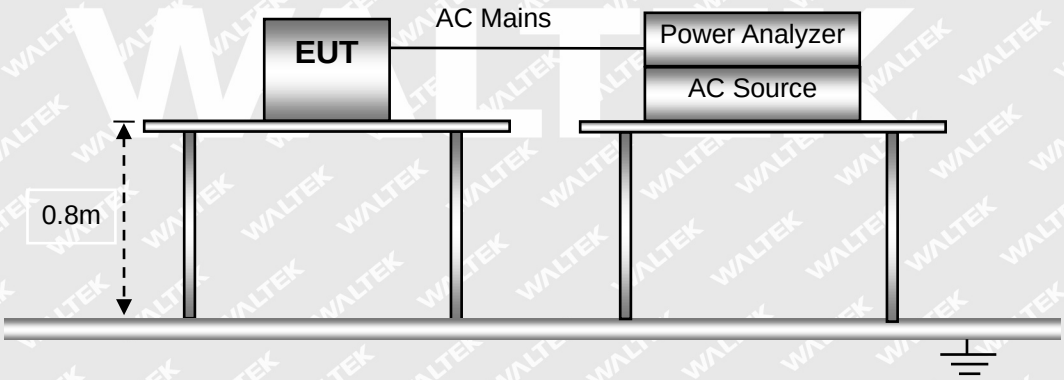
6.2 Test Standards

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

6.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	52 %
ATM Pressure:	1013 mbar

6.4 Basic Test Setup Block Diagram



6.5 Voltage Fluctuation and Flicker Test Data

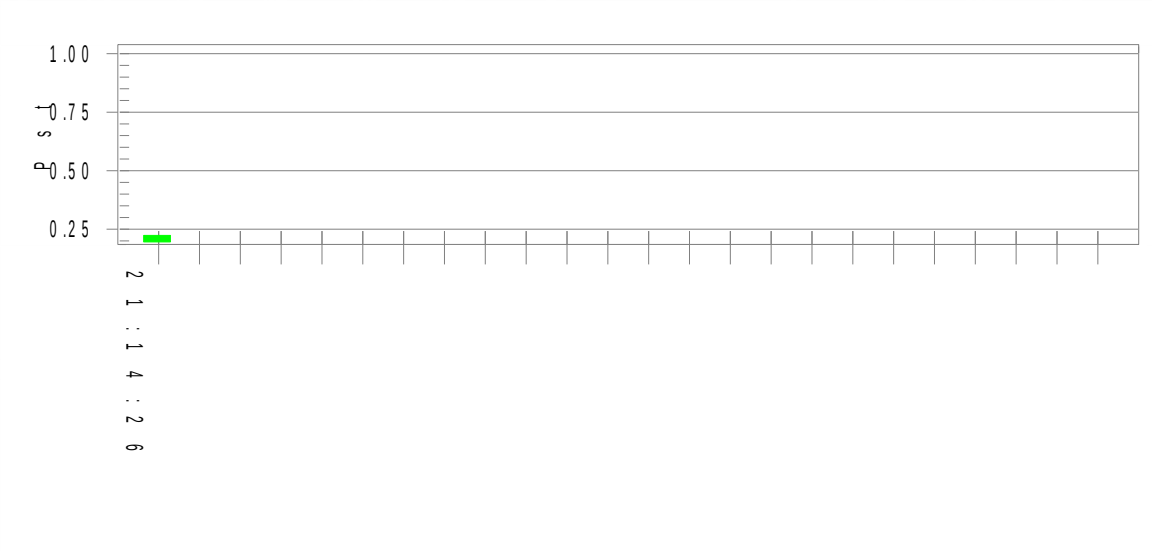
GT-46600-6012-T2

Test mode:	TM1

Flicker Test Summary per IEC61000-3-3:2013/AMD1:2017 (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):	**231.47**			
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):	**0.224**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.098**	**Test limit:**	**0.650**	**Pass**

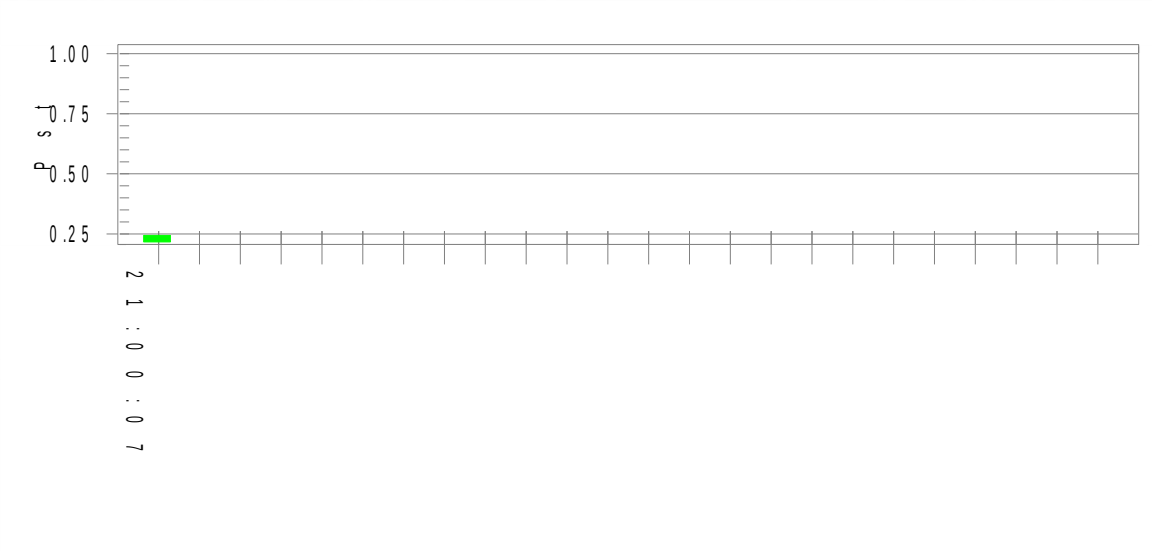
GT-46600-6524-T3

Test mode:	TM2

Flicker Test Summary per IEC61000-3-3:2013/AMD1:2017 (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):	**231.50**			
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**

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

Test is conducting under the description of EN 61000-4-2.

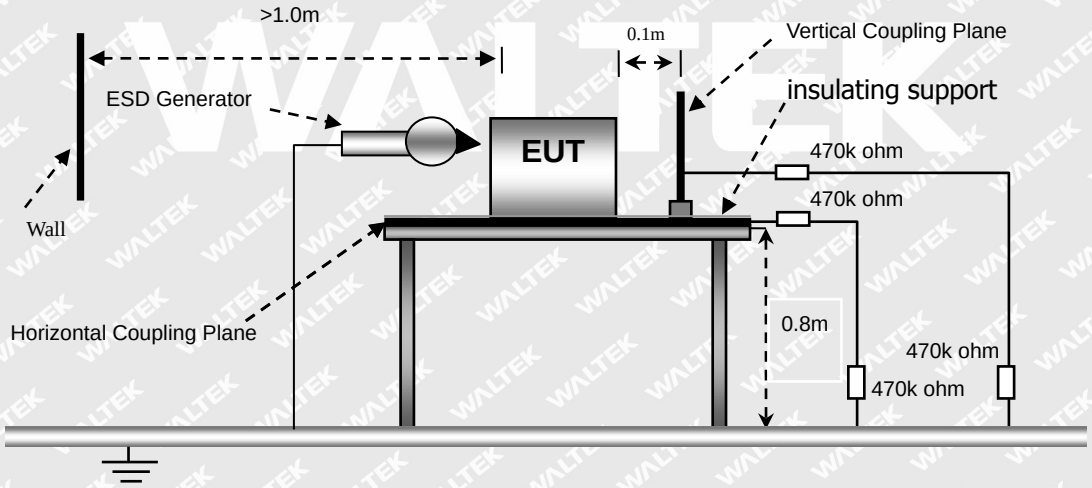
7.2 Test Performance

Performance Criterion: B

7.3 Environmental Conditions

Temperature:	20.5 °C
Relative Humidity:	47 %
ATM Pressure:	1012 mbar

7.4 Basic Test Setup Block Diagram



7.5 Electrostatic Discharge Immunity Test Data

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Voltage (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Surface crack	A	A	A	A	A	A	A	A	/	/

Table 2: Electrostatic Discharge Immunity (Direct Contact)

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

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

EN 61000-4-2	Test Voltage (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
HCP (6 Sides)	A	A	A	A	/	/	/	/	/	/
VCP (4 Sides)	A	A	A	A	/	/	/	/	/	/

Test Result: Pass

8. Continuous RF Electromagnetic Field Disturbances (RS)

8.1 Test Procedure

Test is conducting under the description of EN 61000-4-3.

