TEST REPORT

Reference No.	:	**WTX21X09095480E-2**
Applicant	:	**GlobTek, Inc.**
Address	:	**186 Veterans Dr. Northvale, NJ 07647 USA**
Product	:	**Medical/ITE Power Supply**
Test Model	:	**GTM96180-1811-2.0-T3, GTM91120-3024-T3A, GTM96300-3624-T2**
Standards	:	**EN 60601-1-2:2015**
Date of Receipt sample	:	**Oct. 19, 2021**
Date of Test	:	**Oct. 20, 2021 to Nov. 25, 2021**
Date of Issue	:	**Nov. 25, 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.:	GTM96180-1811-2.0-T3, GTM91120-3024-T3A, GTM96300-3624-T2
Adding Model(s):	/

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

*GT*96180-******, GT*96300-******, GT*91120-******,*

*GT*96180-******,*
The 1st "" part can be 'M' or '-' or 'H' for market identification and not related to safety.*
The 2nd "" denotes the rated output wattage designation, which can be "01" to "18", with interval of 1.*
The 3rd "" denotes the standard rated output voltage designation, which can be "07", "11", "17.9", "30", "38", "48", "54" or "56";*
The 4th ""is optional deviation, subtracted from standard output voltage, which can be "-0.01" to "-12.0" with interval of 0.01, or blank to indicate no voltage different.*
The 3rd "" and 4th "*" together denote the output voltage, with a range of 5 - 56 volts.*
The 5th "" = blank, it means wall plug in with interchangeable blade*
=-T2 means desktop class II with C8 AC inlet
=-T2A means desktop class II with C18 AC inlet
=-T3 means desktop class I or class II with functional earth with C14 AC inlet
=-T3A means desktop class I or class II with functional earth with C6 AC inlet
The 6th "" = Blank or -AP or -PP or -SP*
-AP (with baby board) stands for Active POE (full IEEE compliant)
-PP (no baby board) stands for Passive POE

-SP (no baby board) stands for Simple POE
*The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.*

Ratings
When the 6th "" is blank:*
*GT*96180-******, Input: 100-240V~, 50-60Hz or 50/60Hz, 0.6A, Output: 5-48Vdc, Max. 3.6A, Max. 18W*
When the 6th "" = -AP or -PP or –SP:*
*GT*96180-******, Input: 100-240V~, 50-60Hz or 50/60Hz, 0.6A, Output: 18-56Vdc, Max. 1.0A, Max. 18W*

*GT*96300-****** and GT*91120-******
The 1st "" part can be 'M' or '-' or 'H' for market identification and not related to safety.*
The 2nd "" denotes the rated output wattage designation, which can be "01" to "36", with interval of 1.*
The 3rd "" denotes the standard rated output voltage designation, which can be "07.5","10.5", "14.5","19.5", "24", "36", "48", "54" or "56";*
The 4th ""is optional deviation, subtracted from standard output voltage, which can be "-0.01" to "-11.9" with interval of 0.01, or blank to indicate no voltage different.*
The 3rd "" and 4th "*" together denote the output voltage, with a range of 5 - 56 volts.*
The 5th "" =-T2 means desktop class II with C8 AC inlet*
=-T2A means desktop class II with C18 AC inlet
=-T3 means desktop class I or class II with functional earth with C14 AC inlet
=-T3A means desktop class I or class II with functional earth with C6 AC inlet
=-R2 means hybrid desktop housing class II with C8 AC inlet
=-R3A means hybrid desktop housing class I or class II with functional earth with C6 AC inlet
=-F means Open Frame class I or class II with functional earth
=-FW means Open Frame class II
=-P2 means Encapsulated class II
=-P3 means Encapsulated class I or class II with functional earth
The 6th "" = Blank or -AP or -PP or -SP*
-AP (with baby board) stands for Active POE (full IEEE compliant)
-PP (no baby board) stands for Passive POE
-SP (no baby board) stands for Simple POE
*The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.*

Ratings
When the 6th "" is blank:*
*GT*96300-******, Input: 100-240V~, 50-60Hz or 50/60Hz, 1.0A, Output: 5-48Vdc, Max. 4.5A, Max. 36W*
*GT*91120-******, Input: 100-240V~, 50-60Hz or 50/60Hz, 1.5A, Output: 5-48Vdc, Max. 4A, Max. 30W*
When the 6th "" = -AP or -PP or –SP:*
*GT*96300-******, Input: 100-240V~, 50-60Hz or 50/60Hz, 1.0A, Output: 18-56Vdc, Max. 2.0A, Max. 36W*

Technical Characteristics of EUT	
Rated Voltage:	AC 100-240V 50-60Hz
Rated Current:	/
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: 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	Maximum power mode (GTM96180-1811-2.0-T3)	AC 230V/50Hz
TM2	Working mode	Maximum power mode (GTM91120-3024-T3A)	AC 230V/50Hz
TM3	Working mode	Maximum power mode (GTM96300-3624-T2)	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 (GT96180)	2.5	Unshielded	With	Without
Cable GT91120	2.5	Unshielded	With	Without
Cable GT96300	1.8	Unshielded	Without	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
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 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

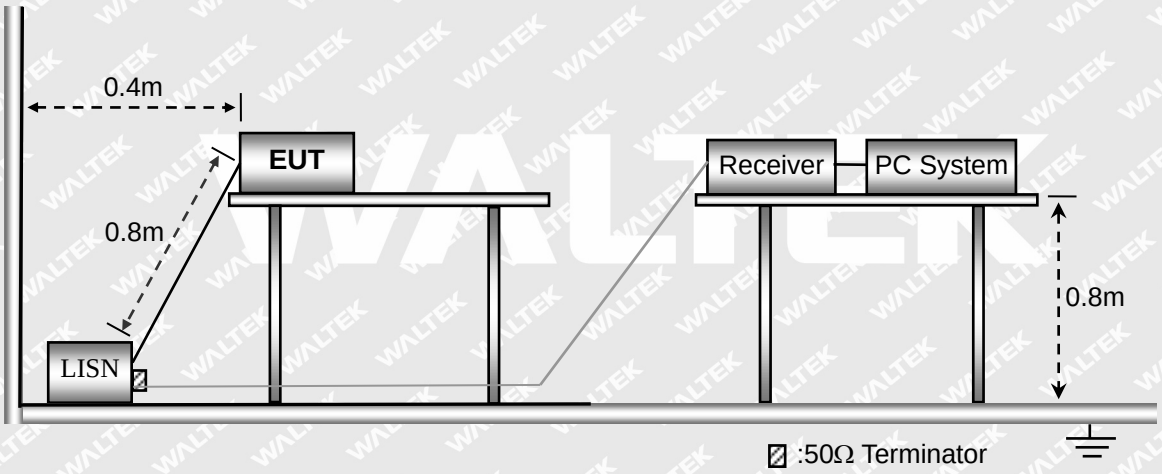
3. Conducted Emission

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

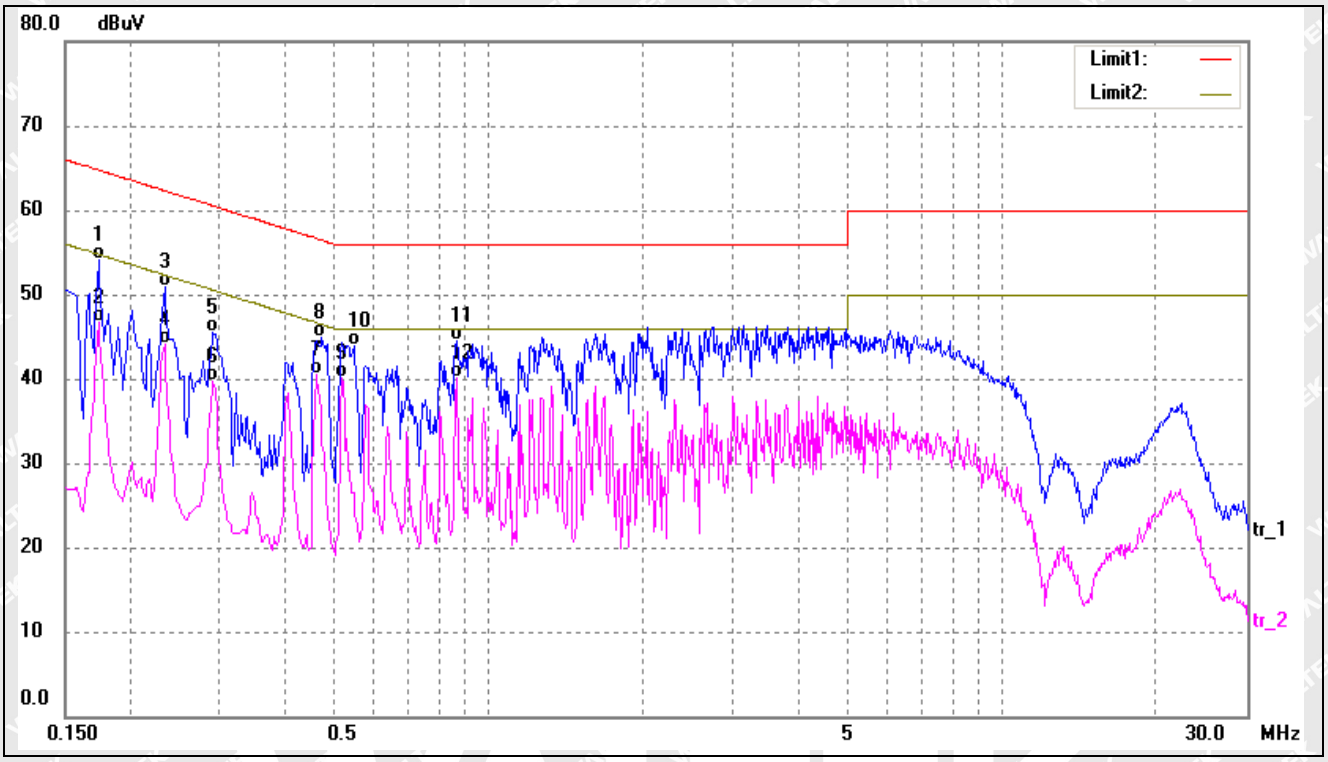
Temperature:	21.5 ° C
Relative Humidity:	48 %
ATM Pressure:	1012 mbar

3.4 Summary of Test Results

Please find the results below:

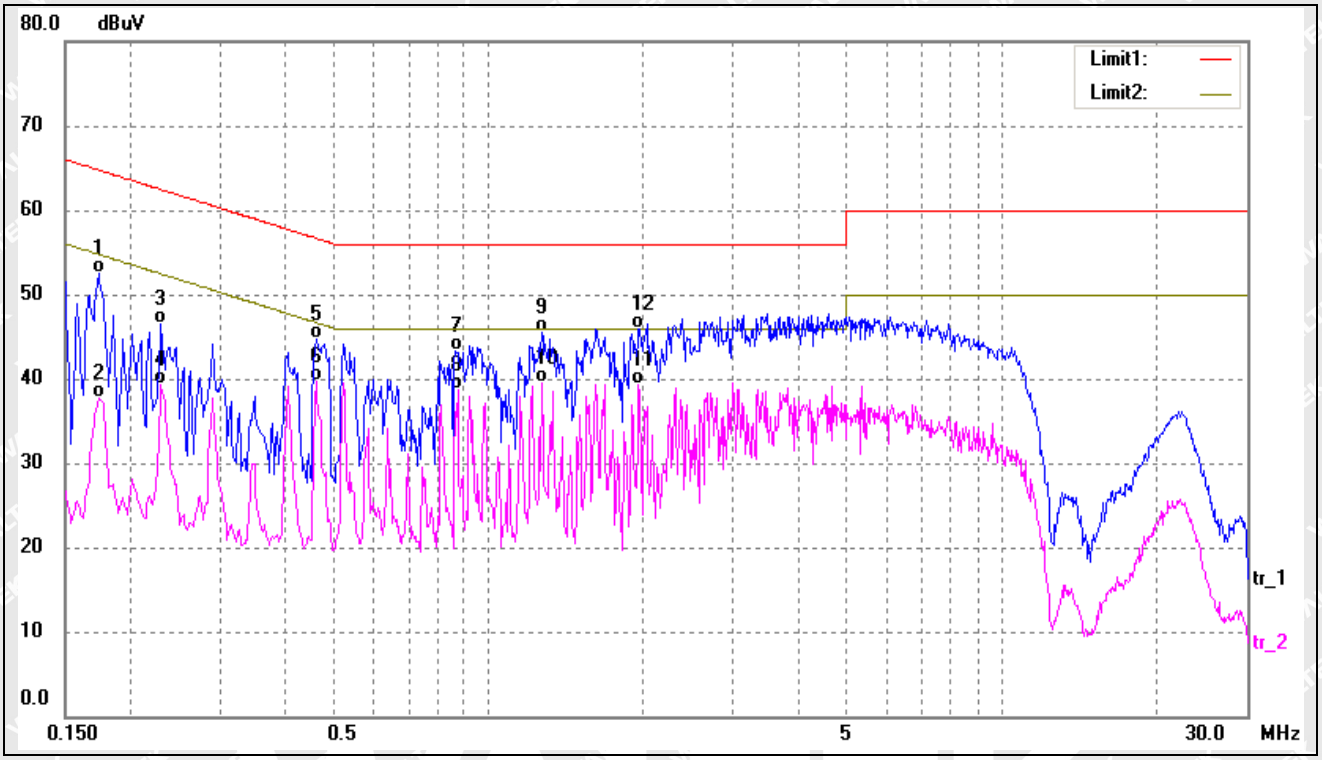
GTM96180-1811-2.0-T3

Test mode:	TM1	Polarity:	Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1739	43.80	10.25	54.05	64.77	-10.72	QP
2	0.1739	36.36	10.25	46.61	54.77	-8.16	AVG
3	0.2340	40.68	10.26	50.94	62.30	-11.36	QP
4	0.2340	33.88	10.26	44.14	52.30	-8.16	AVG
5	0.2899	35.18	10.24	45.42	60.52	-15.10	QP
6	0.2899	29.55	10.24	39.79	50.52	-10.73	AVG
7	0.4620	30.32	10.22	40.54	46.66	-6.12	AVG
8	0.4739	34.72	10.23	44.95	56.45	-11.50	QP
9*	0.5180	29.97	10.22	40.19	46.00	-5.81	AVG
10	0.5460	33.74	10.21	43.95	56.00	-12.05	QP
11	0.8699	34.27	10.21	44.48	56.00	-11.52	QP
12	0.8699	29.83	10.21	40.04	46.00	-5.96	AVG

