TEST REPORT

Reference No.	:	**WTX21X03019519E**
Applicant	:	**GlobTek, Inc.**
Address	:	**186 Veterans Dr. Northvale, NJ 07647 USA**
Product	:	**ITE/Medical Power Supply**
Test Model	:	**GTM96600-6012-T3**
Standards	:	**J55032 (H29)**
Date of Receipt sample	:	**Mar.15, 2021**
Date of Test	:	**Mar.15, 2021 to Mar.18, 2021**
Date of Issue	:	**Mar.18, 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:	ITE/Medical Power Supply
Trade Name:	GlobTek, Inc.
Model No.:	GTM96600-6012-T3
Adding Model(s):	GT*96600-**** 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 "60", with interval of 1. The 3th "*" denote the standard rated output voltage designation, which can be "05" to "12" or "5.0" to "12.0" in 0.1V increments. The 4th "*" =-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 =-T2L means desktop class II with C8 AC inlet and housing with a DC jack =-T2AL means desktop class II with C18 AC inlet and housing with a DC jack =-T3L means desktop class I or class II with functional earth with C14 AC inlet and housing with a DC jack =-T3AL means desktop class I or class II with functional earth with C6 AC inlet and housing with a

	DC jack =-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 last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.
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 GTM96600-6012-T3, but the circuit and the electronic construction do not change, declared by the manufacturer.	

Technical Characteristics of EUT	
Rated Voltage:	AC 100-240V 50-60Hz 1.5AMax
Rated Current:	/
Rated Power:	60W
Power Adaptor Model:	/

1.2 Test Standards

J55032(H29) Electromagnetic compatibility of multimedia equipment - Emission requirements

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

1.3 Test Methodology

All measurements contained in this report were conducted with the standards J55032 for electromagnetic compatibility of multimedia equipment, and all related testing and measurement techniques intertional standards.

1.4 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission. 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	output port is connected to the cement load(2.5R)	AC100V/50Hz

EUT Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Core
output cable	1.24	Shielded	Without	With

Special Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Core
AC cable	1.07	Unshielded	Without	Without

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Cement load	/	2.5R	/

1.5 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
Spectrum Analyzer	Agilent	E4407B	MY41440400	2019-04-30	2020-04-29
Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2019-04-30	2020-04-29
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2019-04-30	2020-04-29
Amplifier	Agilent	8447F	3113A06717	2019-04-30	2020-04-29
Amplifier	C&D	PAP-1G18	2002	2019-04-30	2020-04-29
Broadband Antenna	Schwarz beck	VULB9163	9163-333	2019-05-05	2021-05-04
Horn Antenna	ETS	3117	00086197	2019-05-05	2021-05-04
Loop Antenna	EVERFINE	LLA-2	711001	2019-04-30	2020-04-29
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2019-04-30	2020-04-29
L.I.S.N	Schwarz beck	NSLK8126	8126-224	2019-04-30	2020-04-29
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2019-04-30	2020-04-29
VDH Test Head	AFJ	VDH 30	SC022Z	2019-04-30	2020-04-29

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
J55032	Conducted Emission	Compliant
	Radiated Emission	Compliant