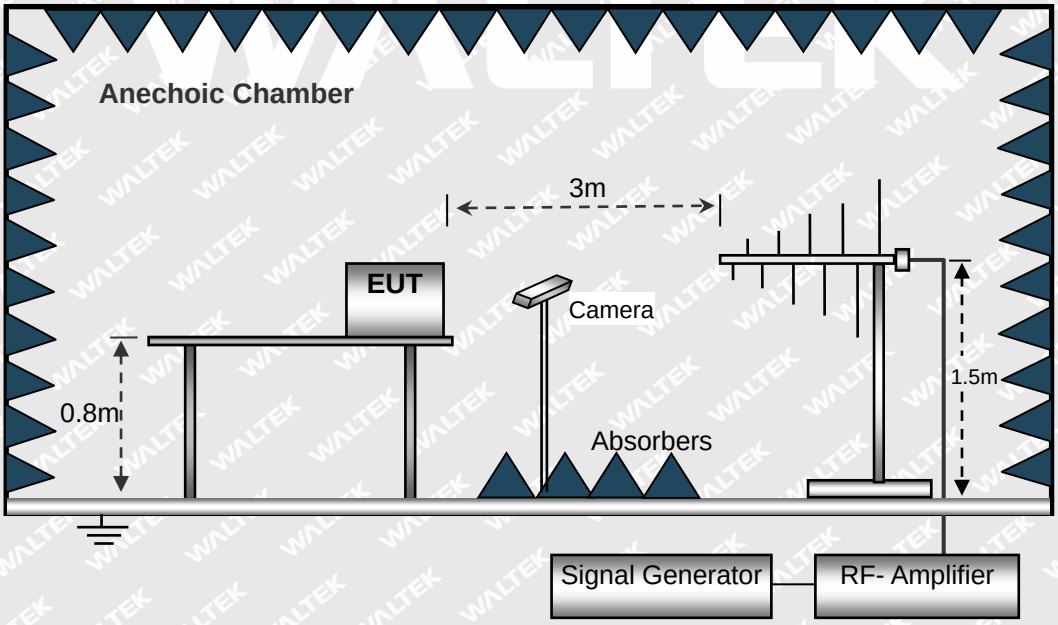
8.2 Test Performance

Performance Criterion: A

8.3 Environmental Conditions

Temperature:	23.0 °C
Relative Humidity:	54 %
ATM Pressure:	1011 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
80-1000	3	A	A	A	A	A	A	A	A

Spot frequencies (MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
1800	3	A	A	A	A	A	A	A	A
2600	3	A	A	A	A	A	A	A	A
3500	3	A	A	A	A	A	A	A	A
5000	3	A	A	A	A	A	A	A	A

Test Result: Pass

9. Electrical Fast Transients (EFT)

9.1 Test Procedure

Test is conducting under the description of EN 61000-4-4.

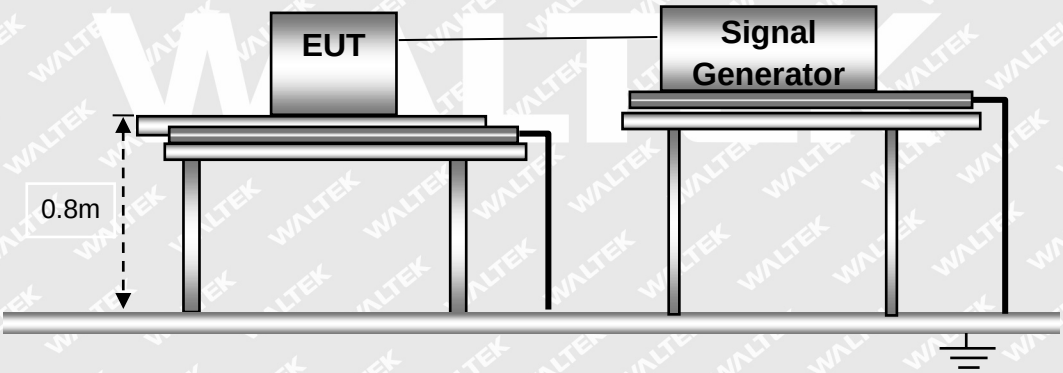
9.2 Test Performance

Performance Criterion: B

9.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	51 %
ATM Pressure:	1011 mbar

9.4 Basic Test Setup Block Diagram



9.5 Electrical Fast Transients Test Data

EN 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	L1	/	/	A	A	/	/	/	/
	L2	/	/	A	A	/	/	/	/
	PE	/	/	A	A	/	/	/	/
	L1+L2	/	/	A	A	/	/	/	/
	L1 + PE	/	/	A	A	/	/	/	/
	L2 + PE	/	/	A	A	/	/	/	/
	L1+L2+PE	/	/	A	A	/	/	/	/
Signal ports	RJ45	/	/	/	/	/	/	/	/

Test Result: Pass

10. Surges

10.1 Test Procedure

Test is conducting under the description of EN 61000-4-5.

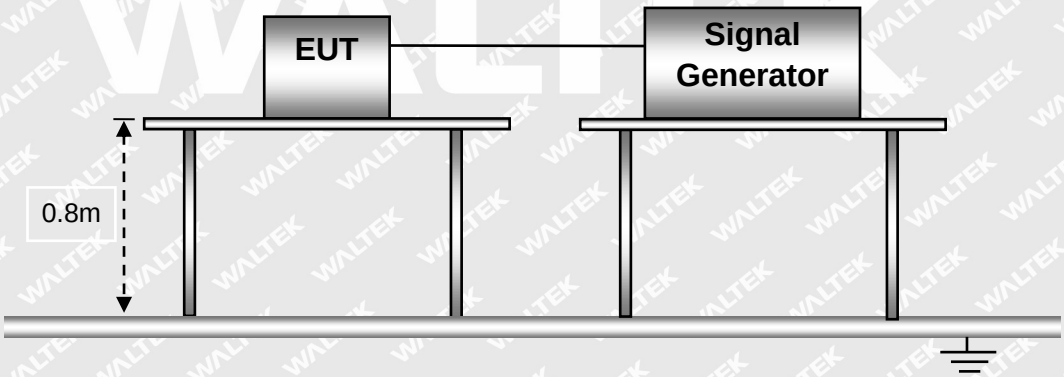
10.2 Test Performance

Performance Criterion: B

10.3 Environmental Conditions

Temperature:	24 °C
Relative Humidity:	51 %
ATM Pressure:	1013 mbar

10.4 Basic Test Setup Block Diagram



10.5 Surge Test Data

AC Port

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

Test Result: Pass

11. Continuous Induced RF Disturbances (C/S)

11.1 Test Procedure

Test is conducting under the description of EN 61000-4-6.

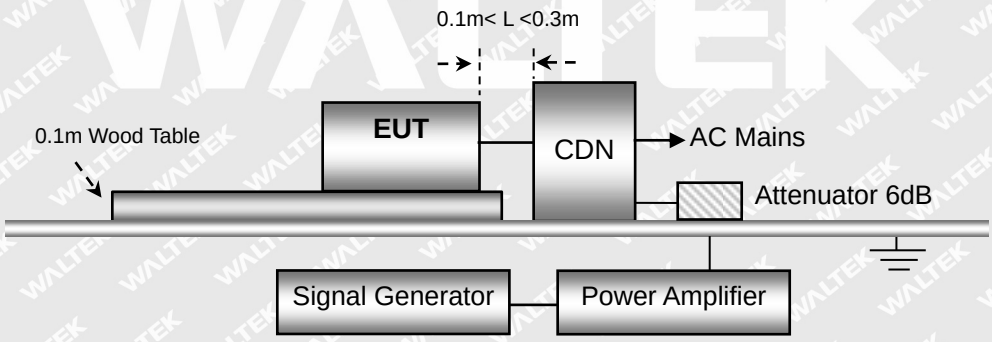
11.2 Test Performance

Performance Criterion: A

11.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	1013 mbar

11.4 Basic Test Setup Block Diagram



11.5 Continuous Conducted Disturbances Test Data

Sweep frequency range: 0.15MHz to 10MHz 3V; 10MHz to 30MHz 3V to 1V; 30MHz to 80MHz 1V
Frequency step: 1% of fundamental
Dwell time: 1 second

AC Port

Frequency MHz	Injected Position	Voltage level (e.m.f.)	Observations (Performance Criterion)	Result
0.15-10	AC Mains	3V	A	Pass
10-30	AC Mains	3-1V	A	Pass
30-80	AC Mains	1V	A	Pass

Test Result: Pass

12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

Test is conducting under the description of EN 61000-4-8.