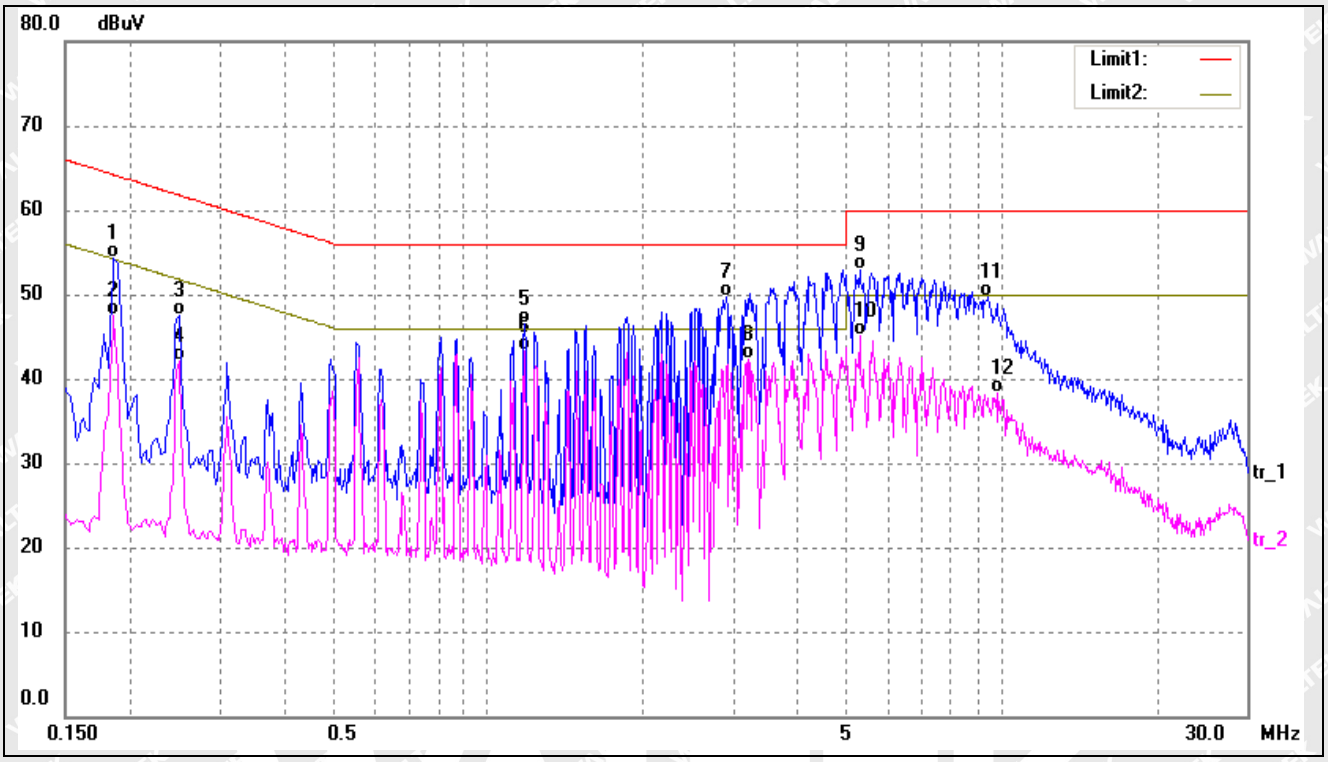
Test mode:	TM1	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1737	42.31	10.26	52.57	64.78	-12.21	QP
2	0.1737	27.41	10.26	37.67	54.78	-17.11	AVG
3	0.2300	36.19	10.26	46.45	62.45	-16.00	QP
4	0.2300	29.00	10.26	39.26	52.45	-13.19	AVG
5	0.4620	34.44	10.22	44.66	56.66	-12.00	QP
6	0.4620	29.55	10.22	39.77	46.66	-6.89	AVG
7	0.8659	33.05	10.21	43.26	56.00	-12.74	QP
8	0.8739	28.49	10.21	38.70	46.00	-7.30	AVG
9	1.2700	35.34	10.21	45.55	56.00	-10.45	QP
10*	1.2700	29.24	10.21	39.45	46.00	-6.55	AVG
11	1.9618	29.07	10.28	39.35	46.00	-6.65	AVG
12	1.9738	35.62	10.29	45.91	56.00	-10.09	QP

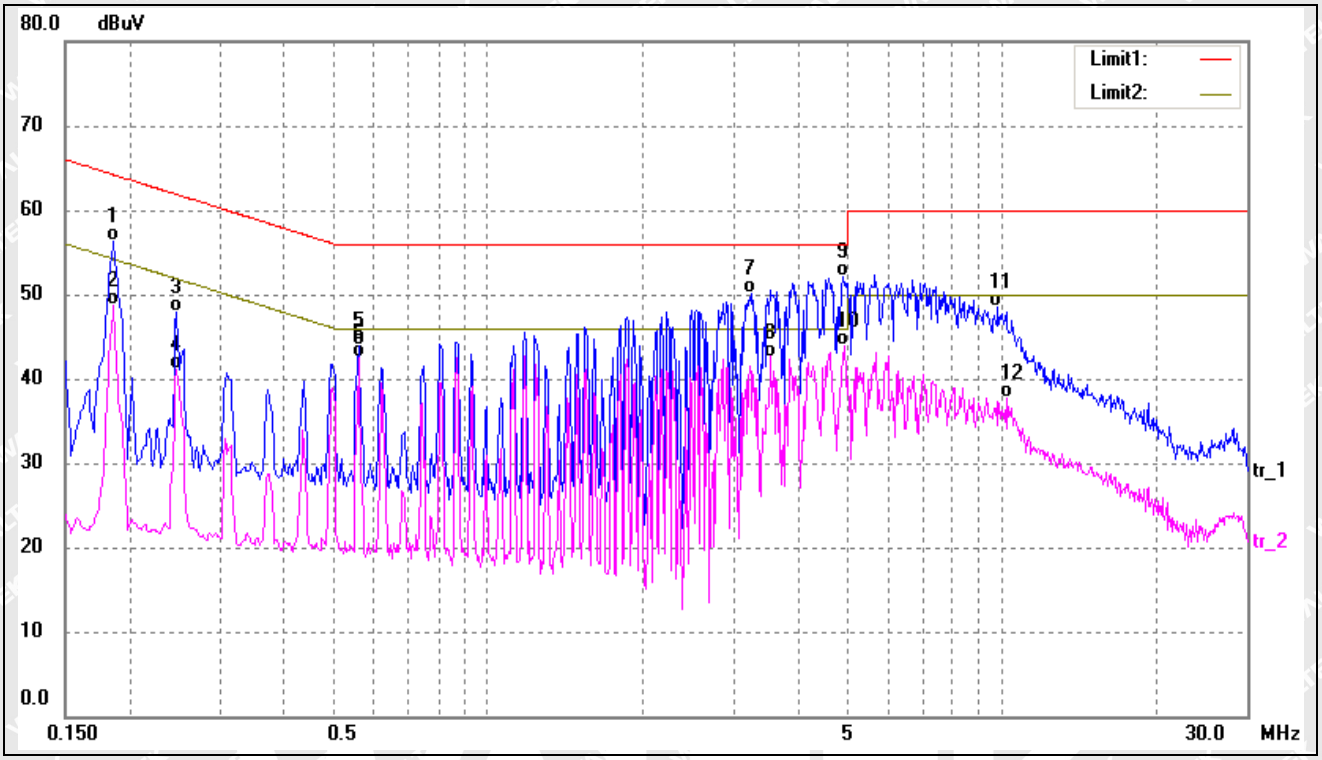
GTM91120-3024-T3A

Test mode:	TM2	Polarity:	Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	43.97	10.26	54.23	64.21	-9.98	QP
2	0.1860	37.30	10.26	47.56	54.21	-6.65	AVG
3	0.2500	37.18	10.26	47.44	61.75	-14.31	QP
4	0.2500	31.92	10.26	42.18	51.75	-9.57	AVG
5	1.1780	36.26	10.22	46.48	56.00	-9.52	QP
6*	1.1780	33.15	10.22	43.37	46.00	-2.63	AVG
7	2.9020	39.43	10.27	49.70	56.00	-6.30	QP
8	3.2100	31.96	10.27	42.23	46.00	-3.77	AVG
9	5.3020	42.77	10.22	52.99	60.00	-7.01	QP
10	5.3020	34.84	10.22	45.06	50.00	-4.94	AVG
11	9.4340	39.45	10.28	49.73	60.00	-10.27	QP
12	9.7980	27.99	10.28	38.27	50.00	-11.73	AVG

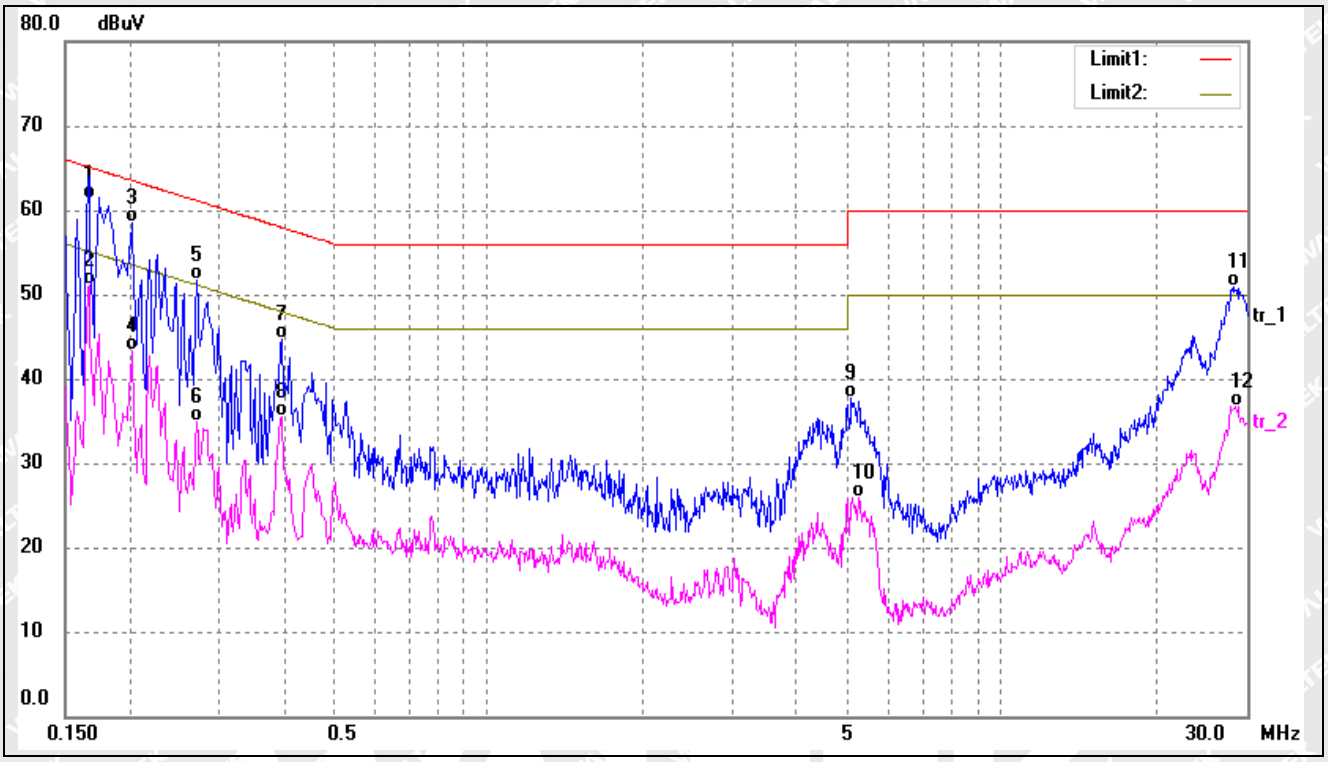
Test mode:	TM2	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1860	46.09	10.26	56.35	64.21	-7.86	QP
2	0.1860	38.50	10.26	48.76	54.21	-5.45	AVG
3	0.2460	37.65	10.26	47.91	61.89	-13.98	QP
4	0.2460	30.77	10.26	41.03	51.89	-10.86	AVG
5	0.5580	33.61	10.21	43.82	56.00	-12.18	QP
6	0.5580	32.28	10.21	42.49	46.00	-3.51	AVG
7	3.2700	39.81	10.26	50.07	56.00	-5.93	QP
8	3.5540	32.34	10.26	42.60	46.00	-3.40	AVG
9	4.9140	41.88	10.22	52.10	56.00	-3.90	QP
10*	4.9380	33.62	10.22	43.84	46.00	-2.16	AVG
11	9.8300	38.26	10.28	48.54	60.00	-11.46	QP
12	10.1820	27.43	10.29	37.72	50.00	-12.28	AVG

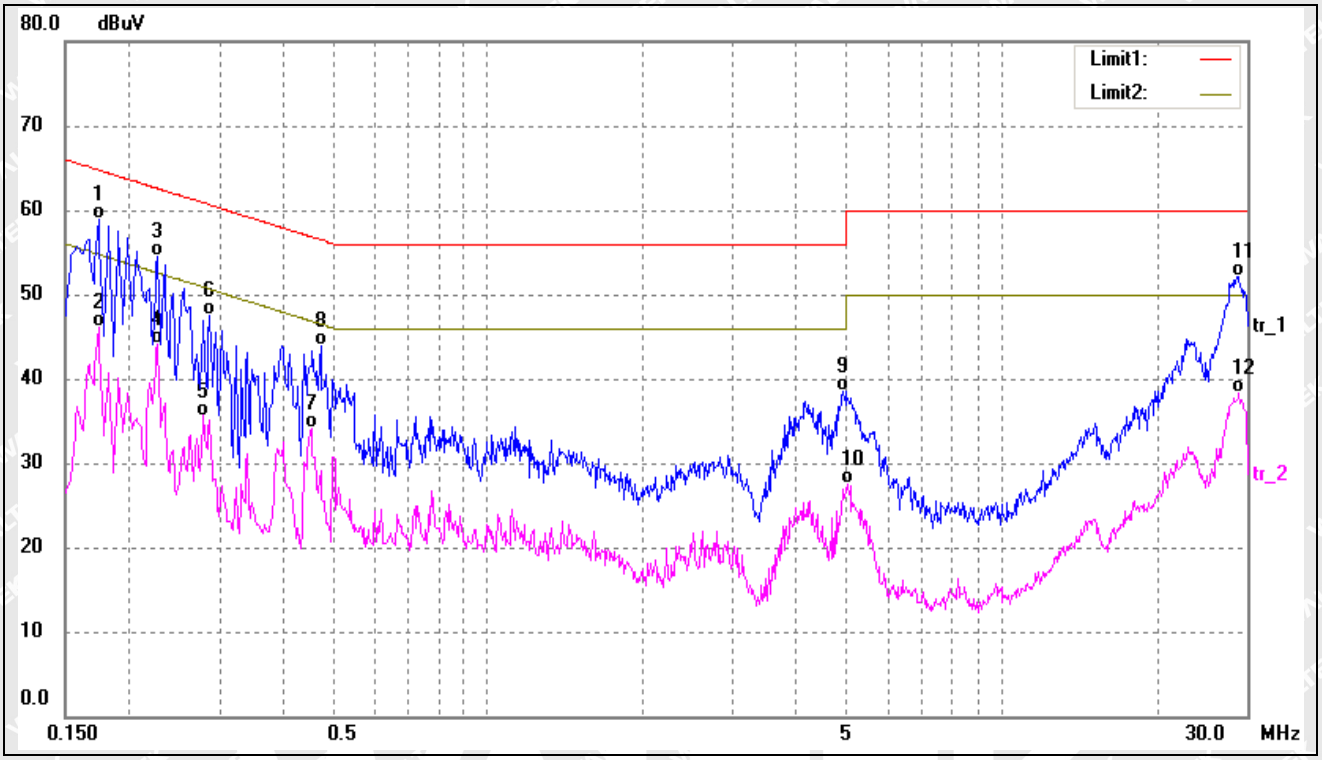
GTM96300-3624-T2

Test mode:	TM3	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1660	51.03	10.26	61.29	65.15	-3.86	QP
2	0.1660	40.85	10.26	51.11	55.15	-4.04	AVG
3	0.2020	48.15	10.27	58.42	63.52	-5.10	QP
4	0.2020	32.97	10.27	43.24	53.52	-10.28	AVG
5	0.2700	41.40	10.25	51.65	61.12	-9.47	QP
6	0.2700	24.57	10.25	34.82	51.12	-16.30	AVG
7	0.3940	34.42	10.23	44.65	57.98	-13.33	QP
8	0.3940	25.29	10.23	35.52	47.98	-12.46	AVG
9	5.0980	27.54	10.22	37.76	60.00	-22.24	QP
10	5.2500	15.76	10.22	25.98	50.00	-24.02	AVG
11	28.4380	40.22	10.69	50.91	60.00	-9.09	QP
12	28.8020	26.06	10.70	36.76	50.00	-13.24	AVG

Test mode:	TM3	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	48.75	10.25	59.00	64.76	-5.76	QP
2	0.1740	35.85	10.25	46.10	54.76	-8.66	AVG
3	0.2260	44.30	10.26	54.56	62.59	-8.03	QP
4	0.2260	33.91	10.26	44.17	52.59	-8.42	AVG
5	0.2779	25.35	10.25	35.60	50.88	-15.28	AVG
6	0.2860	37.25	10.25	47.50	60.64	-13.14	QP
7	0.4500	23.93	10.22	34.15	46.87	-12.72	AVG
8	0.4700	33.74	10.23	43.97	56.51	-12.54	QP
9	4.9140	28.34	10.22	38.56	56.00	-17.44	QP
10	5.0260	17.19	10.22	27.41	50.00	-22.59	AVG
11	28.6580	41.41	10.69	52.10	60.00	-7.90	QP
12	29.0020	27.61	10.70	38.31	50.00	-11.69	AVG