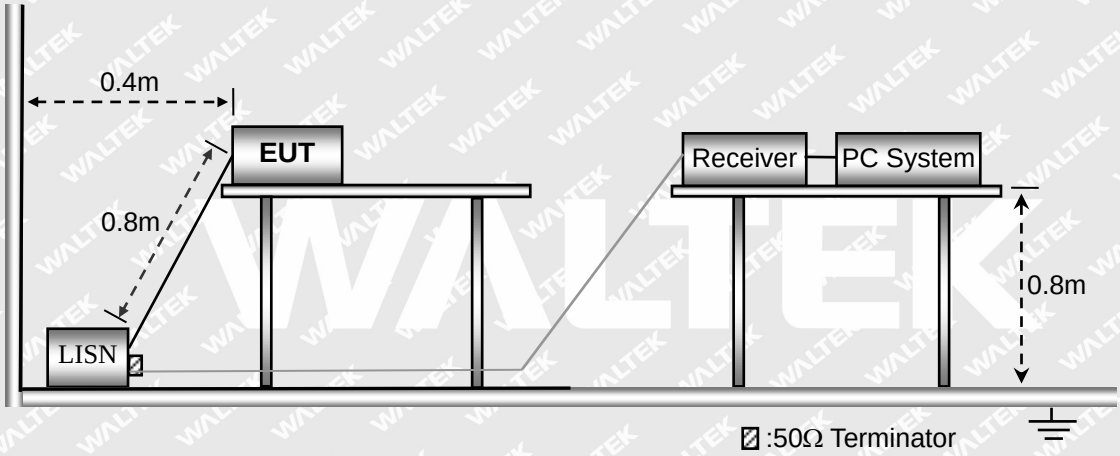
3. Disturbance Voltages

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



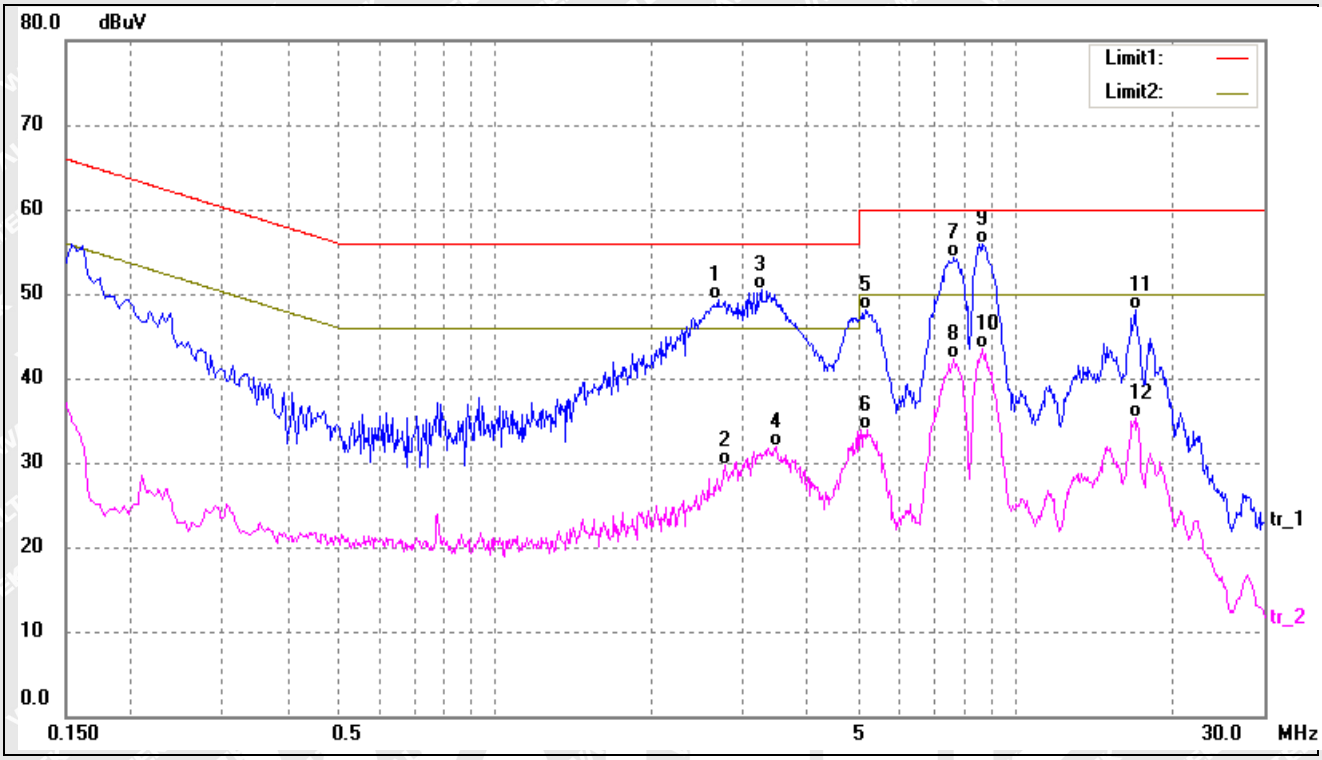
3.3 Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	55 %
ATM Pressure:	1015 mbar