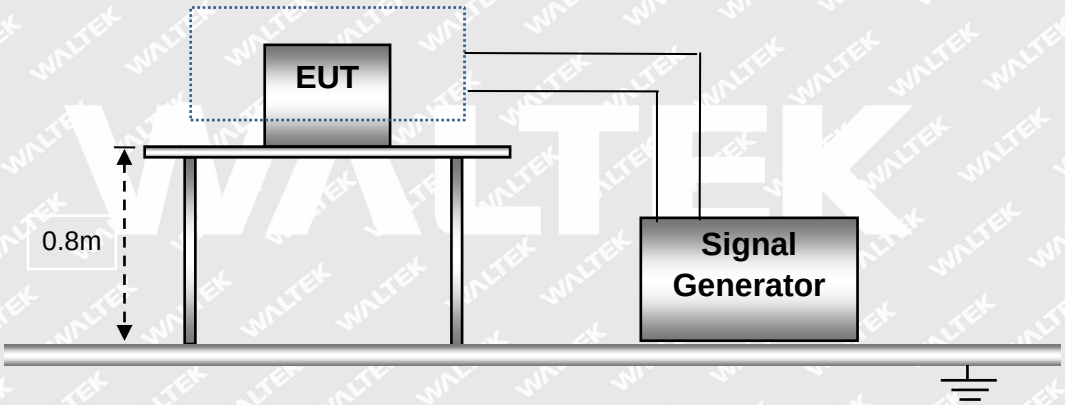
12.2 Test Performance

Performance Criterion: A

12.3 Environmental Conditions

Temperature:	23.0 °C
Relative Humidity:	52 %
ATM Pressure:	1013 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	X, Y, Z	A	/
2	3	50	X, Y, Z	/	/
3	10	50	X, Y, Z	/	/
X	Special	/	/	/	/

Test Result: Pass

13. Voltage Dips and Interruptions

13.1 Test Procedure

Test is conducting under the description of EN 61000-4-11.

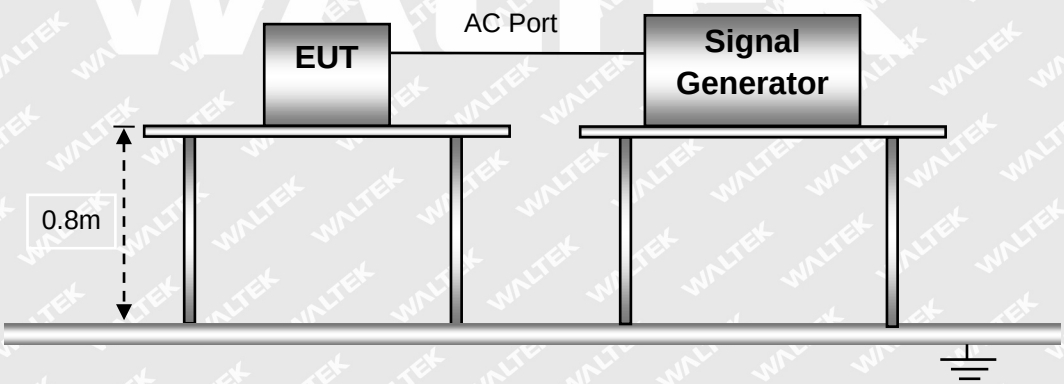
13.2 Test Performance

Performance Criterion: B/C

13.3 Environmental Conditions

Temperature:	22.5 °C
Relative Humidity:	52 %
ATM Pressure:	1012 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	0/90/180/270	3	B	/
2	30%	500ms	0/90/180/270	3	B	/
3	100%	5000ms	0/90/180/270	3	B	/

Test Result: Pass

EXHIBIT 1 - PRODUCT LABELING

Proposed CE Label Format

Medical/ITE Power Supply
Model: GT-46600-6012-T2, GT-46600-6524-T3
Brand: GlobTek, Inc.
Importer Name: XXX
Importer Address: XXX
1. GlobTek, Inc.
2. 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 is allowed less than 5 mm but must clear. 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.

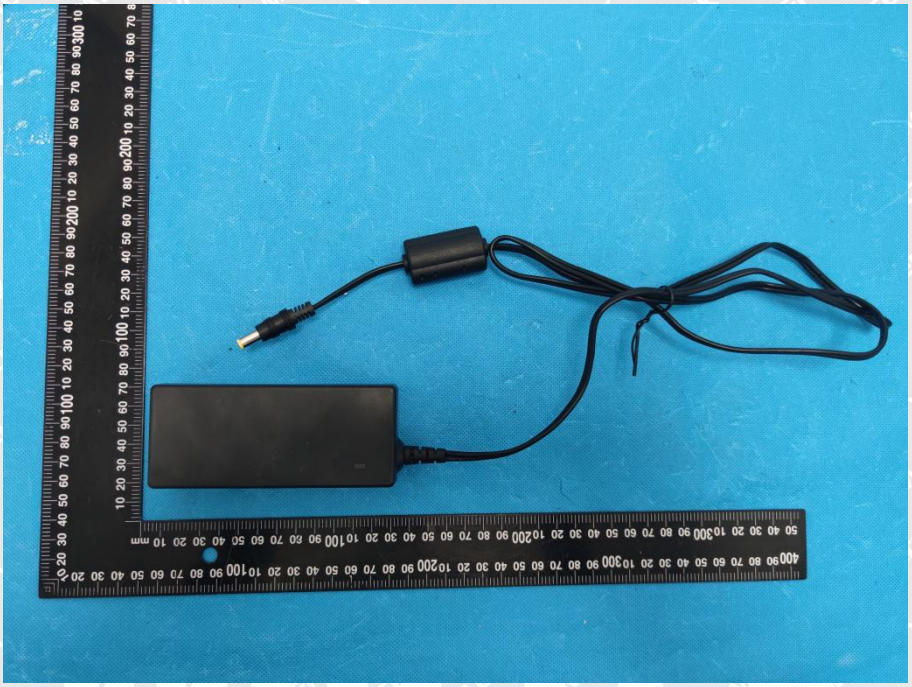
Proposed Label Location on EUT

CE Label Location

EXHIBIT 2 - EUT PHOTOGRAPHS

GT-46600-6012-T2

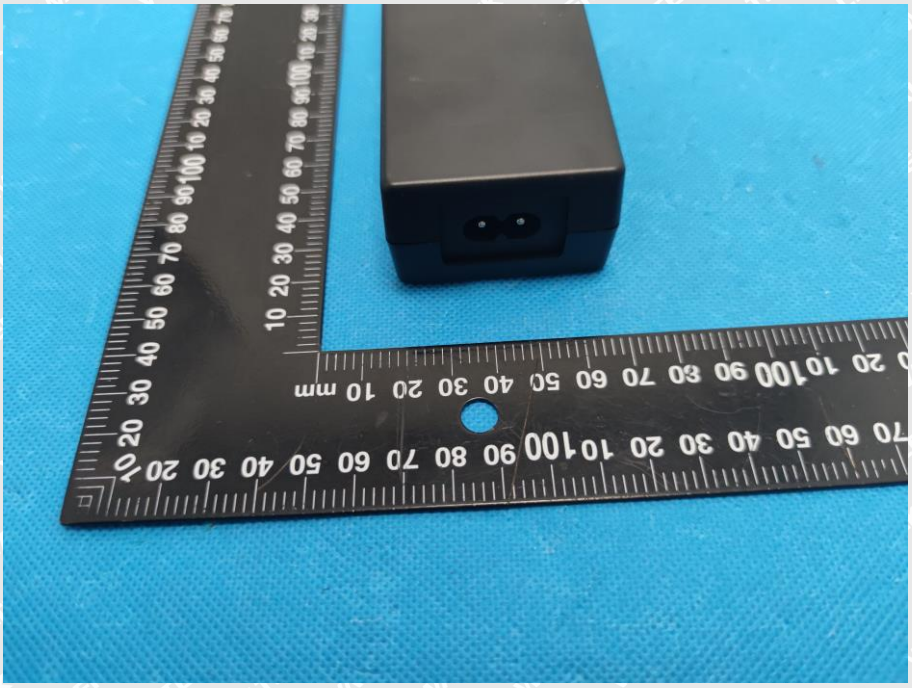
EUT View 1



EUT View 2

EUT View 3

EUT View 4



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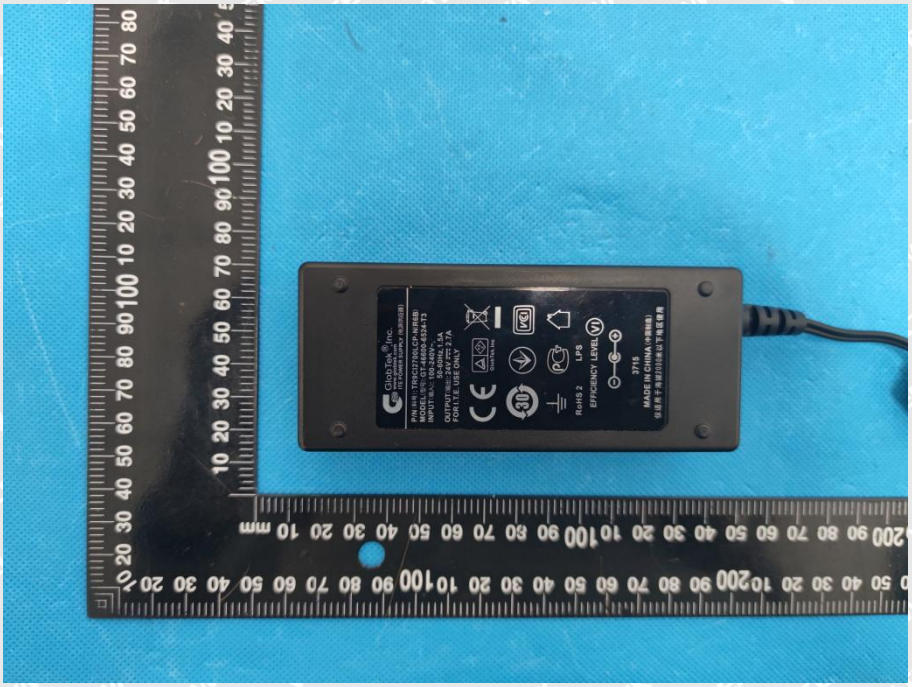
EUT View 1