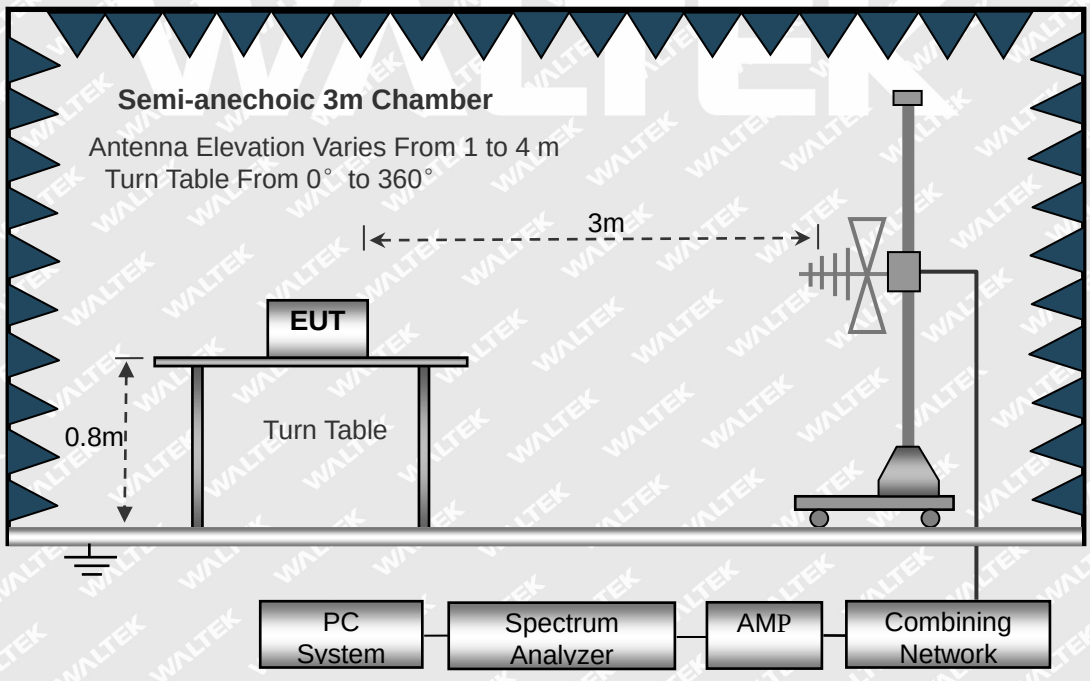
4. Radiated Emission

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

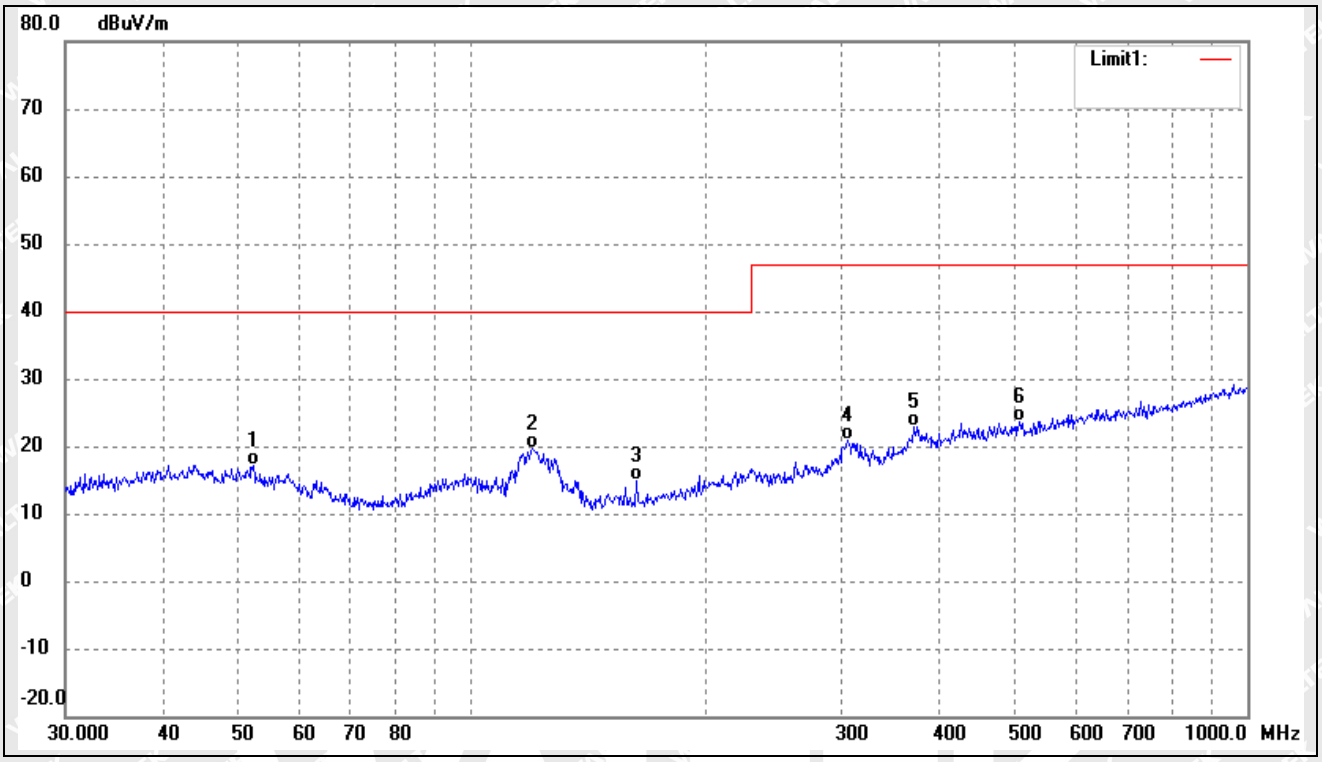
Temperature:	23.5 ° C
Relative Humidity:	54 %
ATM Pressure:	1010 mbar

4.5 Summary of Test Results

Please find the results below:

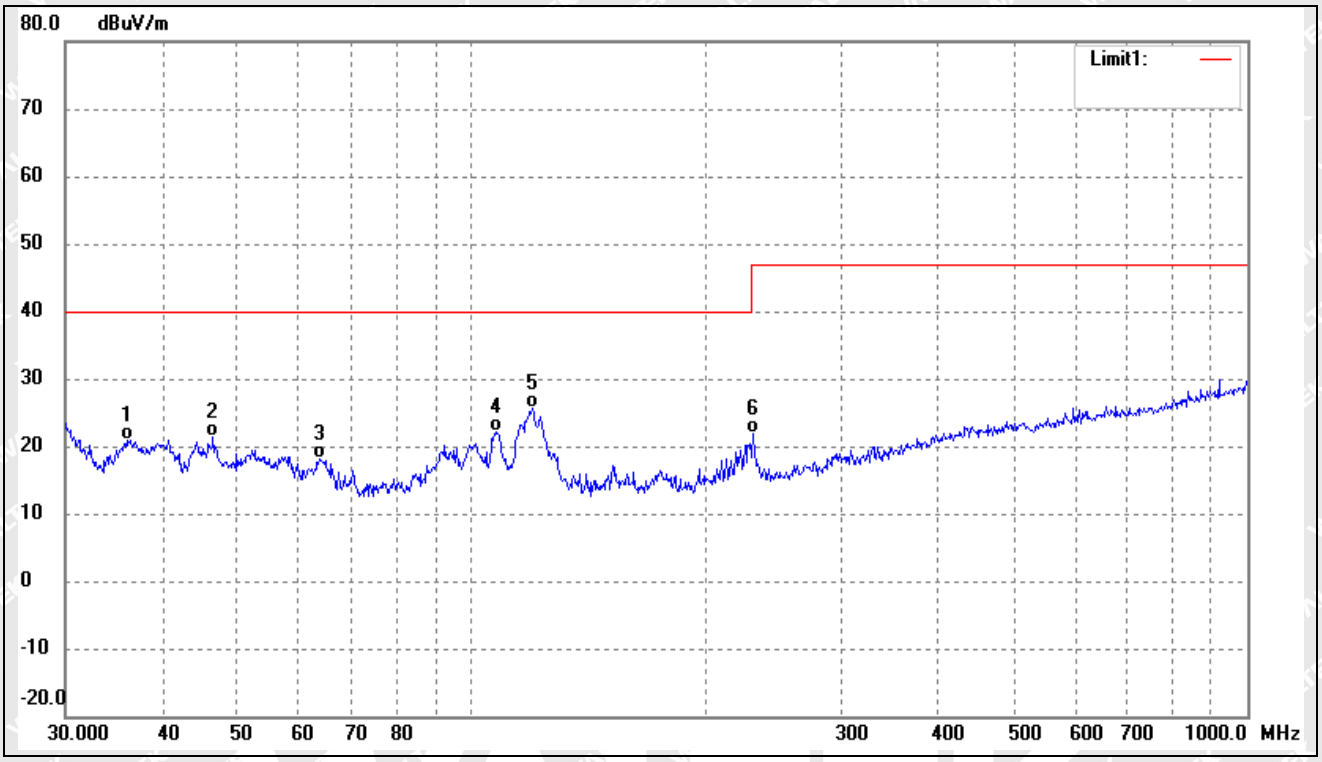
GTM96180-1811-2.0-T3

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	52.3912	28.52	-11.34	17.18	40.00	-22.82	281	100	QP
2	119.8555	33.52	-13.91	19.61	40.00	-20.39	92	100	QP
3	163.1818	29.45	-14.68	14.77	40.00	-25.23	331	100	QP
4	305.6800	29.95	-9.17	20.78	47.00	-26.22	97	100	QP
5	372.0045	30.05	-7.08	22.97	47.00	-24.03	217	100	QP
6	508.2581	28.70	-5.09	23.61	47.00	-23.39	115	100	QP

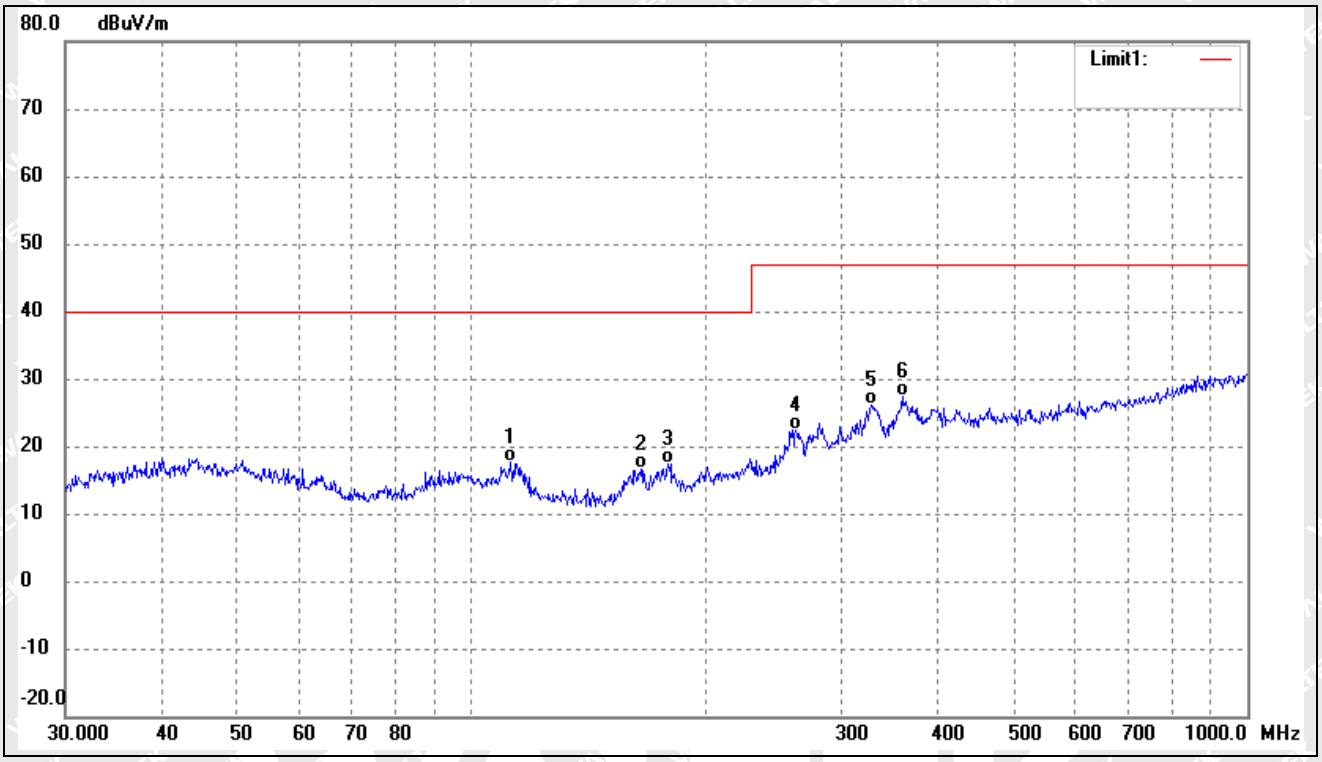
Test mode:	TM1	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	36.0007	32.57	-11.61	20.96	40.00	-19.04	149	100	QP
2	46.5030	32.24	-10.89	21.35	40.00	-18.65	114	100	QP
3	63.7588	31.90	-13.68	18.22	40.00	-21.78	97	100	QP
4	107.5101	34.70	-12.47	22.23	40.00	-17.77	132	100	QP
5	119.8556	39.48	-13.91	25.57	40.00	-14.43	184	100	QP
6	230.9068	33.42	-11.49	21.93	47.00	-25.07	308	100	QP

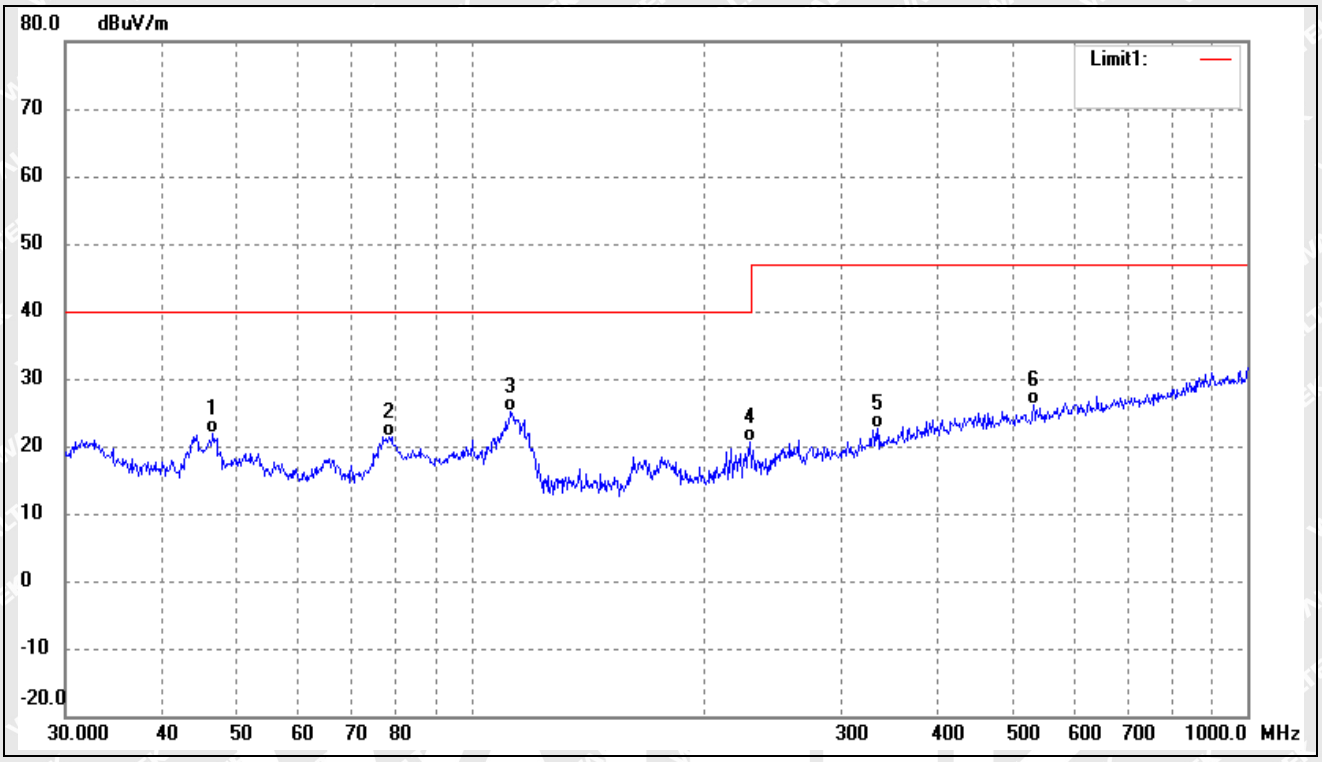
GTM91120-3024-T3A

Test mode:	TM2	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	112.5244	29.86	-12.28	17.58	40.00	-22.42	54	100	QP
2	165.4866	30.41	-13.67	16.74	40.00	-23.26	160	100	QP
3	179.3863	30.47	-13.05	17.42	40.00	-22.58	90	100	QP
4	261.9753	31.46	-9.05	22.41	47.00	-24.59	345	100	QP
5	327.8873	32.86	-6.83	26.03	47.00	-20.97	275	100	QP
6	359.1860	33.17	-5.79	27.38	47.00	-19.62	303	100	QP