3.4 Summary of Test Results

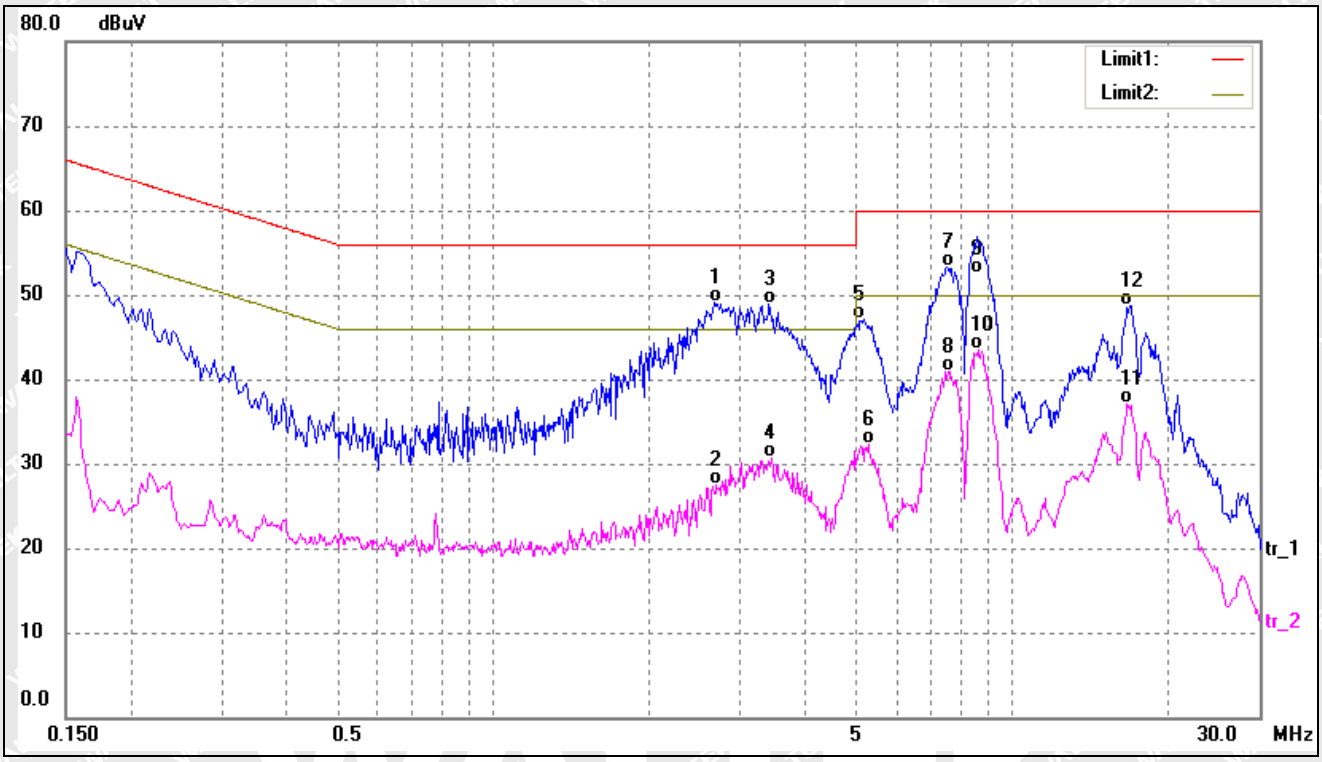
Look at the graphs and data below：

Test mode:	TM1	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2.6900	39.08	10.28	49.36	56.00	-6.64	QP
2	2.7700	19.33	10.28	29.61	46.00	-16.39	AVG
3	3.2420	40.20	10.26	50.46	56.00	-5.54	QP
4	3.4860	21.57	10.25	31.82	46.00	-14.18	AVG
5	5.1660	37.86	10.22	48.08	60.00	-11.92	QP
6	5.1900	23.74	10.22	33.96	50.00	-16.04	AVG
7	7.6380	44.06	10.26	54.32	60.00	-5.68	QP
8	7.6380	31.97	10.26	42.23	50.00	-7.77	AVG
9*	8.5300	45.67	10.27	55.94	60.00	-4.06	QP
10	8.6700	33.30	10.27	43.57	50.00	-6.43	AVG
11	16.9380	37.42	10.59	48.01	60.00	-11.99	QP
12	16.9380	24.71	10.59	35.30	50.00	-14.70	AVG