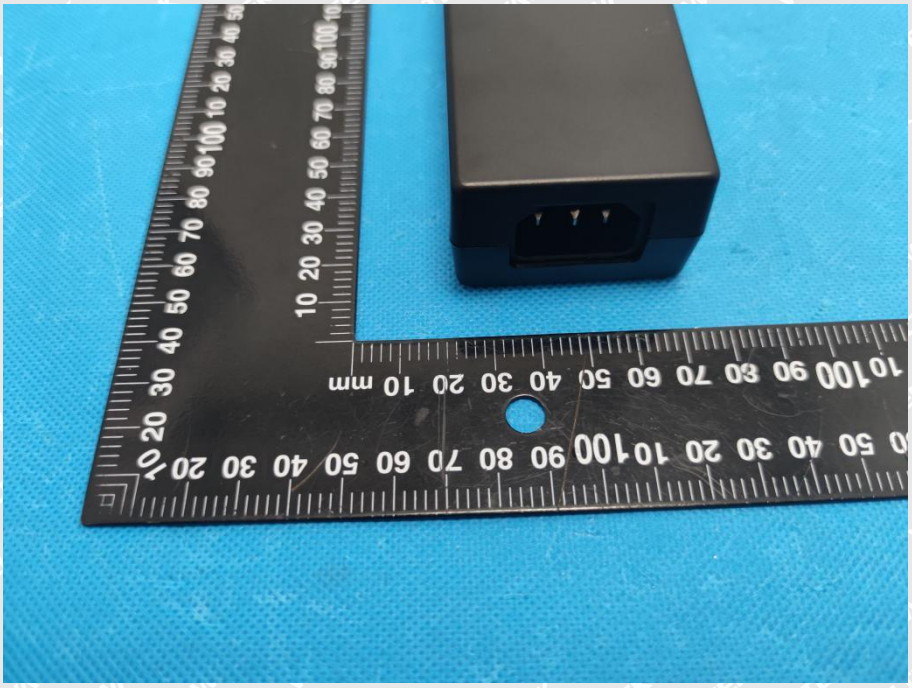
EUT View 2

EUT View 3



EUT View 4

EUT View 5



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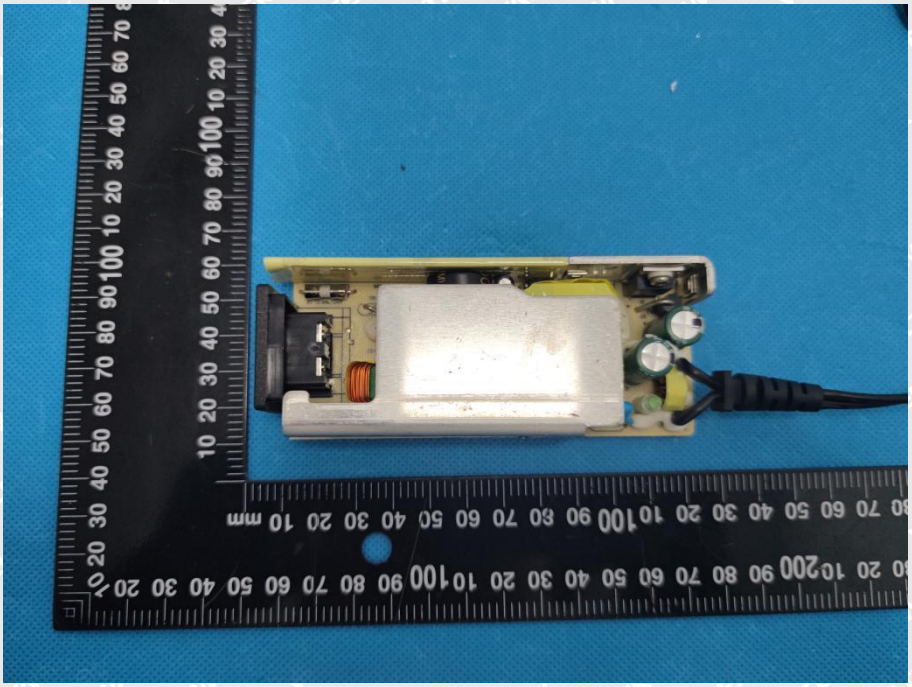
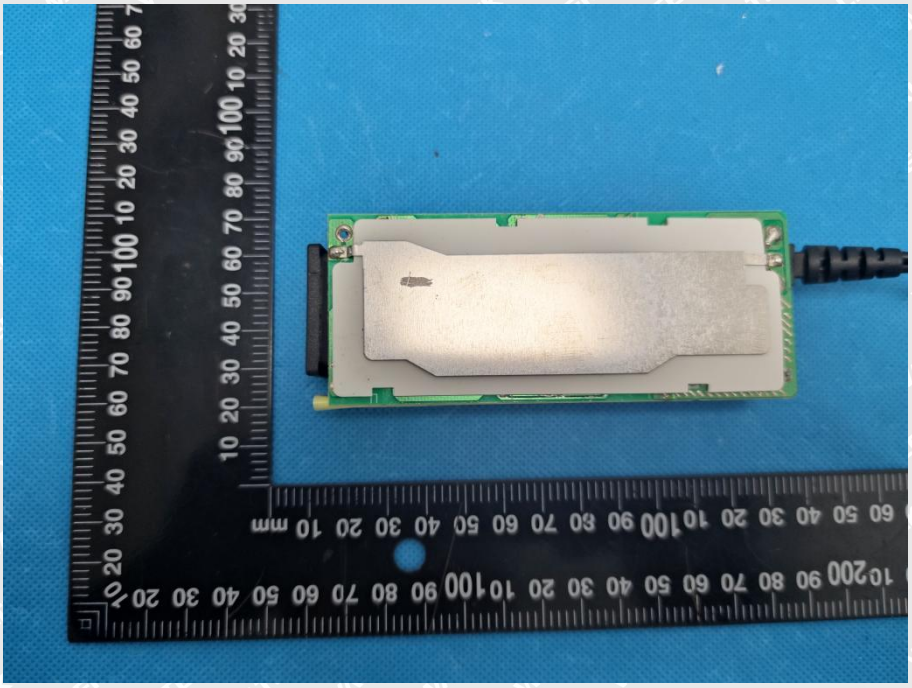
Solder Board-Component View 1