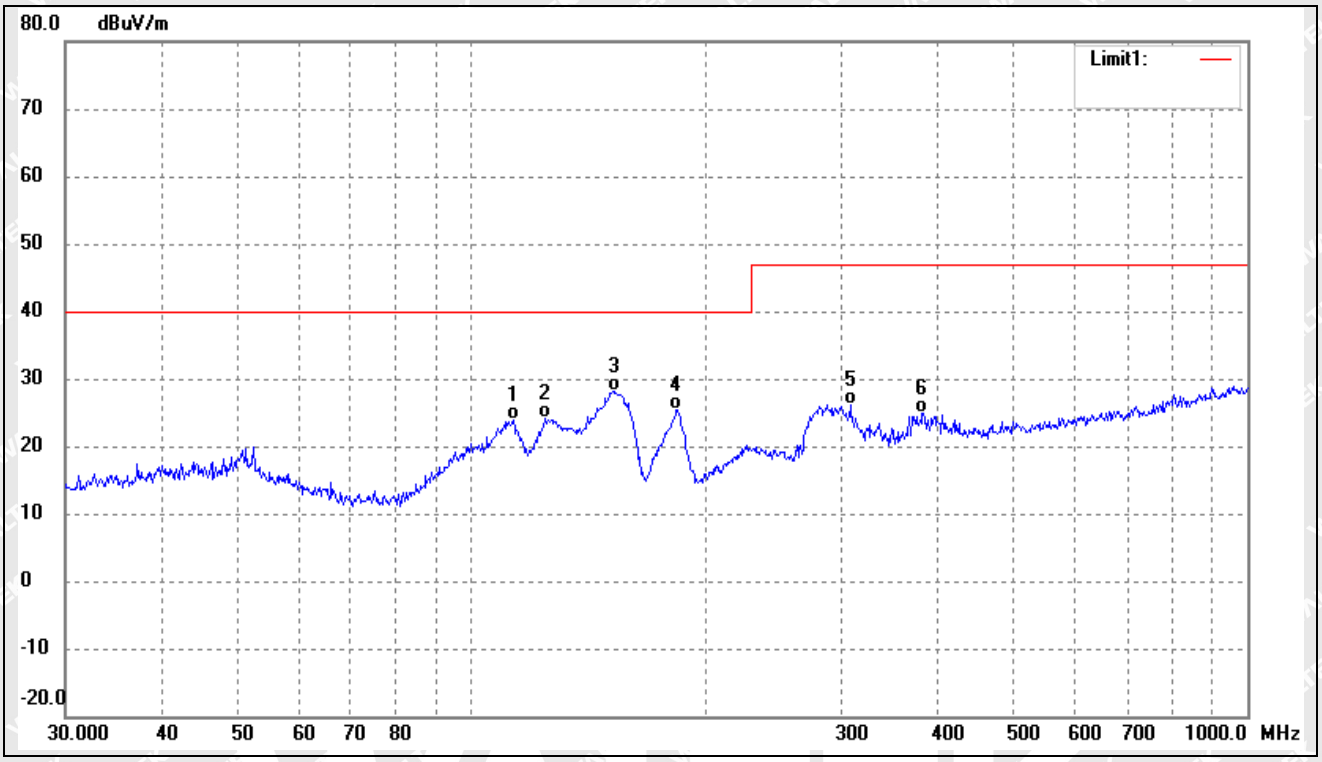
Test mode:	TM2	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	46.5030	31.81	-9.91	21.90	40.00	-18.10	269	100	QP
2	78.4133	35.49	-14.06	21.43	40.00	-18.57	161	100	QP
3	112.5244	37.37	-12.28	25.09	40.00	-14.91	67	100	QP
4	228.4904	30.86	-10.28	20.58	40.00	-19.42	311	100	QP
5	333.6867	29.27	-6.67	22.60	47.00	-24.40	140	100	QP
6	530.1014	29.52	-3.29	26.23	47.00	-20.77	230	100	QP

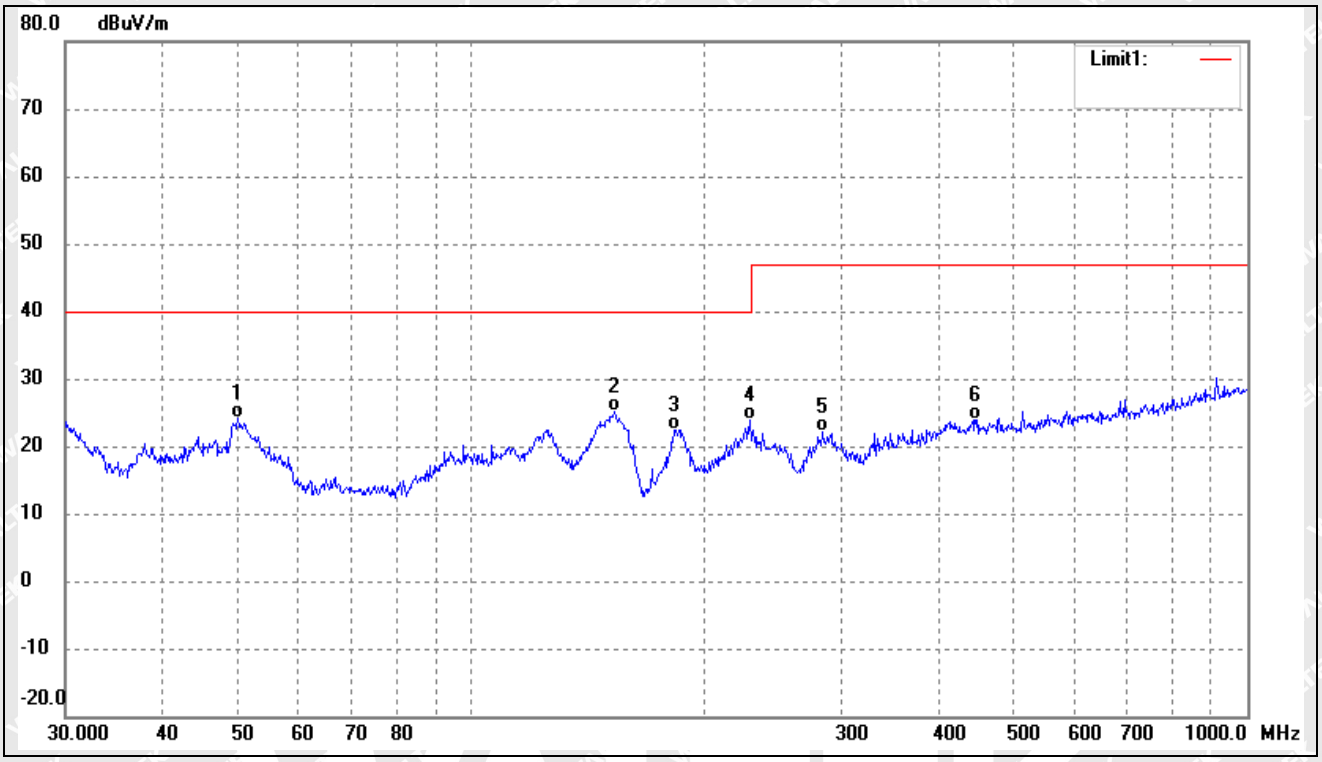
GTM96300-3624-T2

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	113.3163	36.92	-13.04	23.88	40.00	-16.12	115	100	QP
2	124.5690	38.54	-14.33	24.21	40.00	-15.79	177	100	QP
3	152.6641	43.39	-15.16	28.23	40.00	-11.77	117	100	QP
4	183.8440	38.95	-13.55	25.40	40.00	-14.60	98	100	QP
5	307.8313	35.33	-9.11	26.22	47.00	-20.78	321	100	QP
6	381.2487	31.60	-6.75	24.85	47.00	-22.15	343	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	50.0566	35.05	-10.90	24.15	40.00	-15.85	69	100	QP
2	153.2004	40.28	-15.14	25.14	40.00	-14.86	98	100	QP
3	182.5592	36.18	-13.71	22.47	40.00	-17.53	81	100	QP
4	228.4904	35.50	-11.55	23.95	40.00	-16.05	145	100	QP
5	283.9791	32.02	-9.83	22.19	47.00	-24.81	186	100	QP
6	446.4141	29.34	-5.40	23.94	47.00	-23.06	255	100	QP

5. Harmonic Current Emissions

5.1 Test Procedure

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

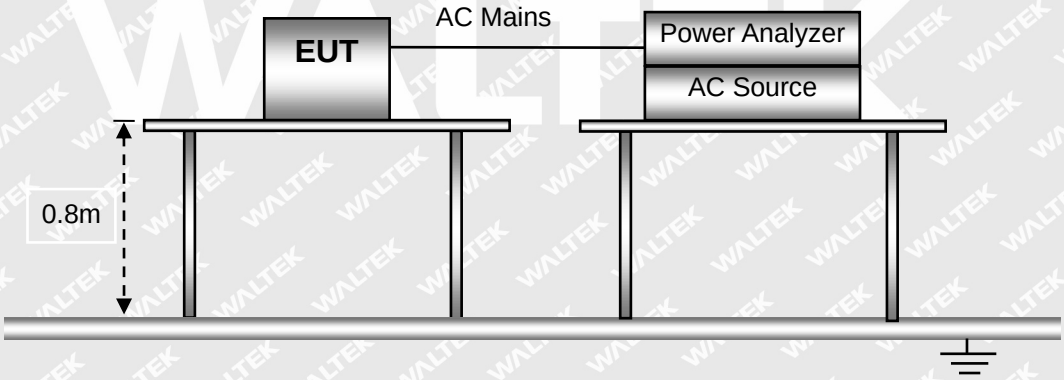
5.2 Test Standards

IEC 61000-3-2, Clause 7.1 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



5.4 Harmonic Current Emissions Test Data

According to Clause 7 of 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 conducted under the description of IEC 61000-3-3.

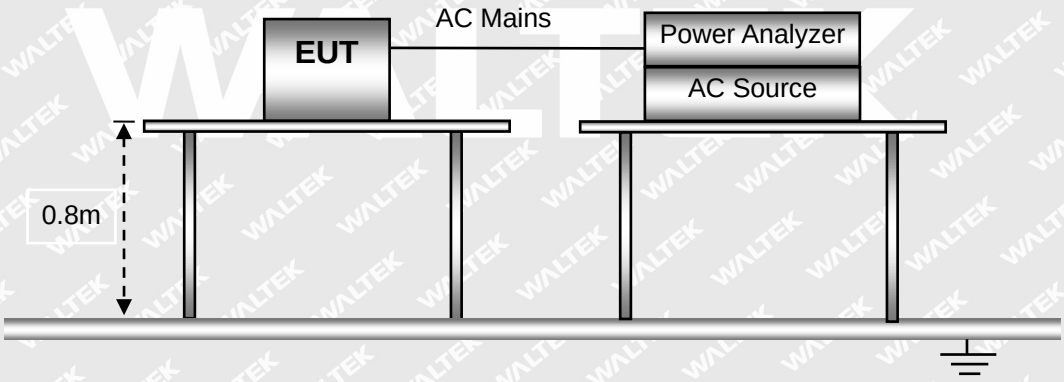
6.2 Test Standards

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

6.3 Environmental Conditions

Temperature:	22.5 °C
Relative Humidity:	52 %
ATM Pressure:	1013 mbar

6.4 Basic Test Setup Block Diagram



6.5 Voltage Fluctuation and Flicker Test Data

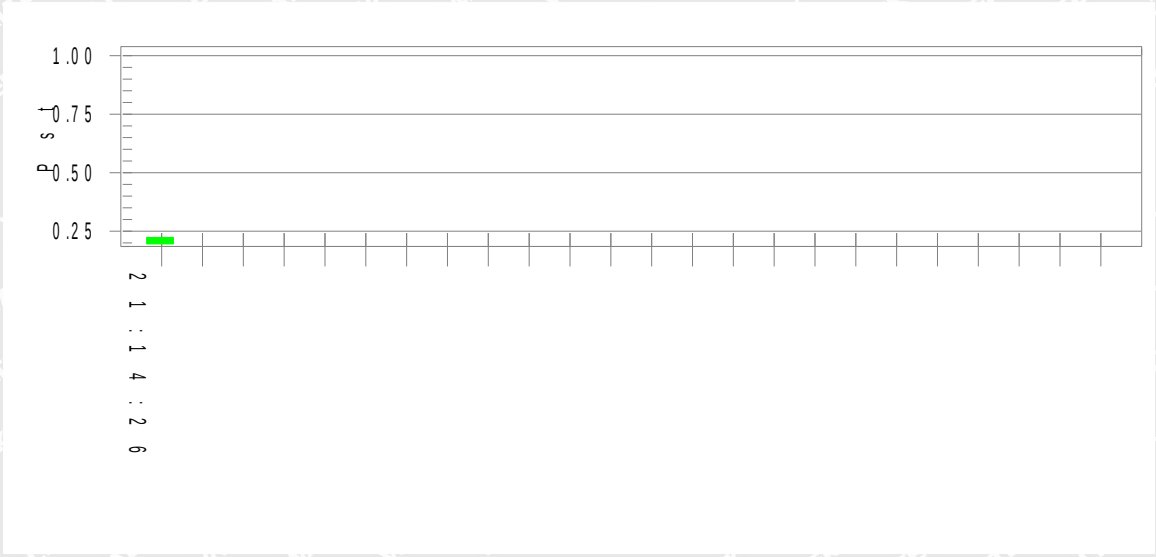
GTM96180-1811-2.0-T3

Test mode:	TM1

Flicker Test Summary per IEC61000-3-3:2013/AMD1:2017 (Run time)

Test Result: Pass **Status: Test Completed**

Pst_1 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**

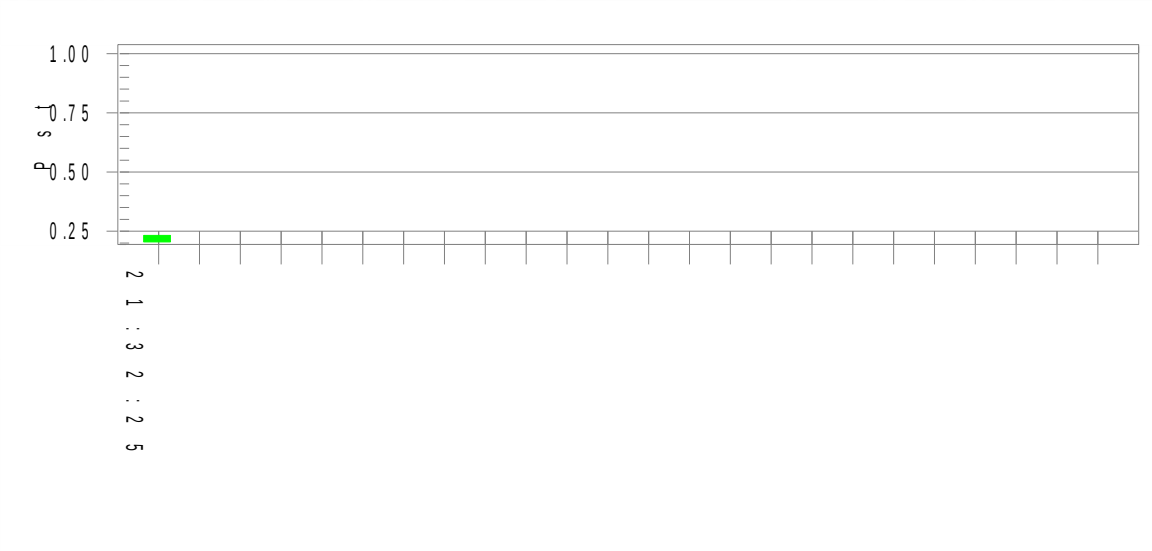
GTM91120-3024-T3A

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): 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):	**0.233**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.102**	**Test limit:**	**0.650**	**Pass**