Test mode:	TM1	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2.6700	38.76	10.28	49.04	56.00	-6.96	QP
2	2.7020	17.27	10.28	27.55	46.00	-18.45	AVG
3	3.4060	38.69	10.26	48.95	56.00	-7.05	QP
4	3.4500	20.37	10.25	30.62	46.00	-15.38	AVG
5	5.1740	36.80	10.22	47.02	60.00	-12.98	QP
6	5.3020	21.99	10.22	32.21	50.00	-17.79	AVG
7	7.5060	43.08	10.26	53.34	60.00	-6.66	QP
8	7.6020	30.72	10.26	40.98	50.00	-9.02	AVG
9	8.5820	42.21	10.27	52.48	60.00	-7.52	QP
10*	8.6020	33.18	10.27	43.45	50.00	-6.55	AVG
11	16.6980	26.43	10.59	37.02	50.00	-12.98	AVG
12	16.8700	38.19	10.59	48.78	60.00	-11.22	QP

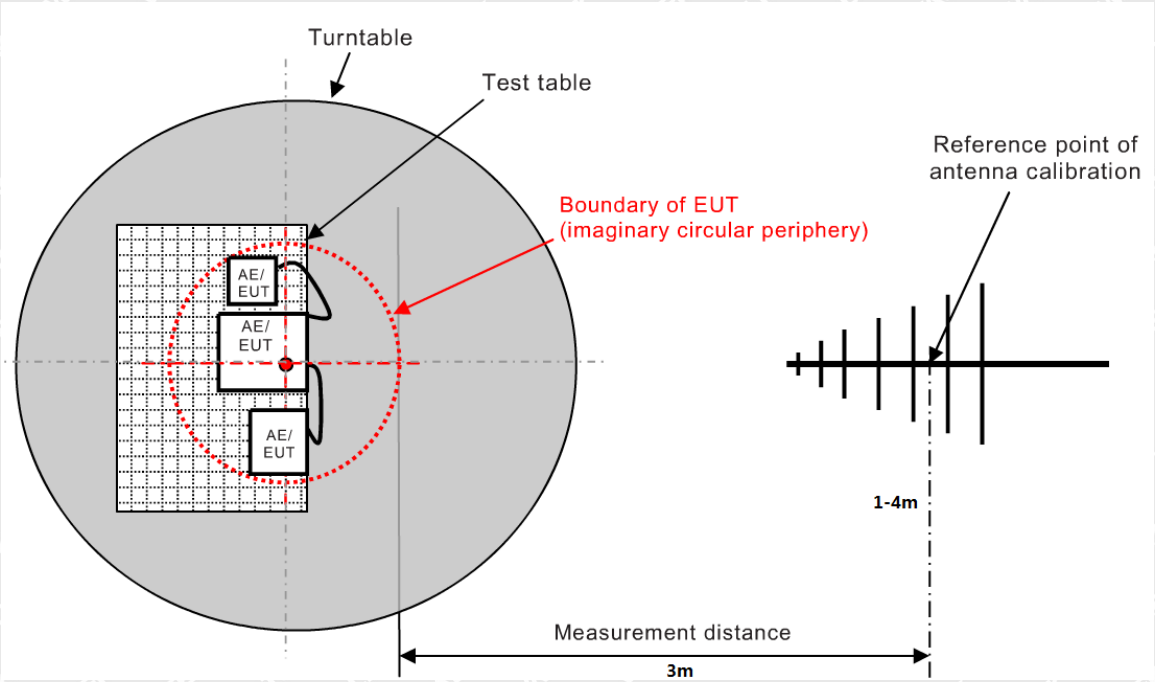
4. Radiated Emission

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

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 a lighting device. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – J55032 Limit