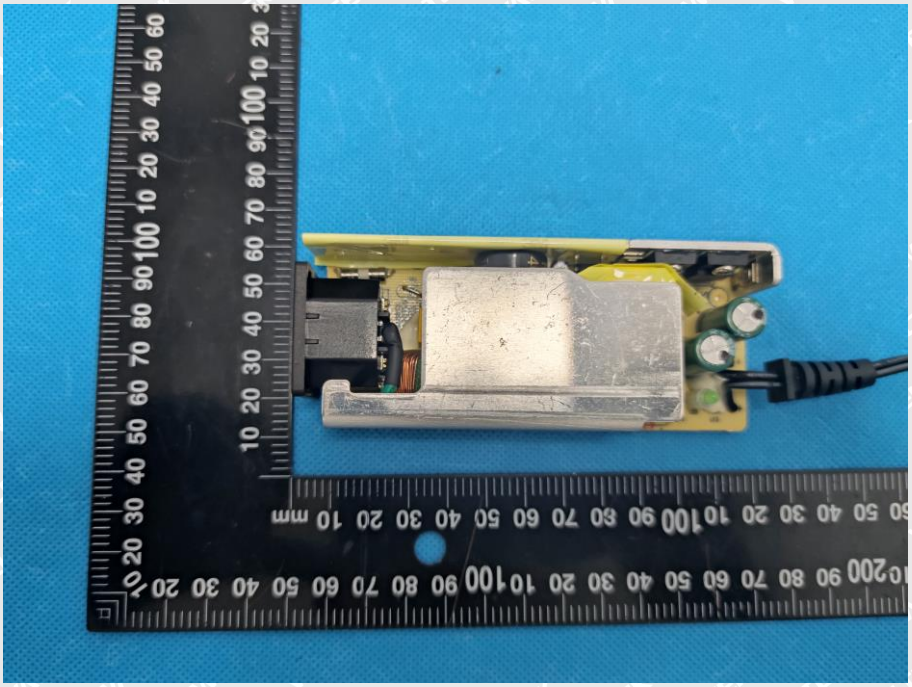


Solder Board-Component View 2



GT-46600-6524-T3

Solder Board-Component View 1



Solder Board-Component View 2

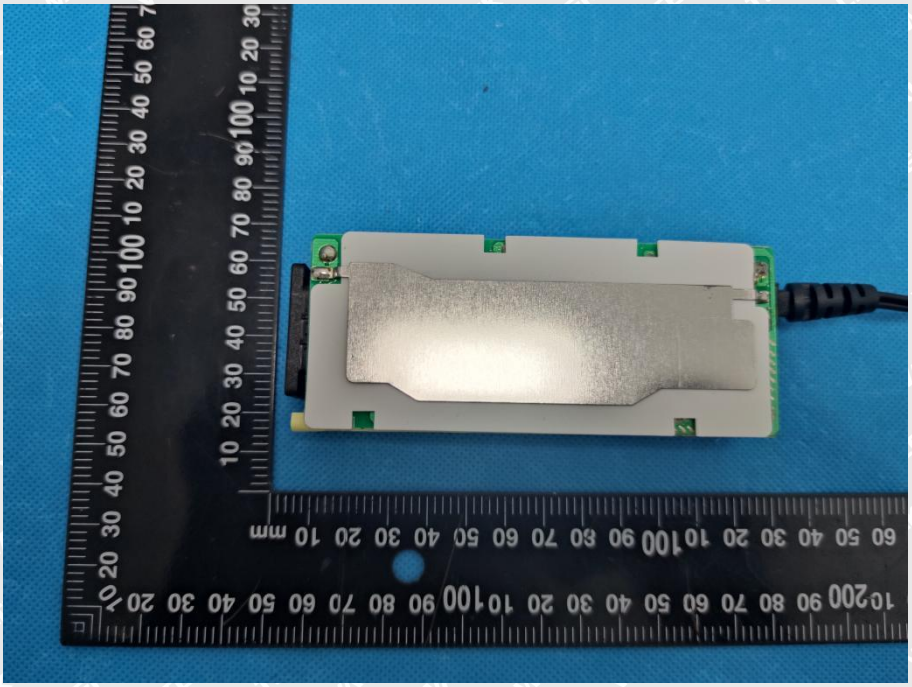
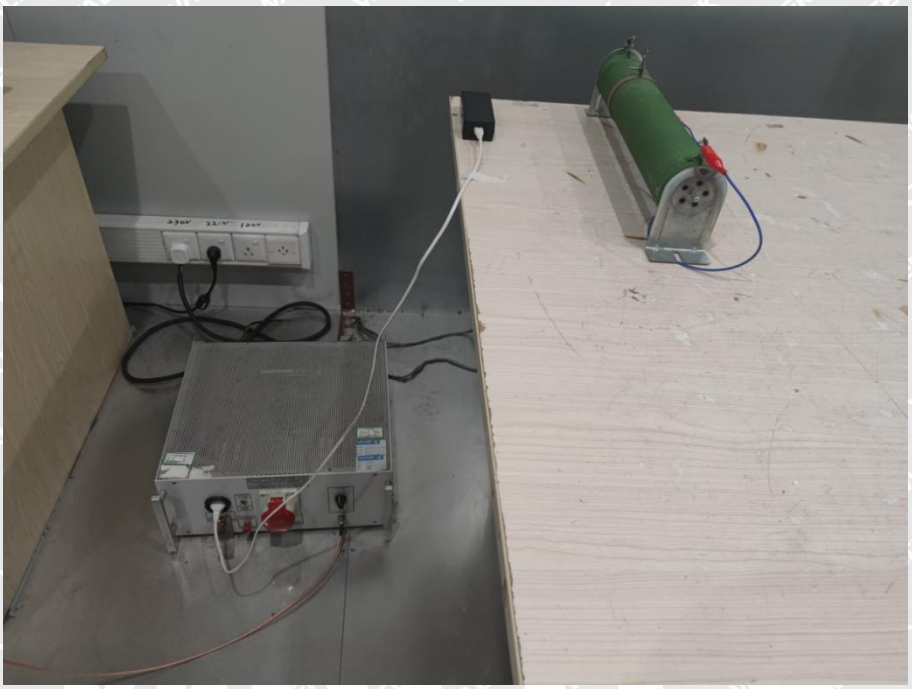
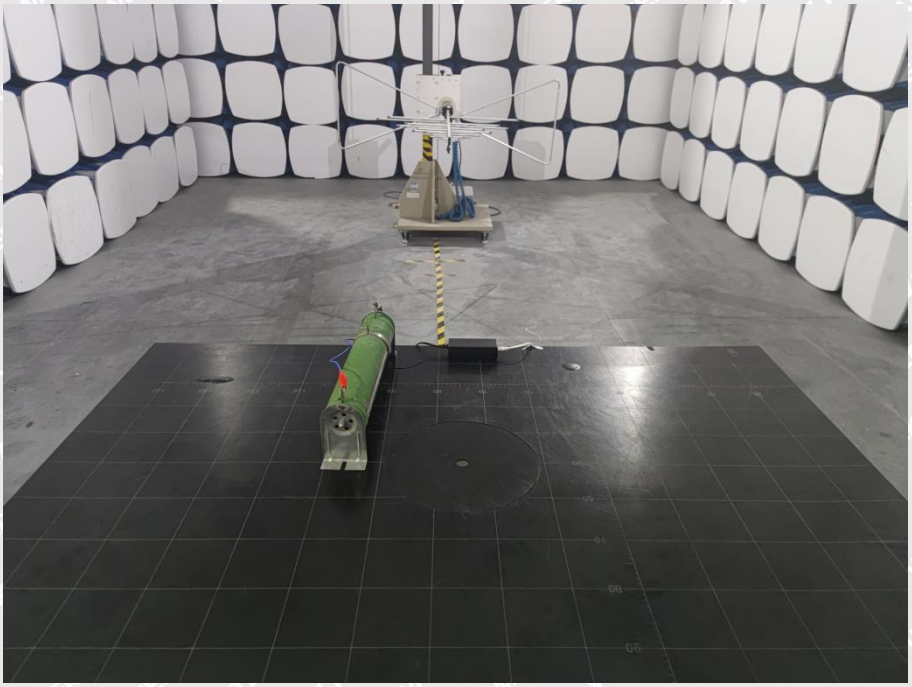


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

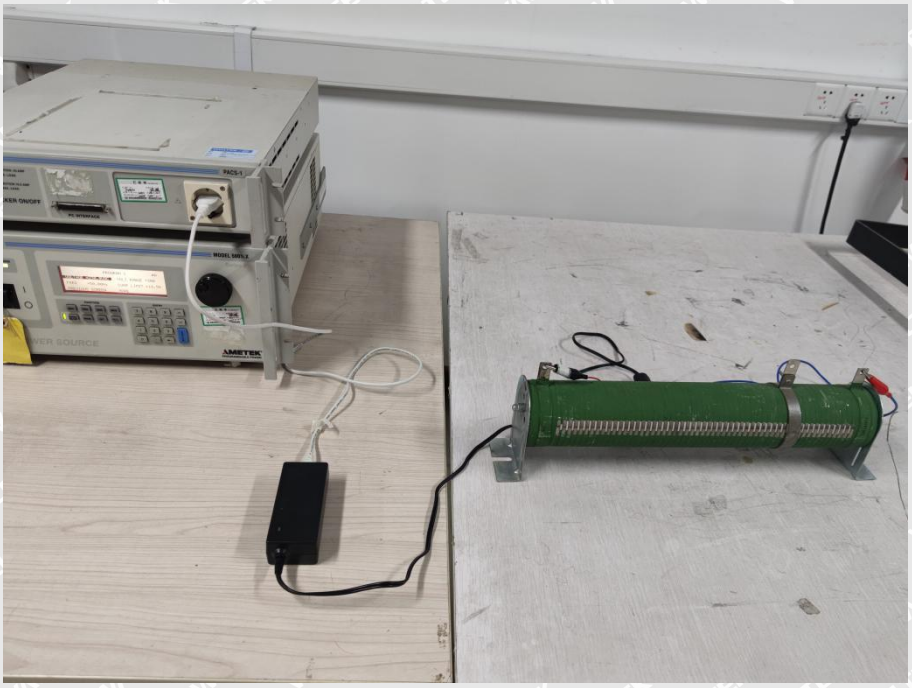
GT-46600-6012-T2
Conduction Emission Test View