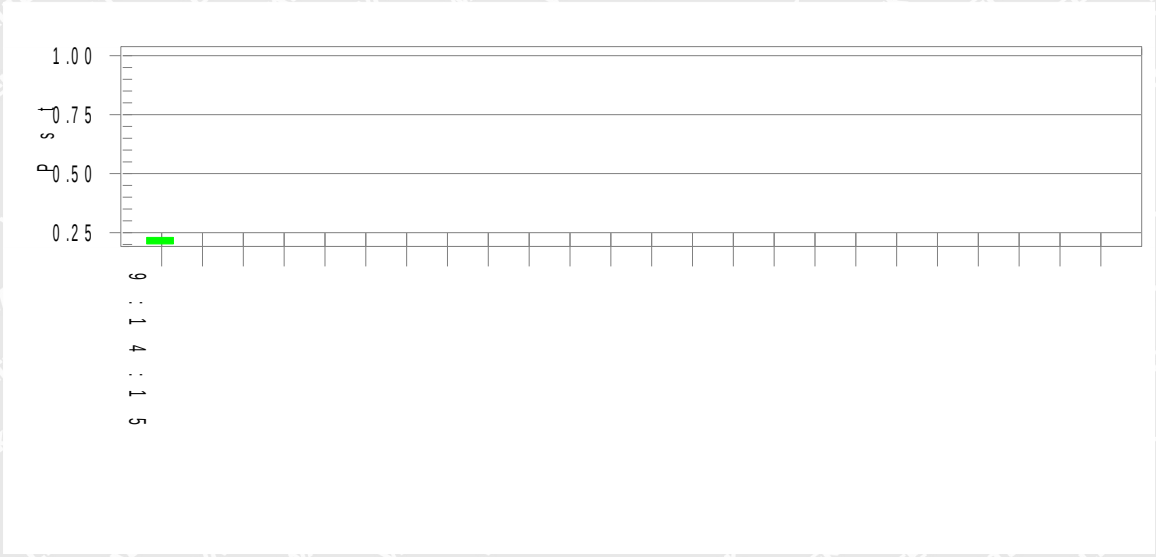
GTM96300-3624-T2

Test mode:	TM3

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):	**229.99**			
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):	**0.230**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.101**	**Test limit:**	**0.650**	**Pass**

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

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

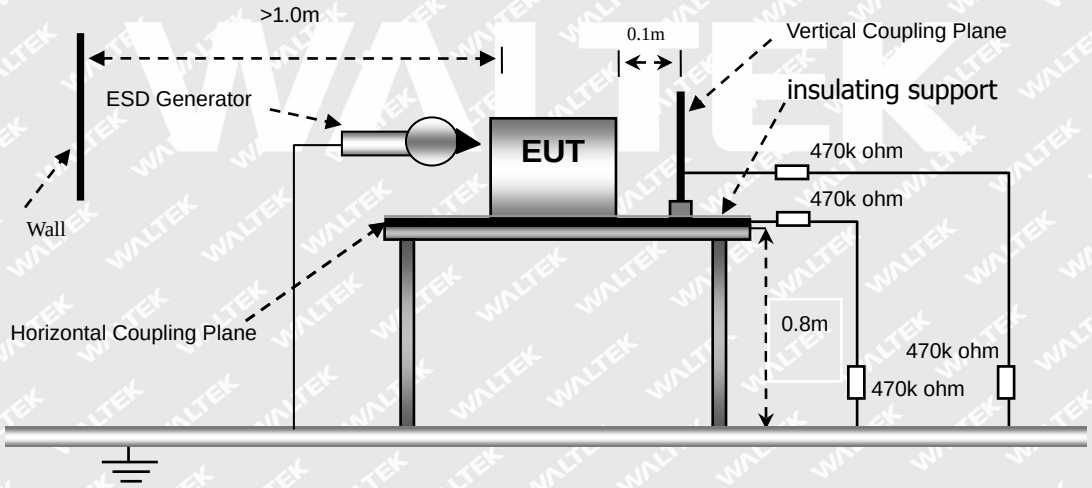
7.2 Test Performance

Performance Criterion: B

7.3 Environmental Conditions

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

7.4 Basic Test Setup Block Diagram



7.5 Electrostatic Discharge Immunity Test Data

TM1/ TM2/ TM3

Table 1: Electrostatic Discharge Immunity (Air Discharge)

IEC 61000-4-2	Test Voltage (kV)									
Test Points	-4	+4	-8	+8	-10	+10	-16	+16	-20	+20
Surface crack	A	A	A	A	A	A	B	B	B	B

Table 2: Electrostatic Discharge Immunity (Direct Contact)

IEC 61000-4-2	Test Voltage (kV)									
Test Points	-4	+4	-8	+8	-10	+10	-16	+16	-20	+20
/	/	/	/	/	/	/	/	/	/	/

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

IEC 61000-4-2	Test Voltage (kV)									
Test Points	-4	+4	-8	+8	-10	+10	-16	+16	-20	+20
HCP (6 Sides)	A	A	A	A	A	A	B	B	B	B
VCP (4 Sides)	A	A	A	A	A	A	B	B	B	B

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.

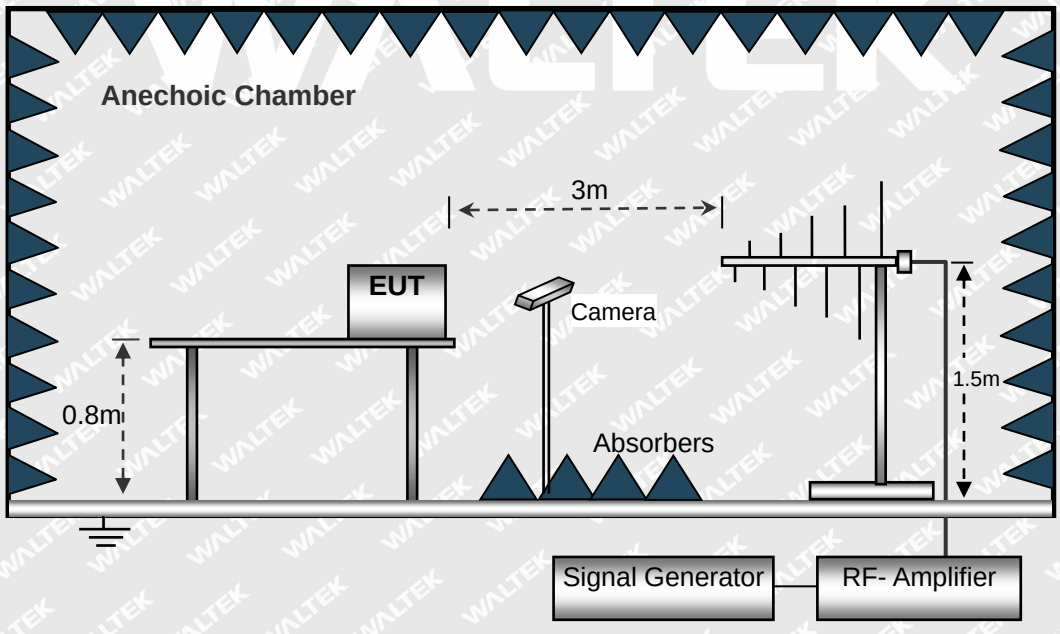
8.2 Test Performance

Performance Criterion: A

8.3 Environmental Conditions

Temperature:	23.0 °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

TM1/TM2/TM3

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.

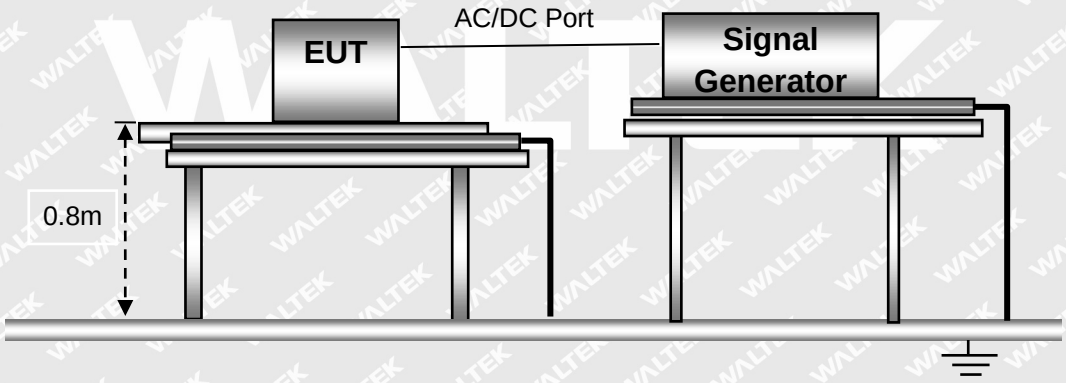
9.2 Test Performance

Performance Criterion: B

9.3 Environmental Conditions

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

9.4 Basic Test Setup Block Diagram



9.5 Electrical Fast Transients Test Data

Repetition frequency 100 kHz

TM1

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

TM2

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

TM3

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

Test Result: Pass

10. Surges

10.1 Test Procedure

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

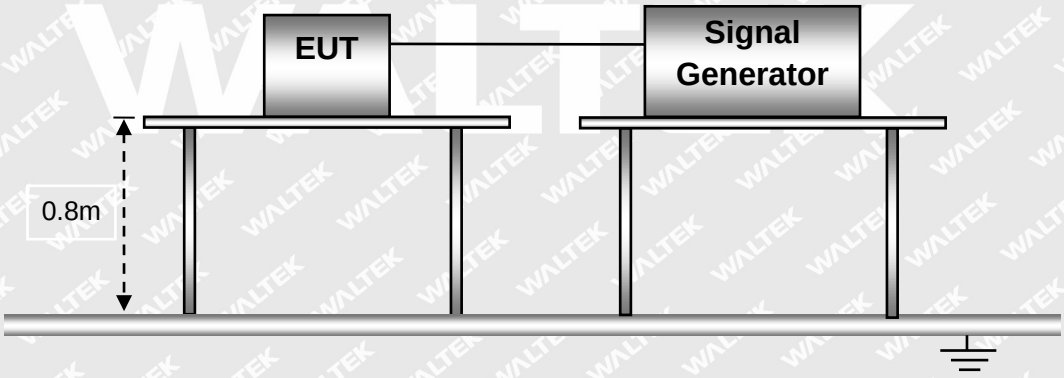
10.2 Test Performance

Performance Criterion: B

10.3 Environmental Conditions

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

10.4 Basic Test Setup Block Diagram



10.5 Surge Test Data

TM1

AC Port

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-N, L-PE, N-PE	A	/

TM2

AC Port

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-N, L-PE, N-PE	A	/

TM3

AC Port

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

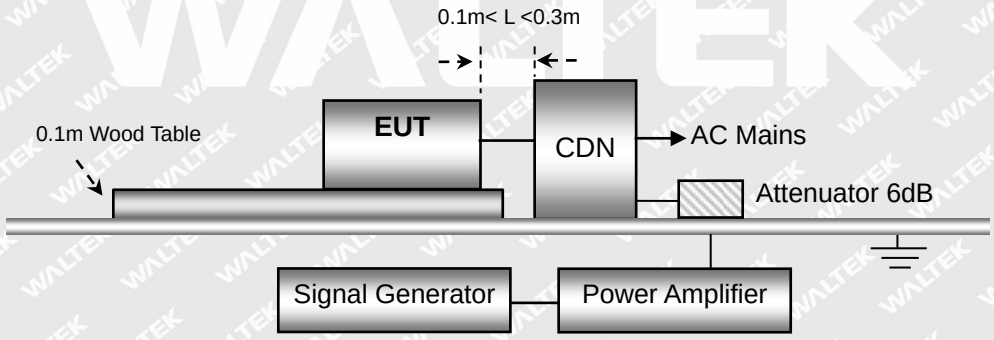
11.2 Test Performance

Performance Criterion: A

11.3 Environmental Conditions

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

TM1/TM2/TM3
AC Port

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

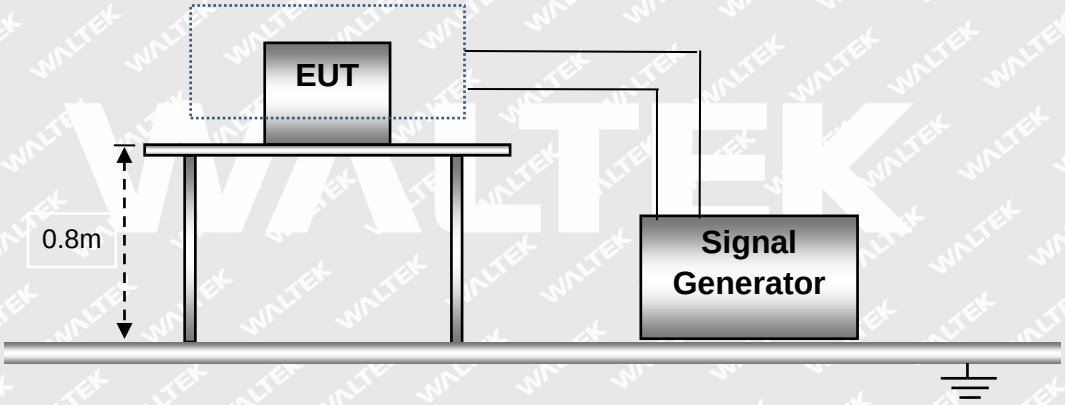
12.2 Test Performance

Performance Criterion: A

12.3 Environmental Conditions

Temperature:	23.0 °C
Relative Humidity:	52 %
ATM Pressure:	1013 mbar

12.4 Basic Test Setup Block Diagram



12.5 Power-Frequency Magnetic Field Test Data

TM1/TM2/TM3

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	A	/
3	10	50	X, Y, Z	A	/
X	30	50	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.

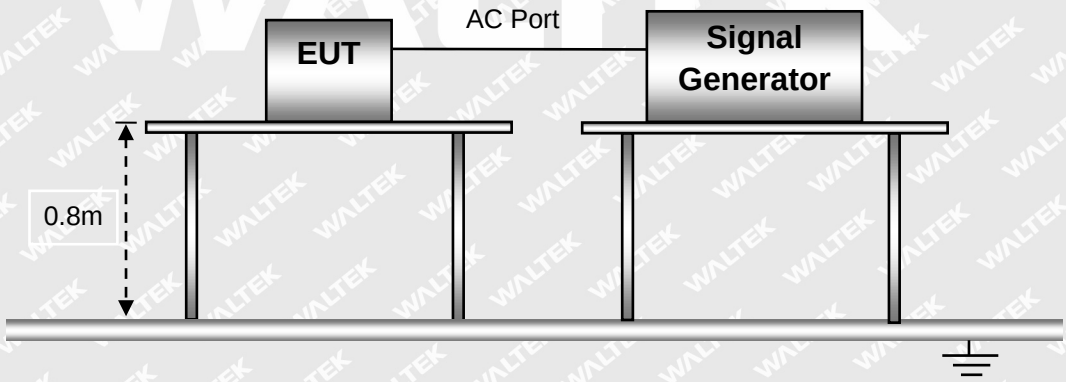
13.2 Test Performance

Performance Criterion: B/C

13.3 Environmental Conditions

Temperature:	22.5 °C
Relative Humidity:	51 %
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

TM1/TM2/TM3

Level	U	T	Phase Angle	N	Pass	Fail
1	100%	10ms	0 °/45 °/90 °/135 °/180 °;225 °/270 °/315 °	3	B	/
2	70%	500ms	0 °/45 °/90 °/135 °/180 °;225 °/270 °/315 °	3	B	/
3	100%	5000ms	0 °/45 °/90 °/135 °/180 °;225 °/270 °/315 °	3	B	/

Test Result: Pass

EXHIBIT 1 - PRODUCT LABELING

Proposed CE Label Format

Medical/ITE Power Supply
Model: GTM96180-1811-2.0-T3, GTM91120-3024-T3A, GTM96300-3624-T2
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 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