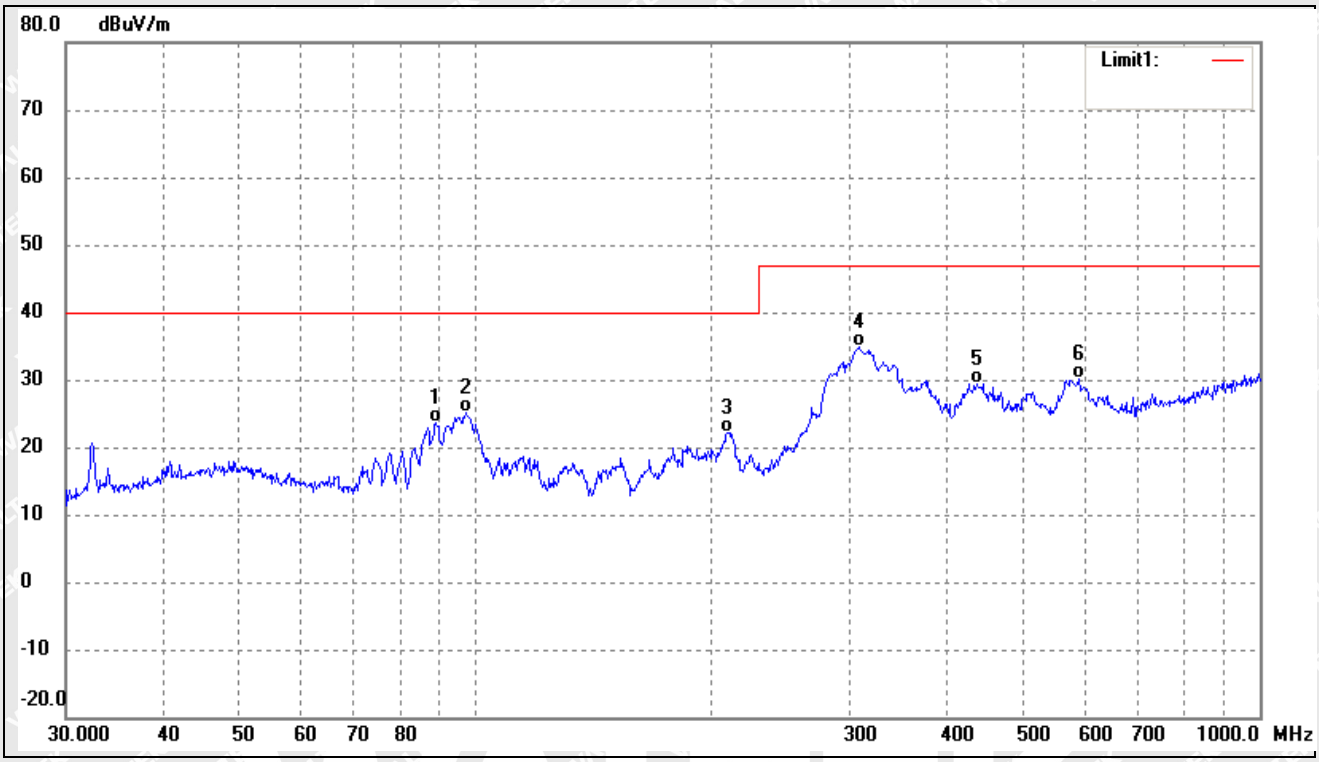
4.4 Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	55 %
ATM Pressure:	1011 mbar