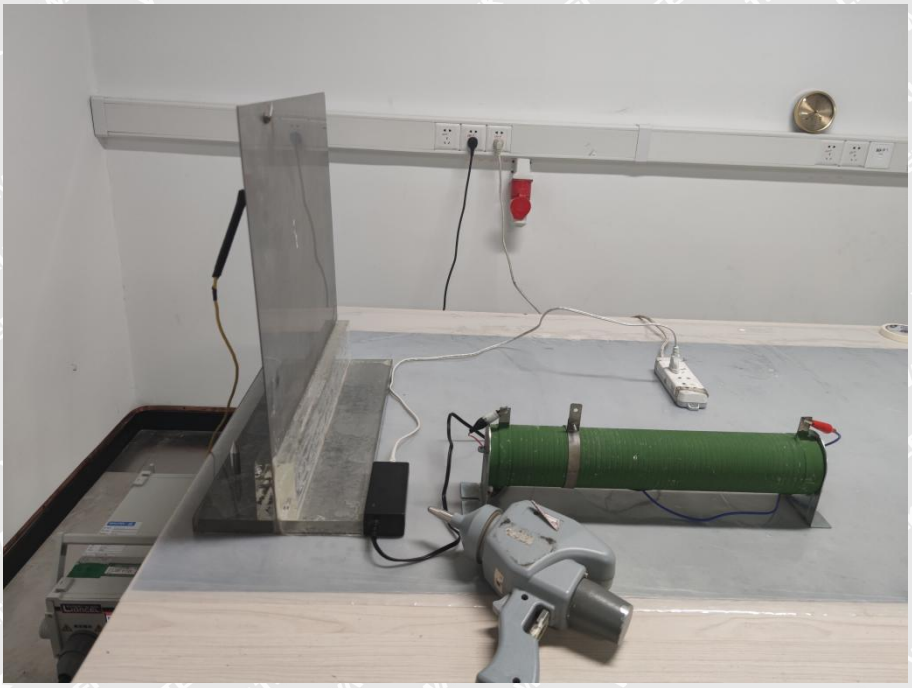
Radiation Emission Test View



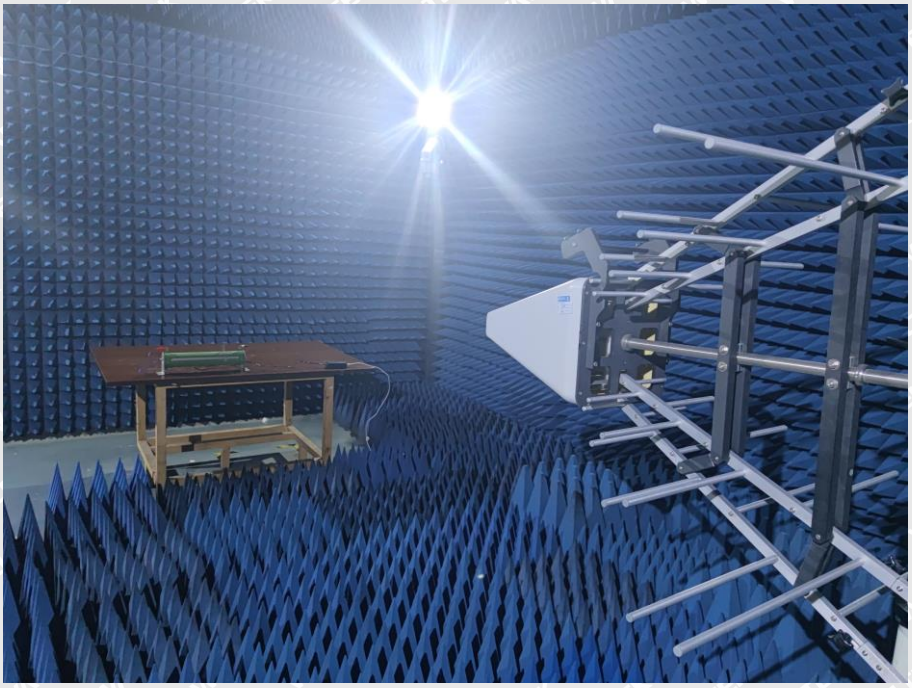
Harmonic/Flicker Test View



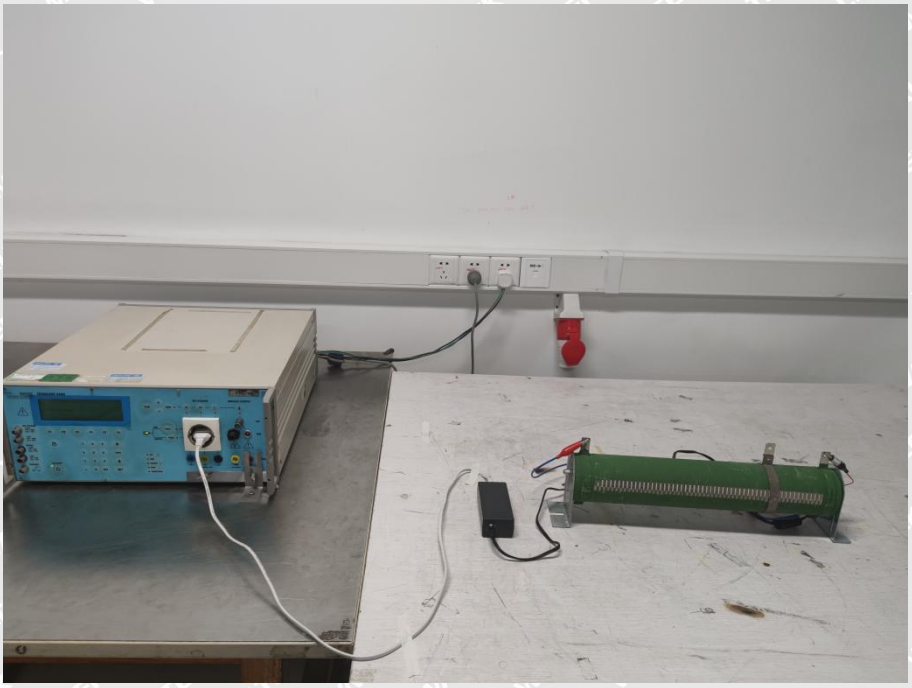
EN 61000-4-2 Test View



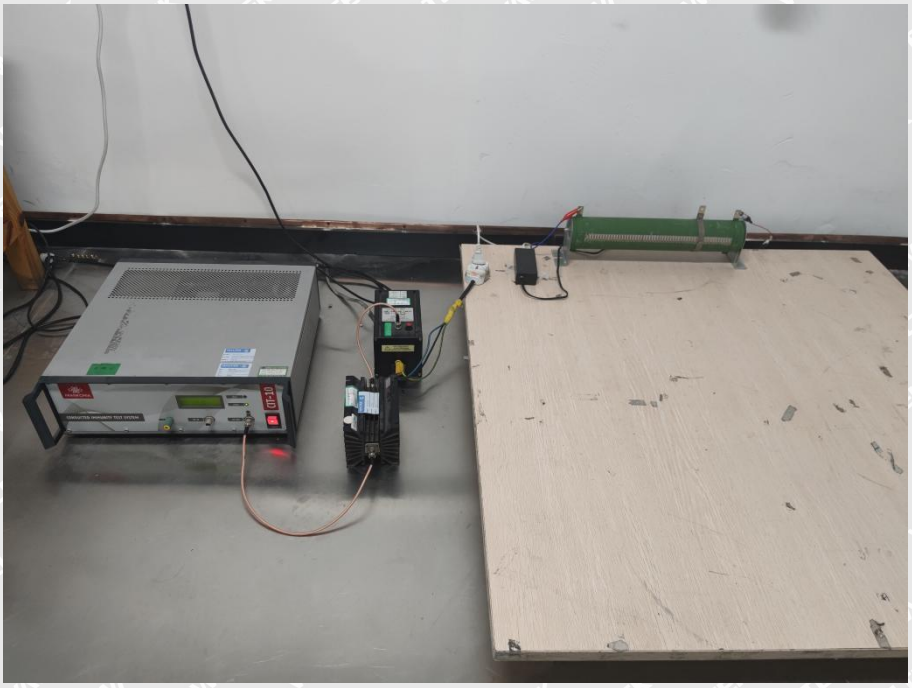
EN 61000-4-3 Test View



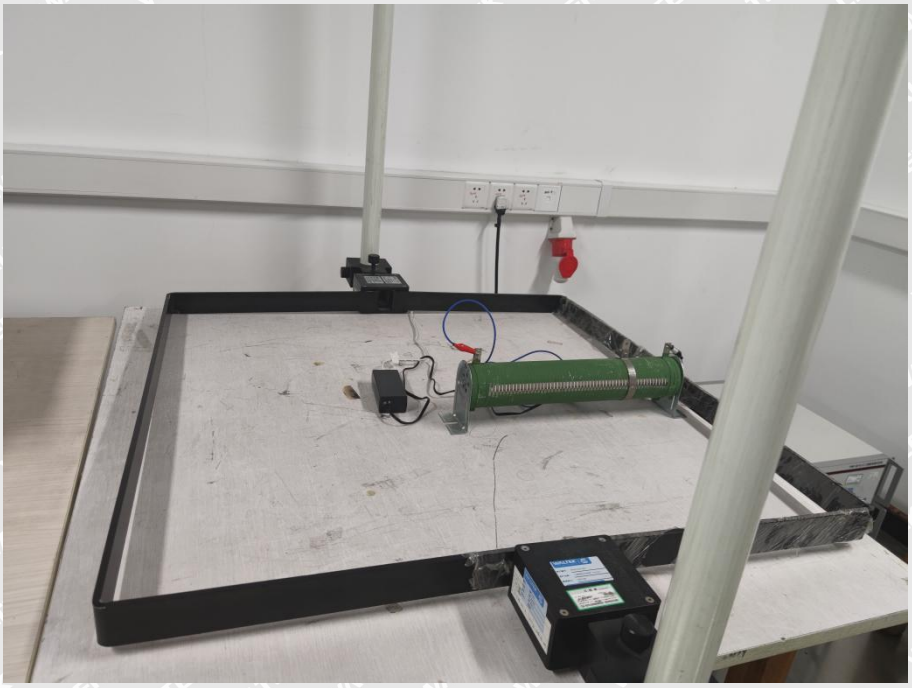
EN 61000-4-4/5/11 Test View