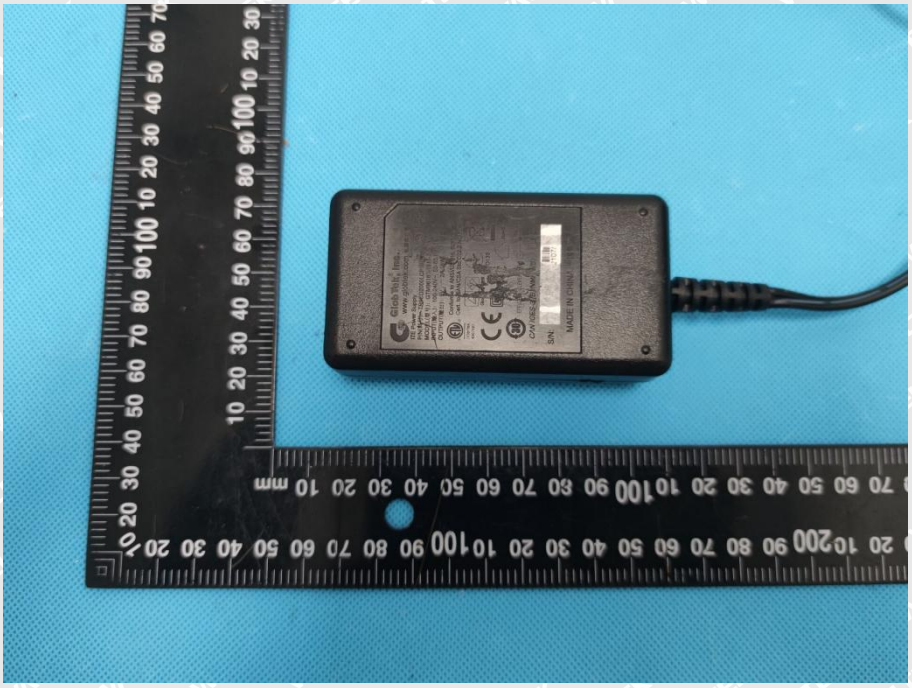
EXHIBIT 2 - EUT PHOTOGRAPHS

GTM96180-1811-2.0-T3

EUT View 1

EUT View 2

EUT View 3



EUT View 4

GTM91120-3024-T3A

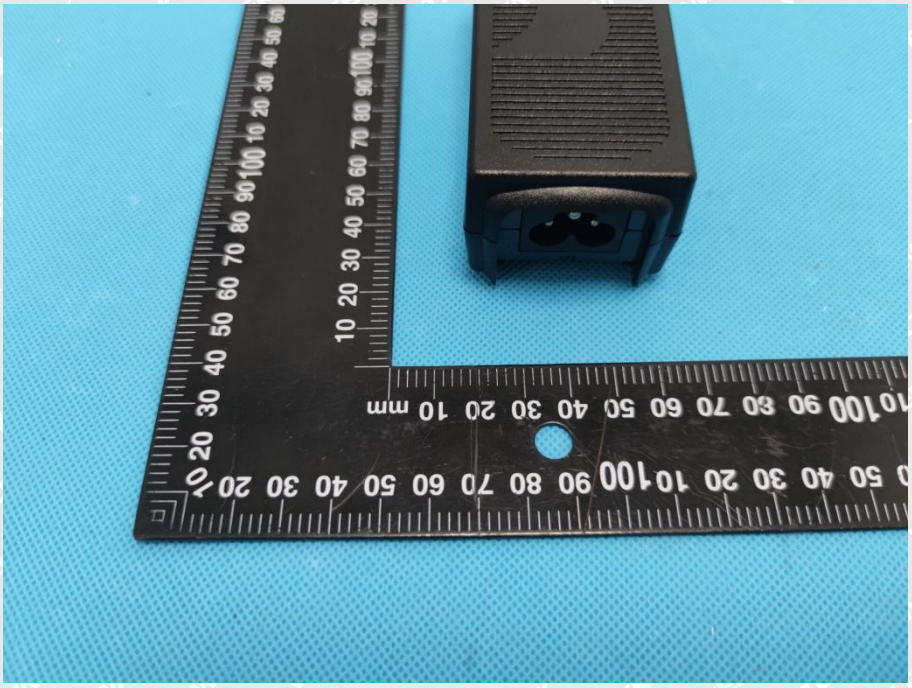
EUT View 1

EUT View 2

EUT View 3

EUT View 4

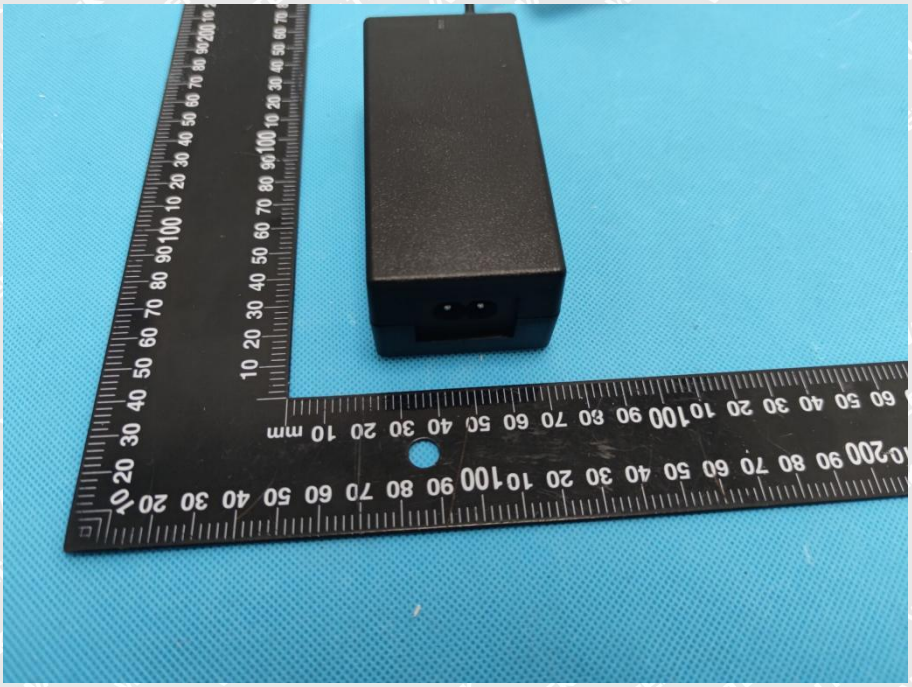
EUT View 5



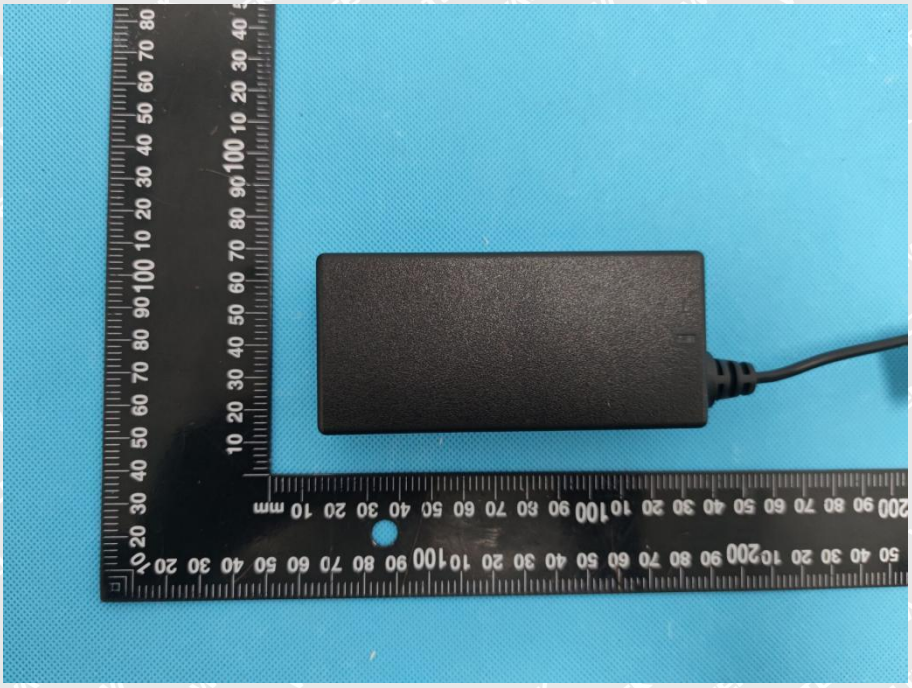
GTM96300-3624-T2

EUT View 1

EUT View 2

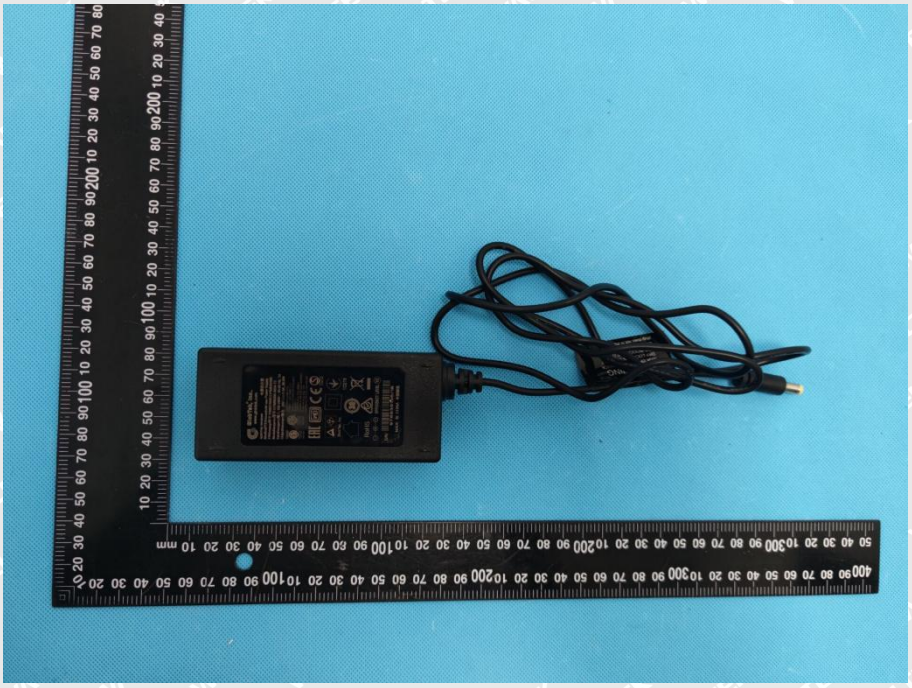


EUT View 3



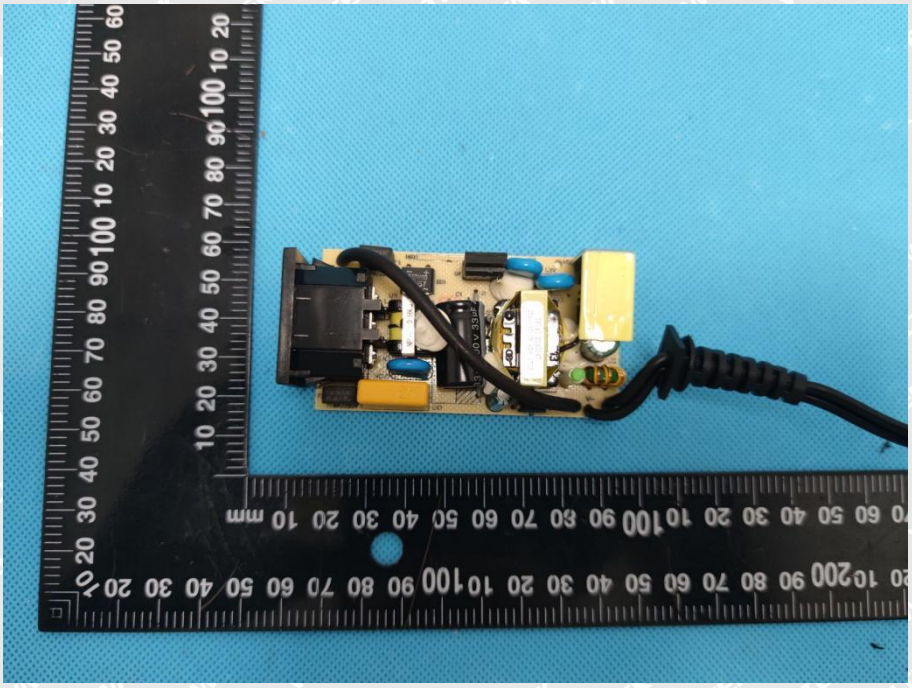
EUT View 4

EUT View 5

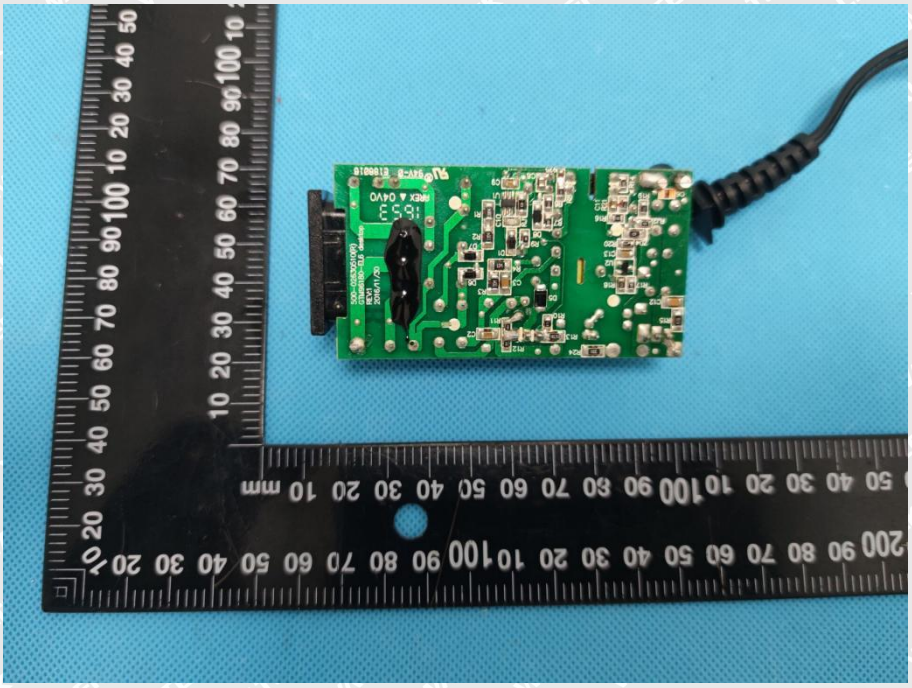


GTM96180-1811-2.0-T3

Solder Board-Component View 1

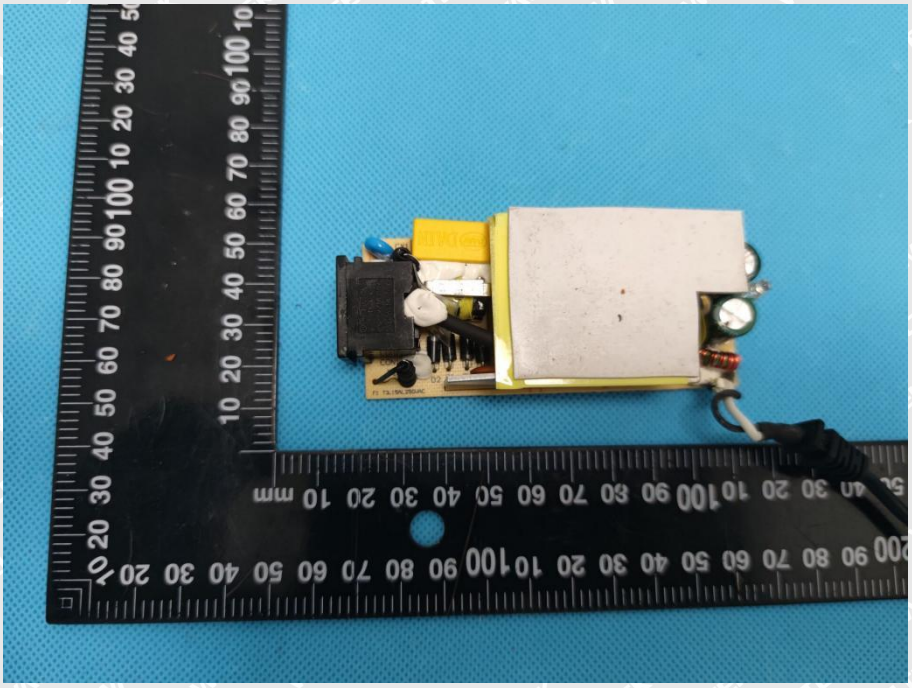


Solder Board-Component View 2

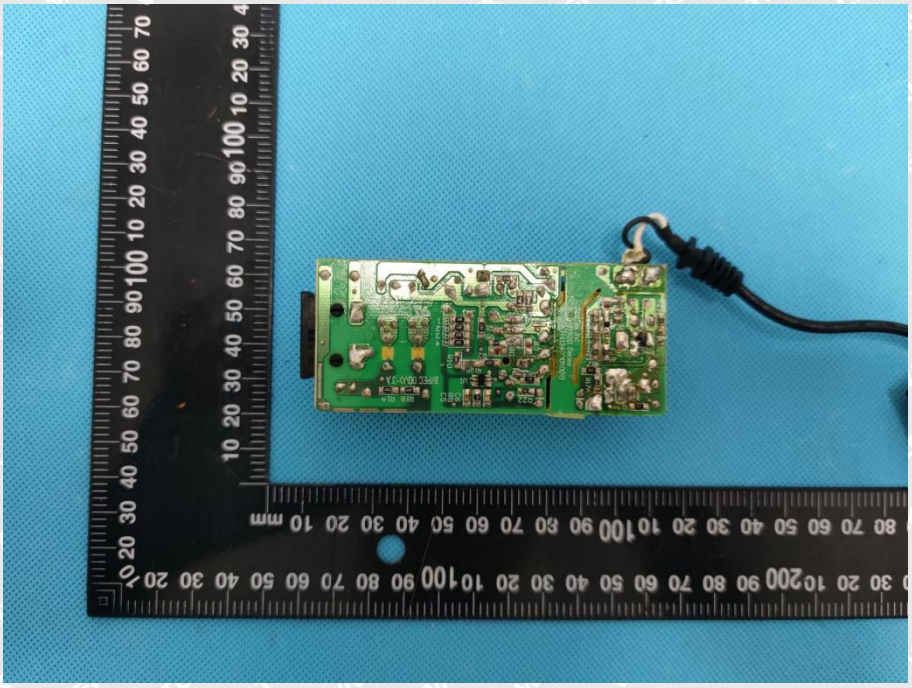


GTM91120-3024-T3A

Solder Board-Component View 1

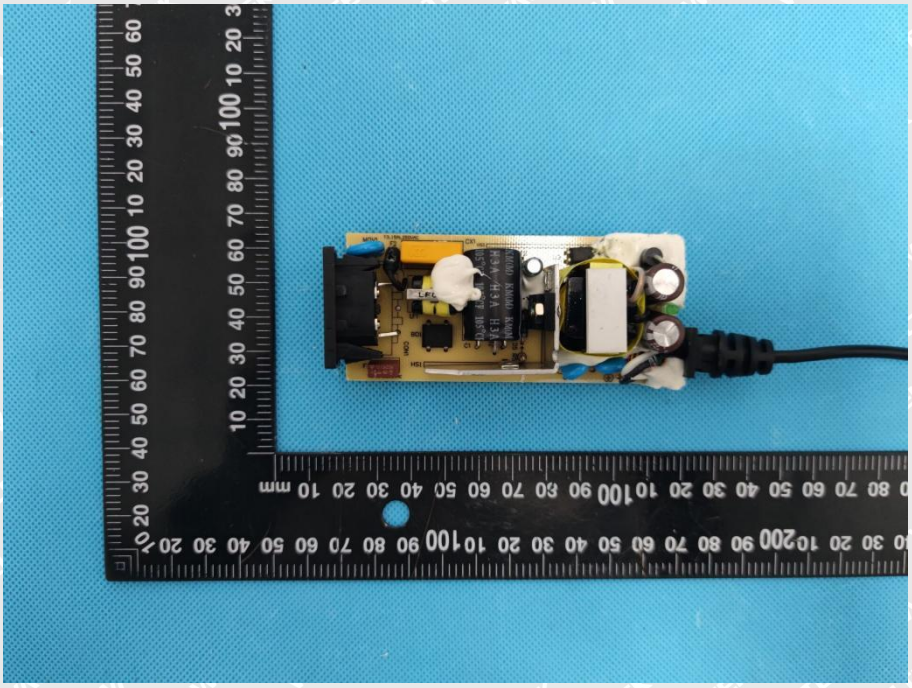


Solder Board-Component View 2



GTM96300-3624-T2

Solder Board-Component View 1



Solder Board-Component View 2

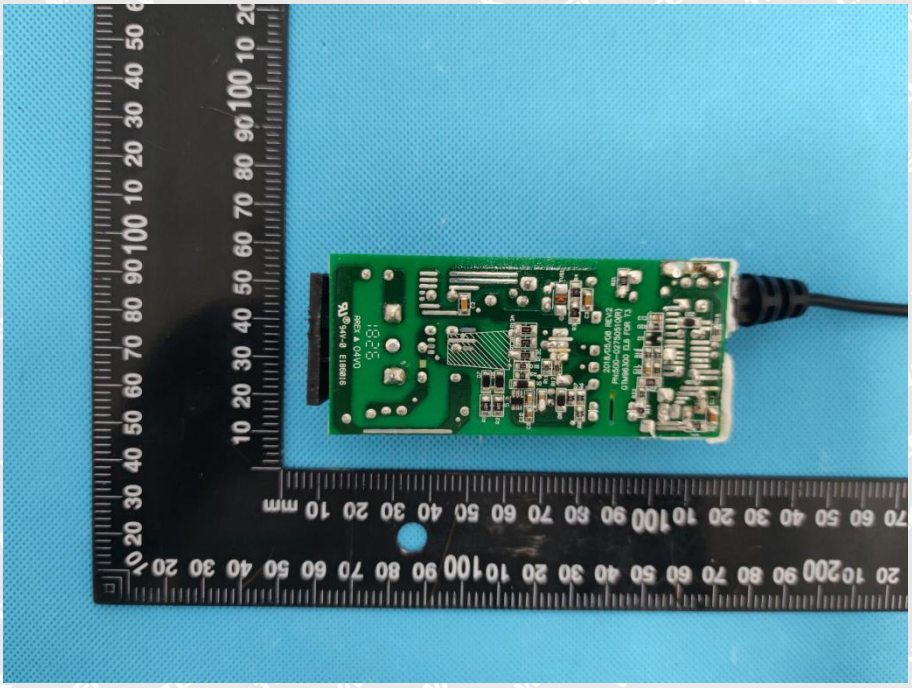
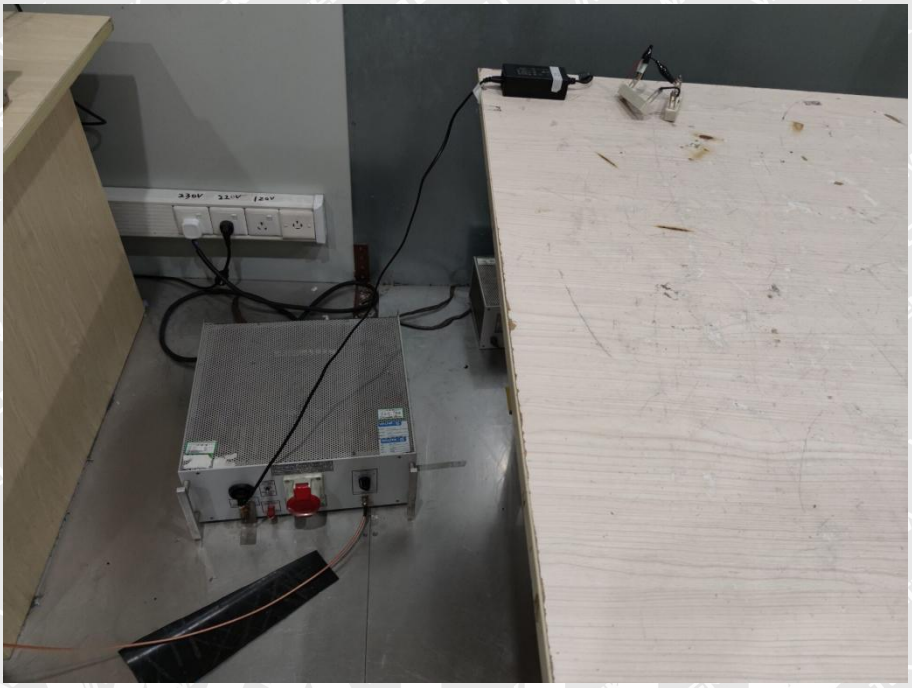
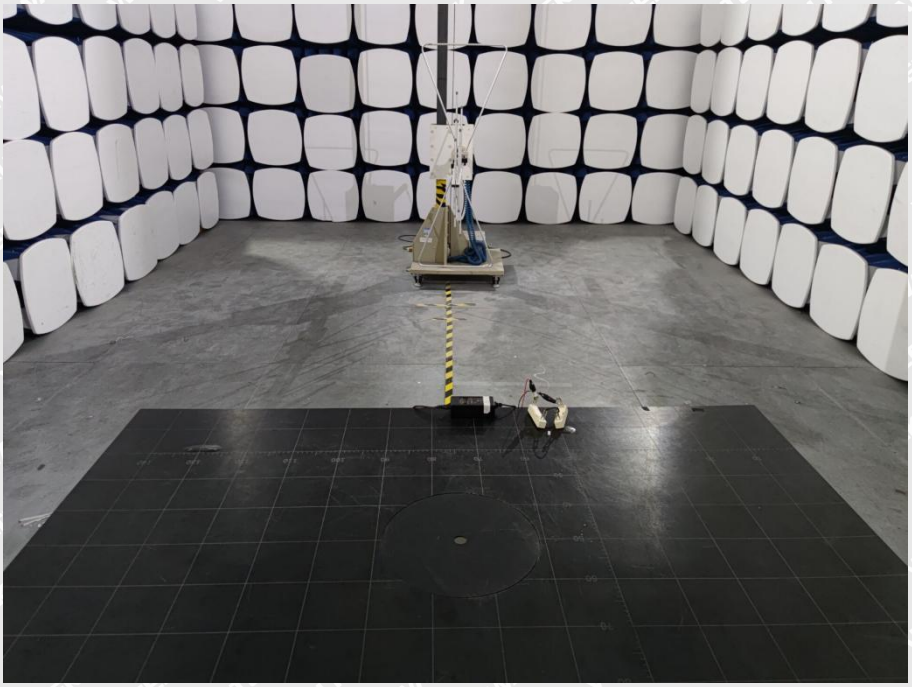


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conduction Emission Test View TM1