EN 61000-4-6 Test View

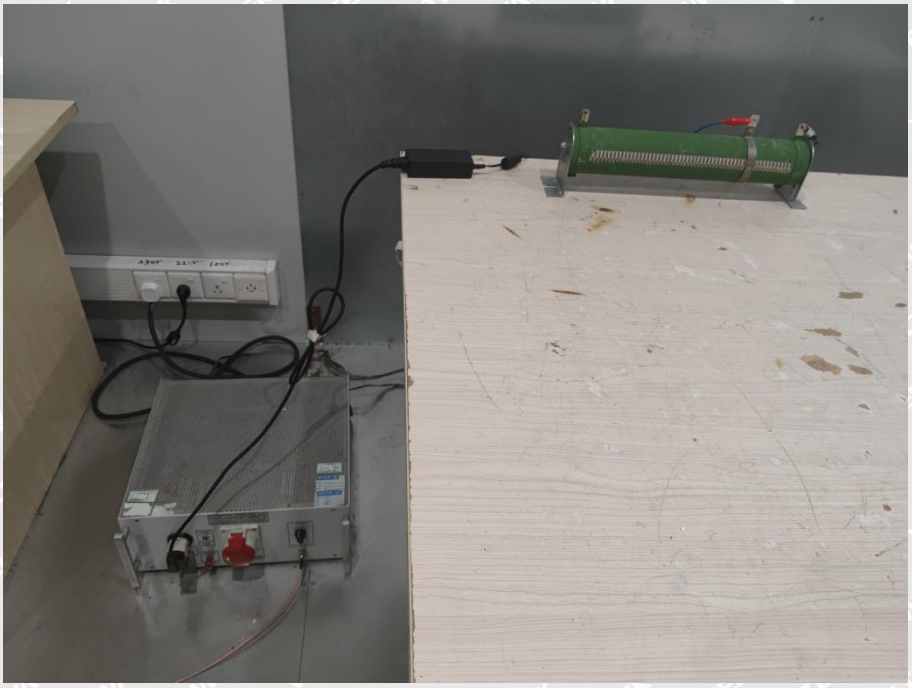


EN 61000-4-8 Test View

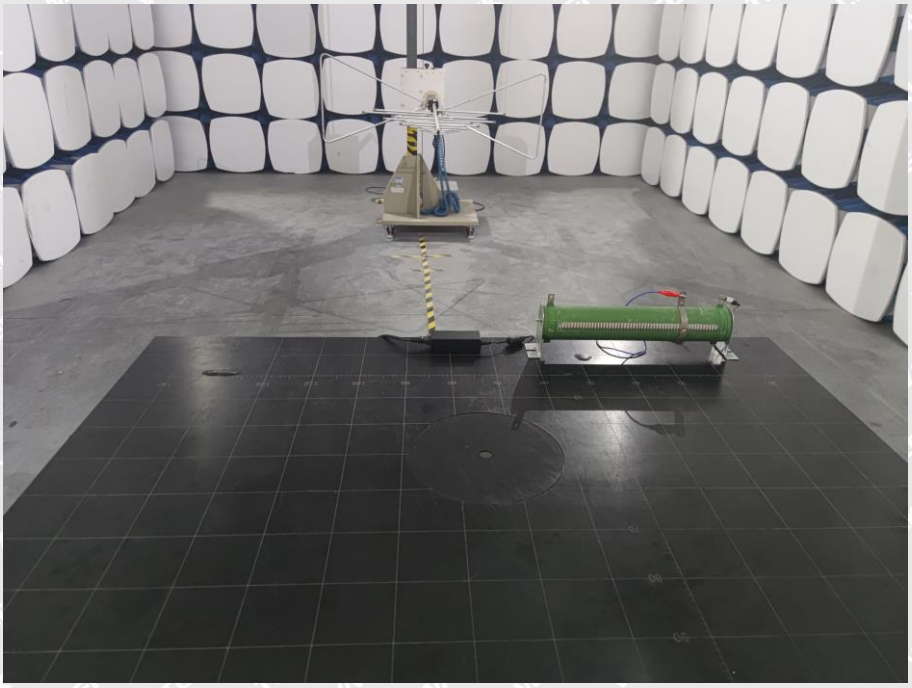


GT-46600-6524-T3

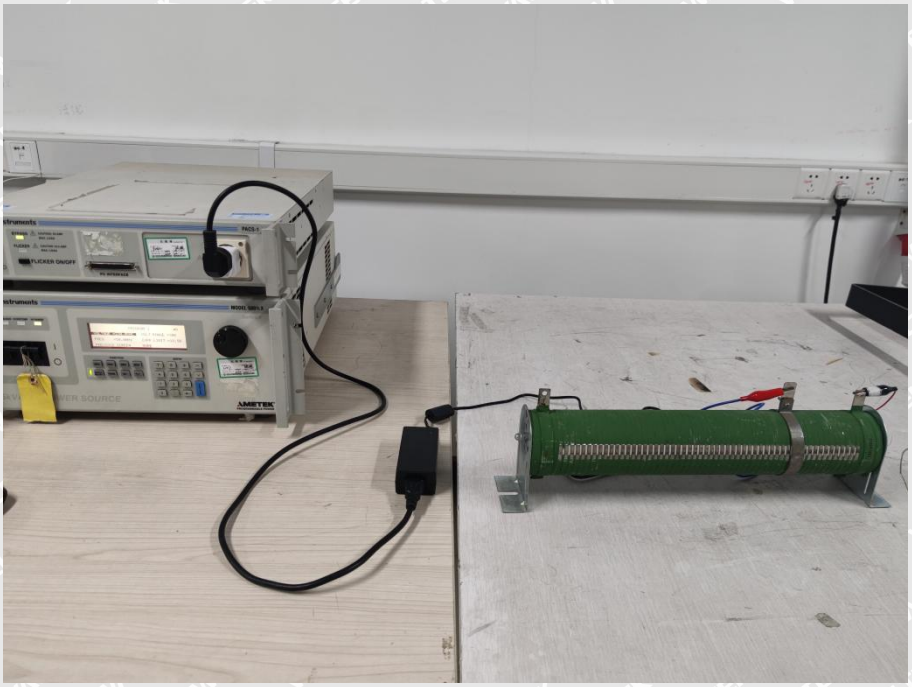
Conduction Emission Test View



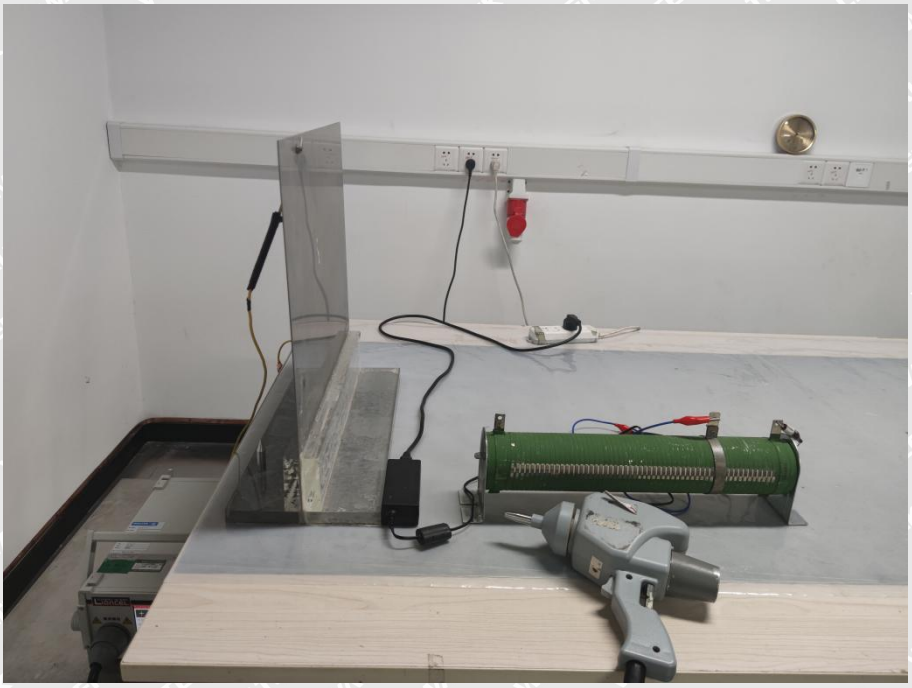
Radiation Emission Test View



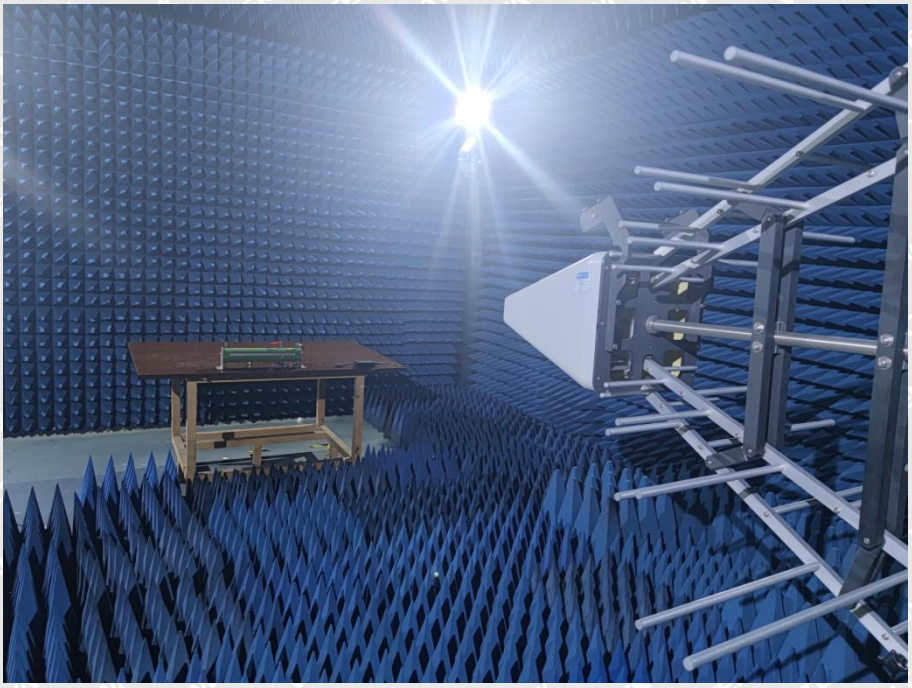