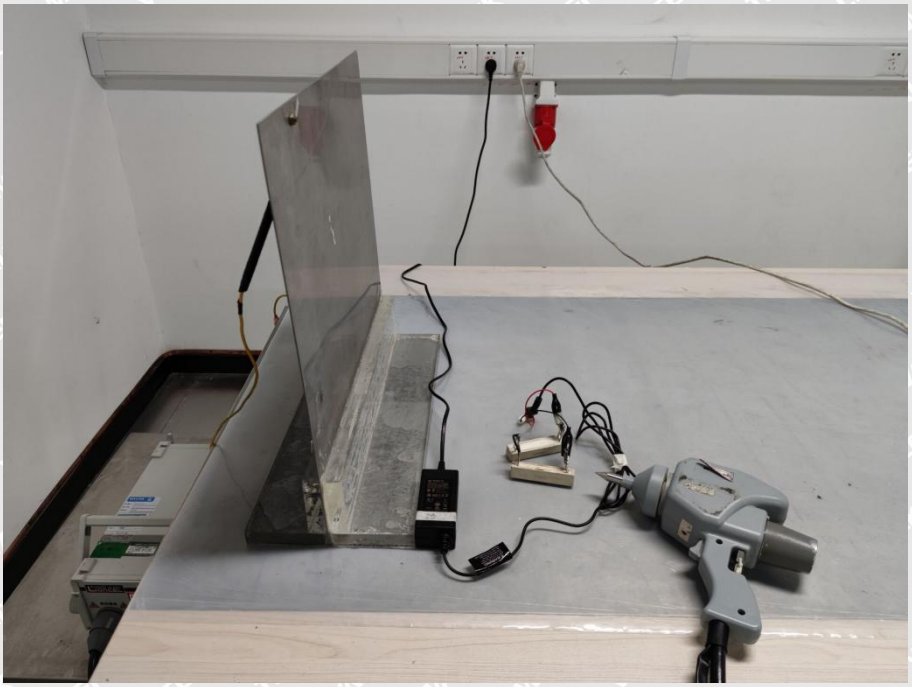


Radiation Emission Test View TM1

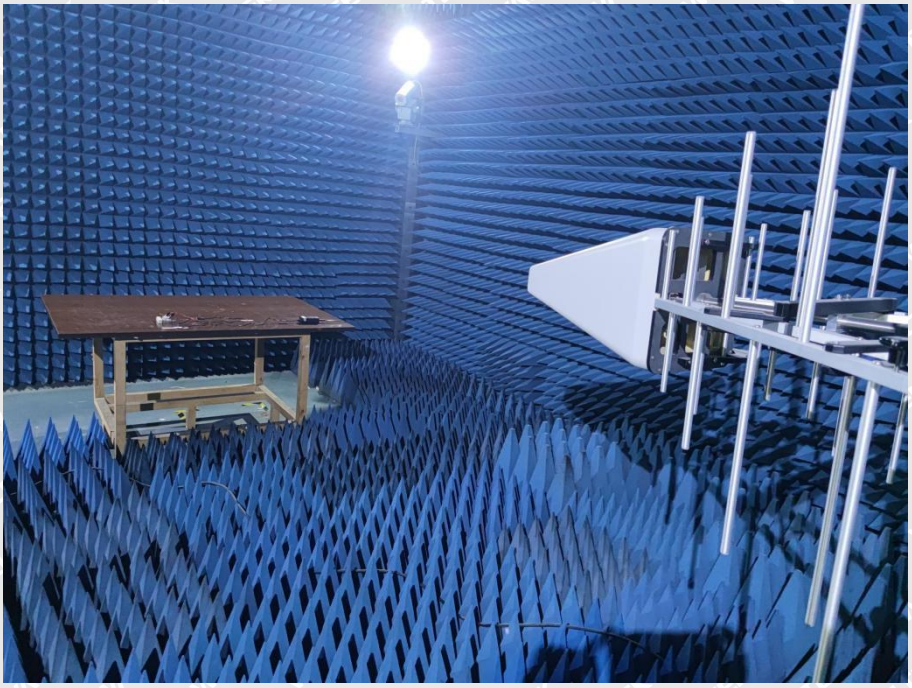


Harmonic/Flicker Test View TM1

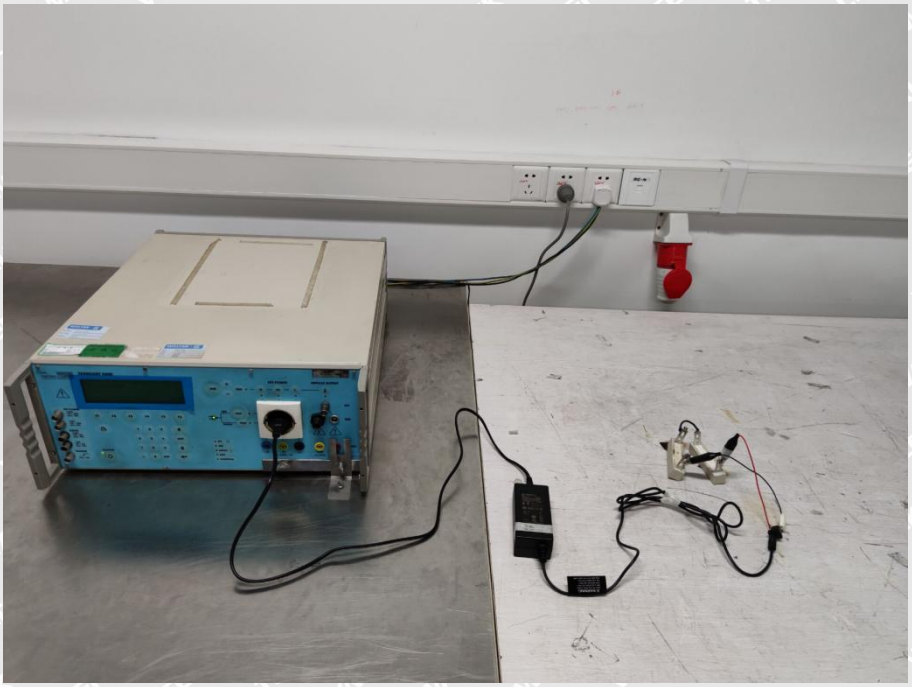
IEC 61000-4-2 Test View TM1



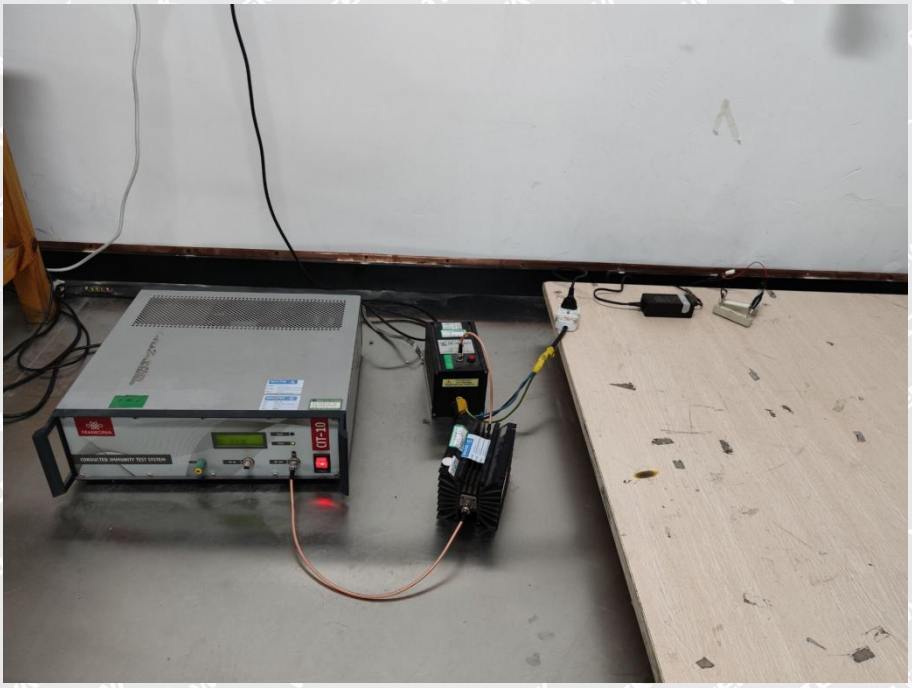
IEC 61000-4-3 Test View TM1



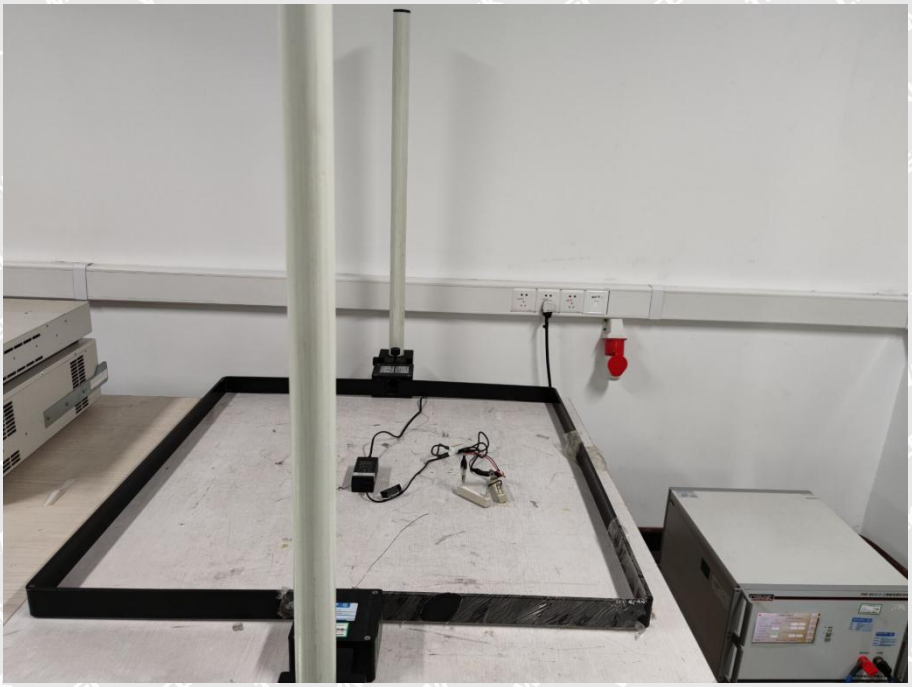
IEC 61000-4-4/5/11 Test View TM1



IEC 61000-4-6 Test View TM1

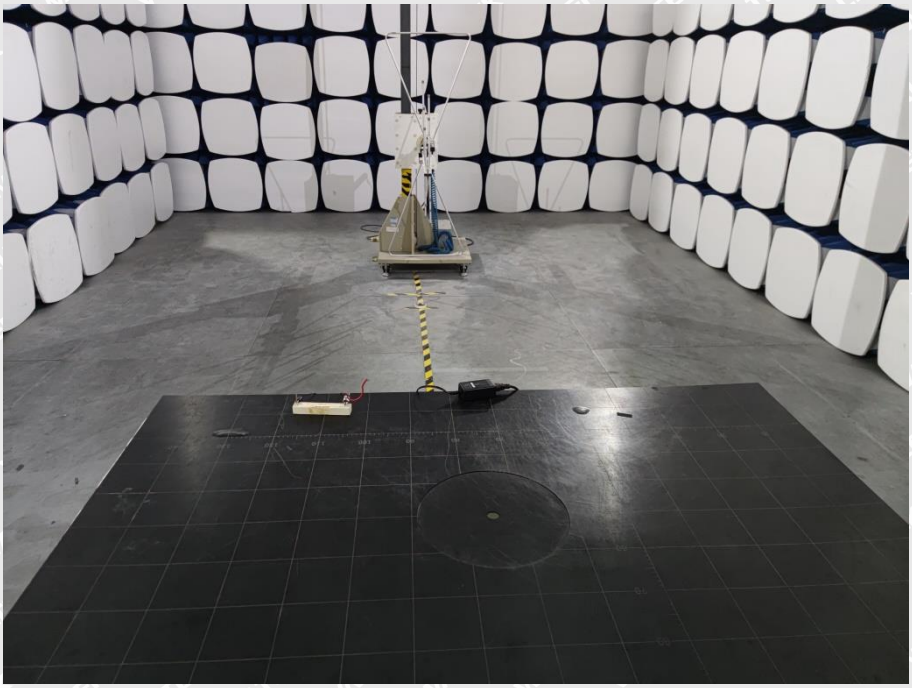


IEC 61000-4-8 Test View TM1

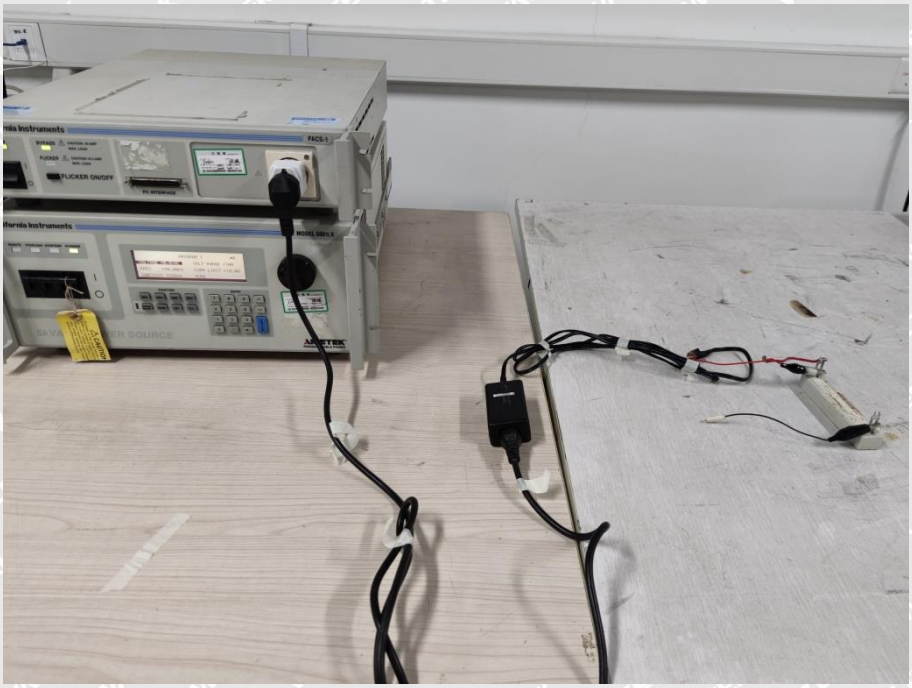


Conduction Emission Test View TM2

Radiation Emission Test View TM2

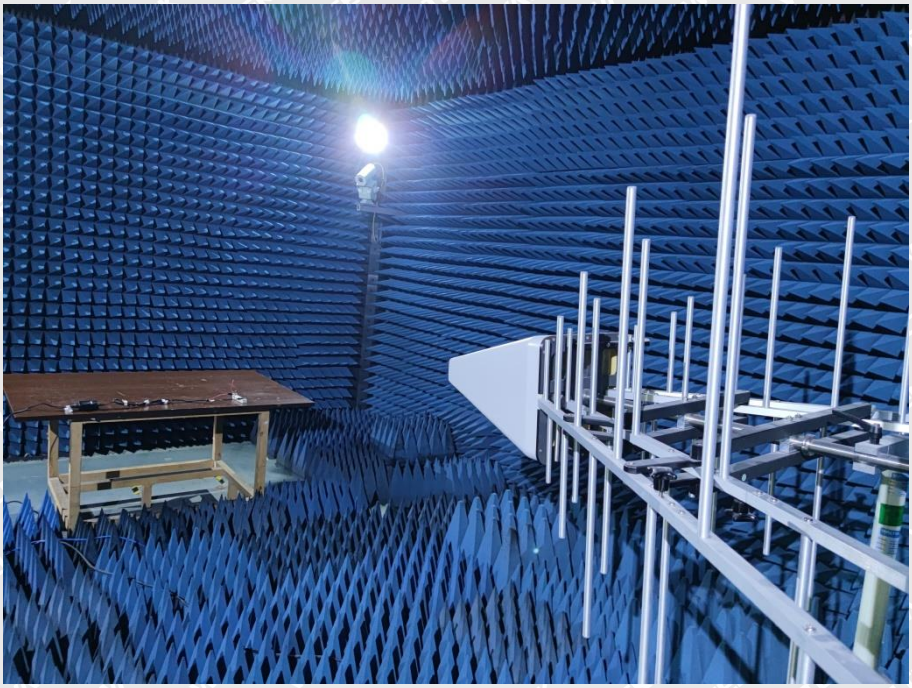


Harmonic/Flicker Test View TM2

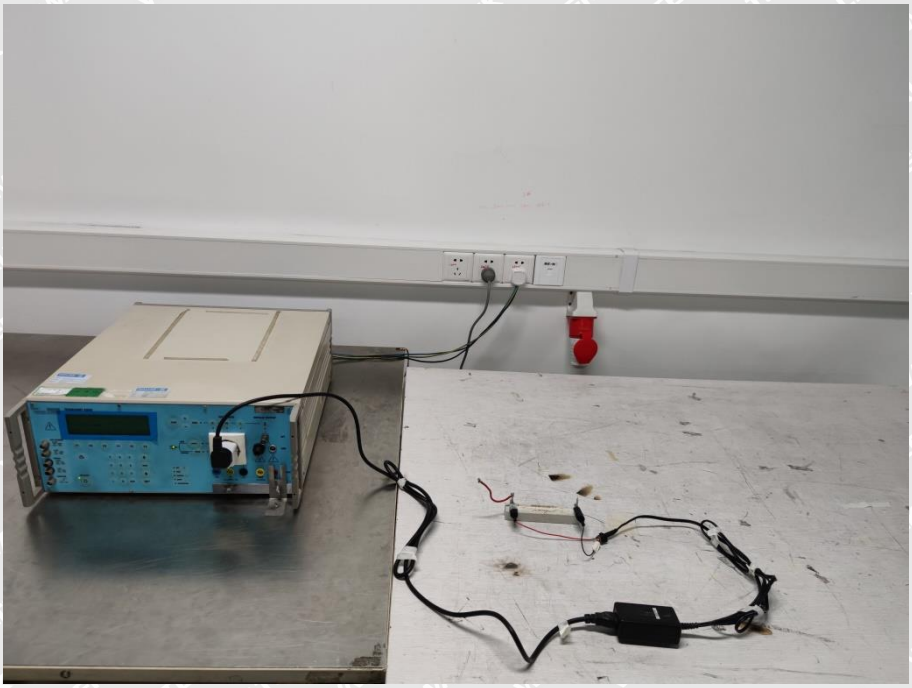


IEC 61000-4-2 Test View TM2

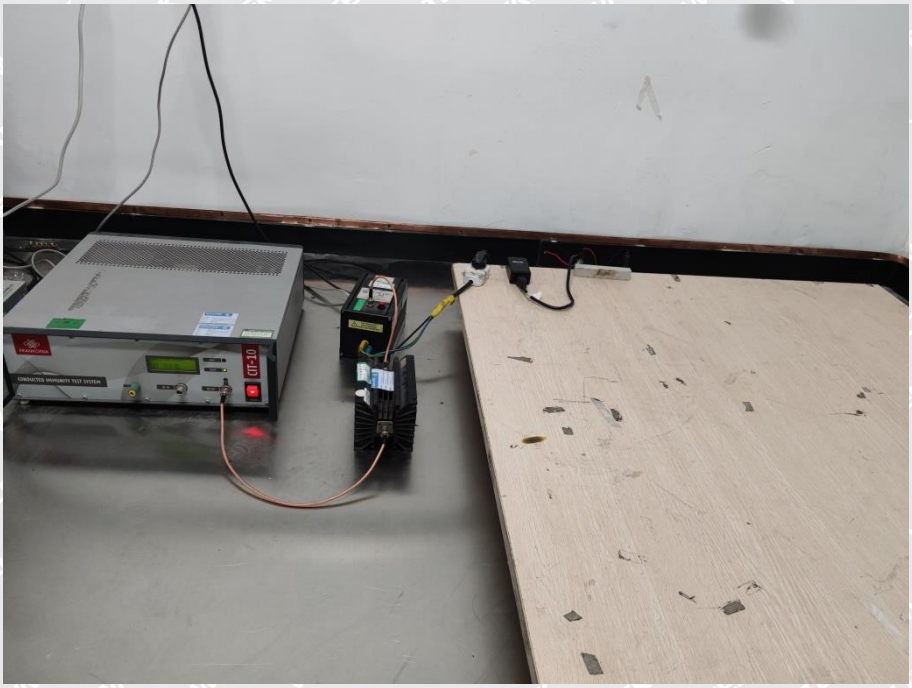
IEC 61000-4-3 Test View TM2



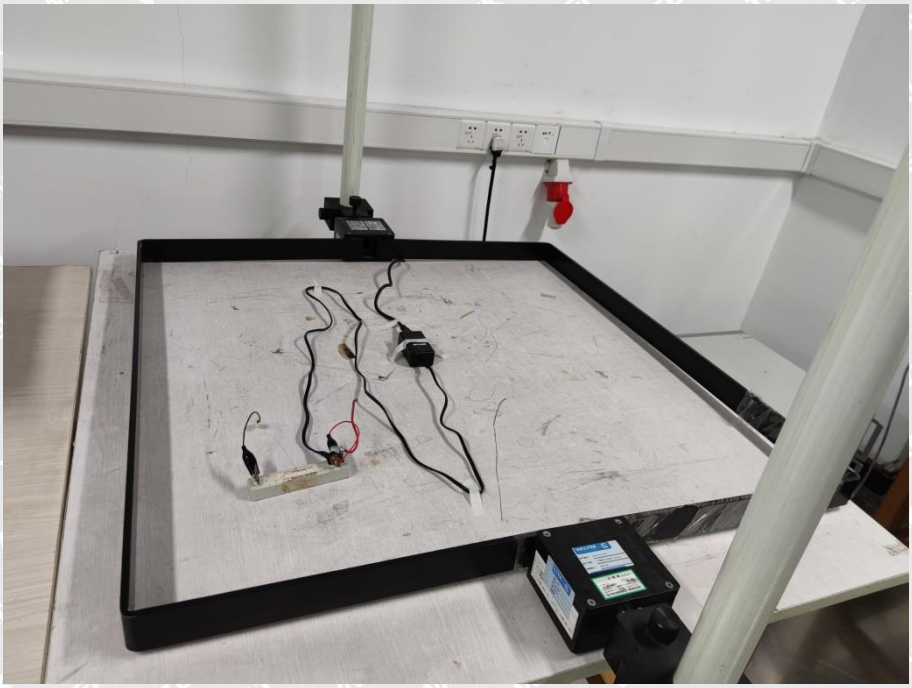
IEC 61000-4-4/5/11 Test View TM2



IEC 61000-4-6 Test View TM2



IEC 61000-4-8 Test View TM2



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