Harmonic/Flicker Test View



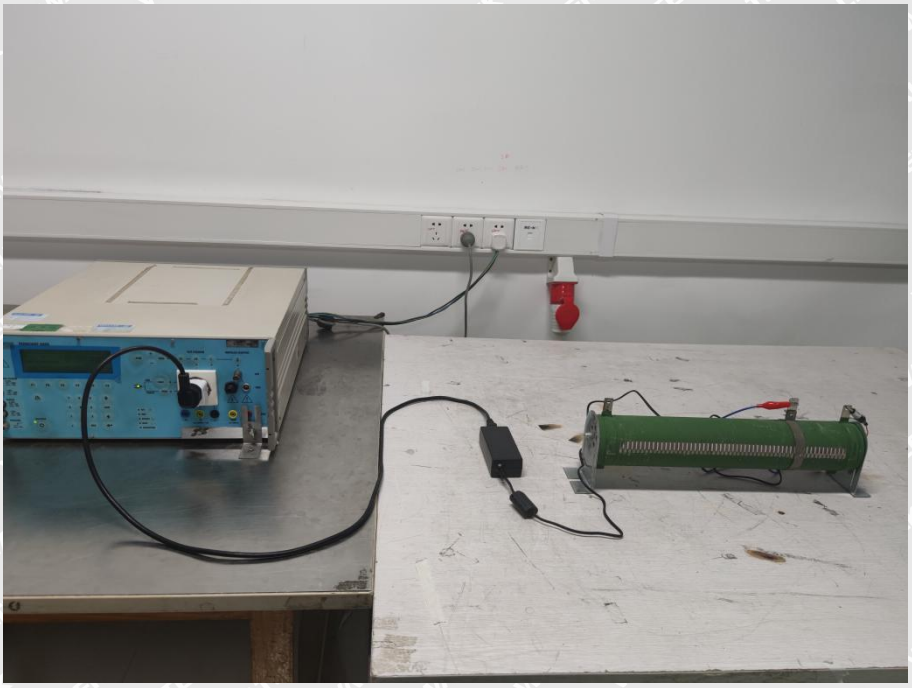
EN 61000-4-2 Test View



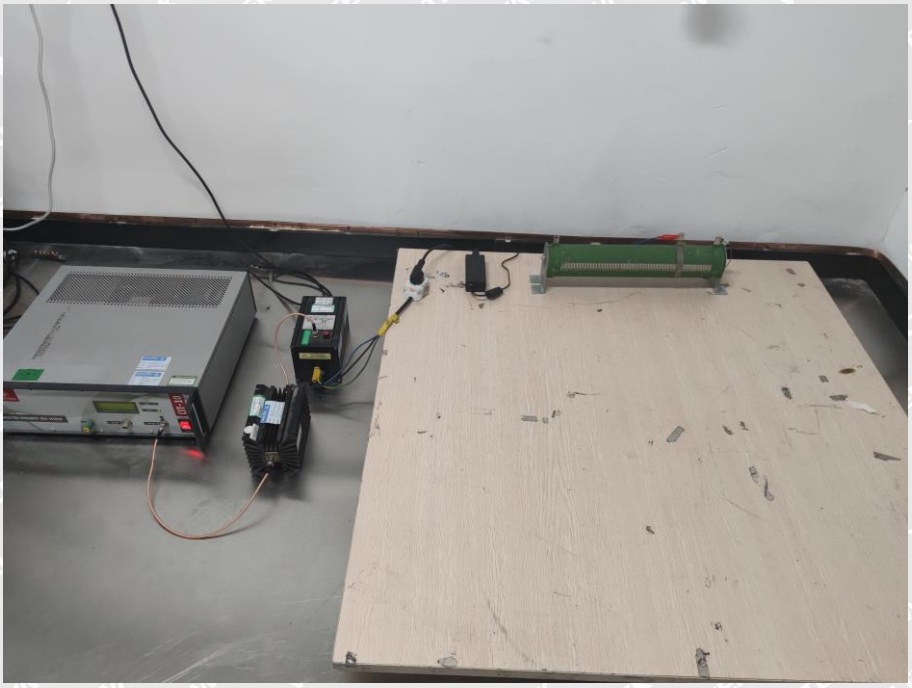
EN 61000-4-3 Test View



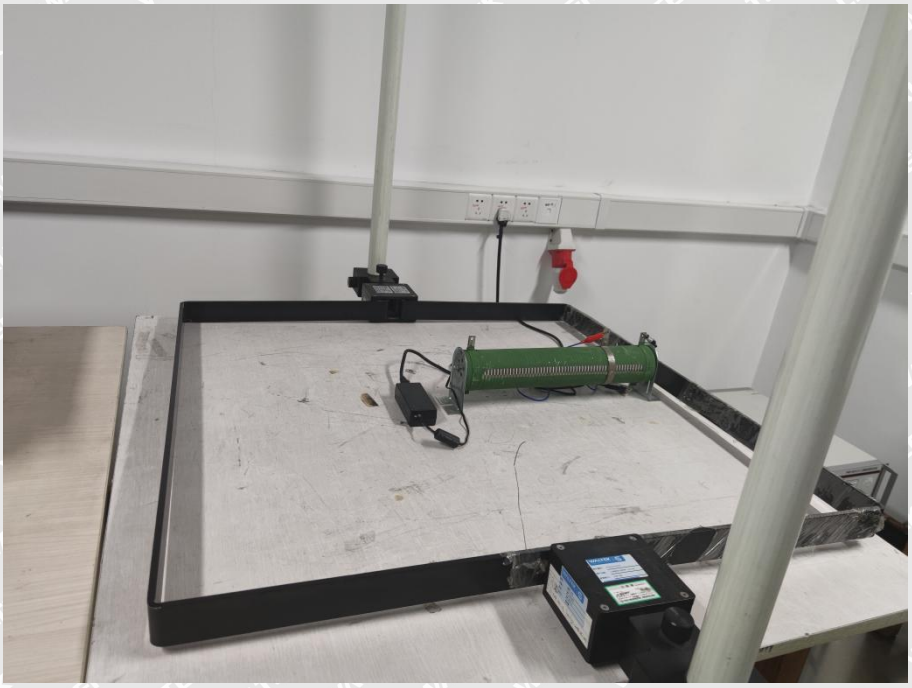
EN 61000-4-4/5/11 Test View



EN 61000-4-6 Test View



EN 61000-4-8 Test View



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