4.5 Summary of Test Results

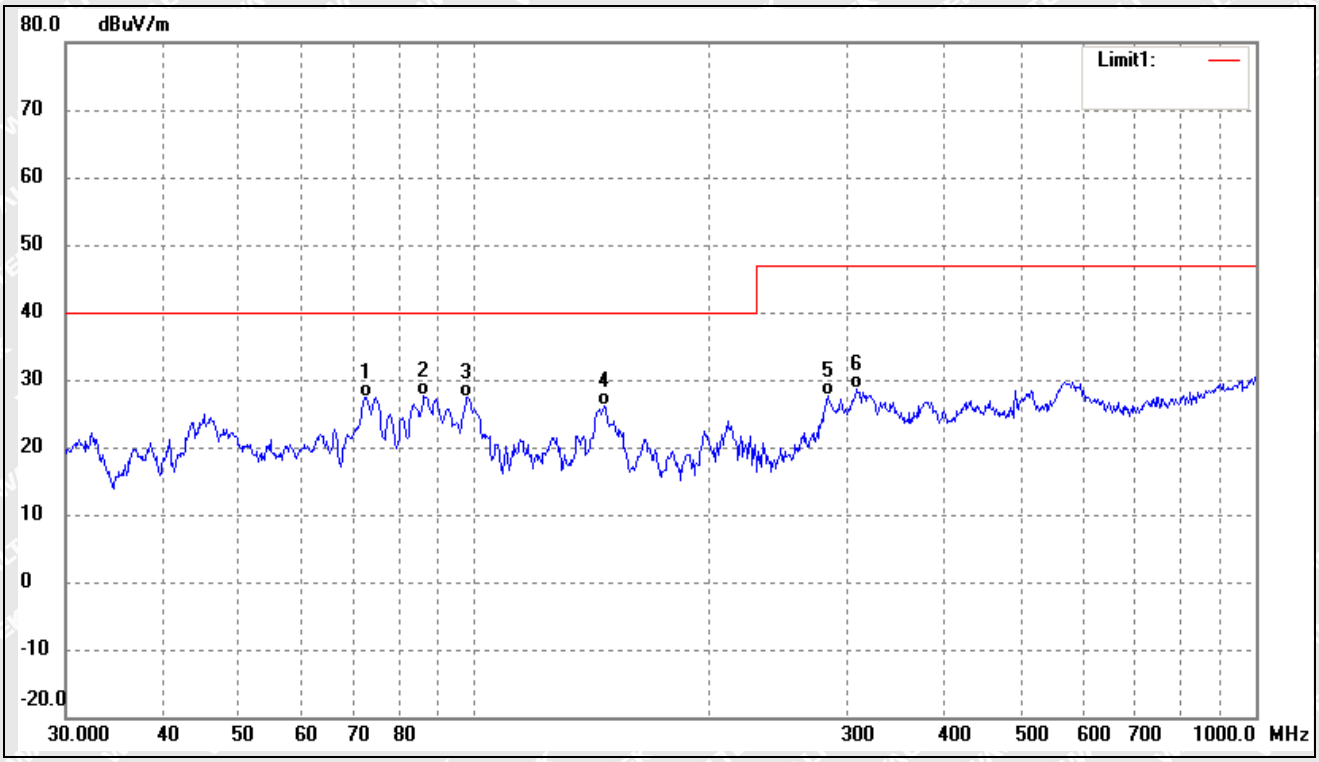
Look at the graphs and data below：

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	88.9639	38.23	-14.53	23.70	40.00	-16.30	251	100	QP
2	97.1148	38.02	-12.96	25.06	40.00	-14.94	283	100	QP
3	209.3129	33.32	-11.11	22.21	40.00	-17.79	65	100	QP
4	307.8313	42.23	-7.28	34.95	47.00	-12.05	115	100	QP
5	435.5898	33.75	-4.40	29.35	47.00	-17.65	184	100	QP
6	588.9051	32.54	-2.40	30.14	47.00	-16.86	255	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	72.5916	41.50	-14.00	27.50	40.00	-12.50	88	100	QP
2	86.2001	41.98	-14.44	27.54	40.00	-12.46	166	100	QP
3	97.7983	40.17	-12.83	27.34	40.00	-12.66	88	100	QP
4	146.8877	40.79	-14.73	26.06	40.00	-13.94	266	100	QP
5	282.9852	35.92	-8.23	27.69	47.00	-19.31	143	100	QP
6	308.9126	35.90	-7.29	28.61	47.00	-18.39	349	100	QP

EXHIBIT 1 - EUT PHOTOGRAPHS

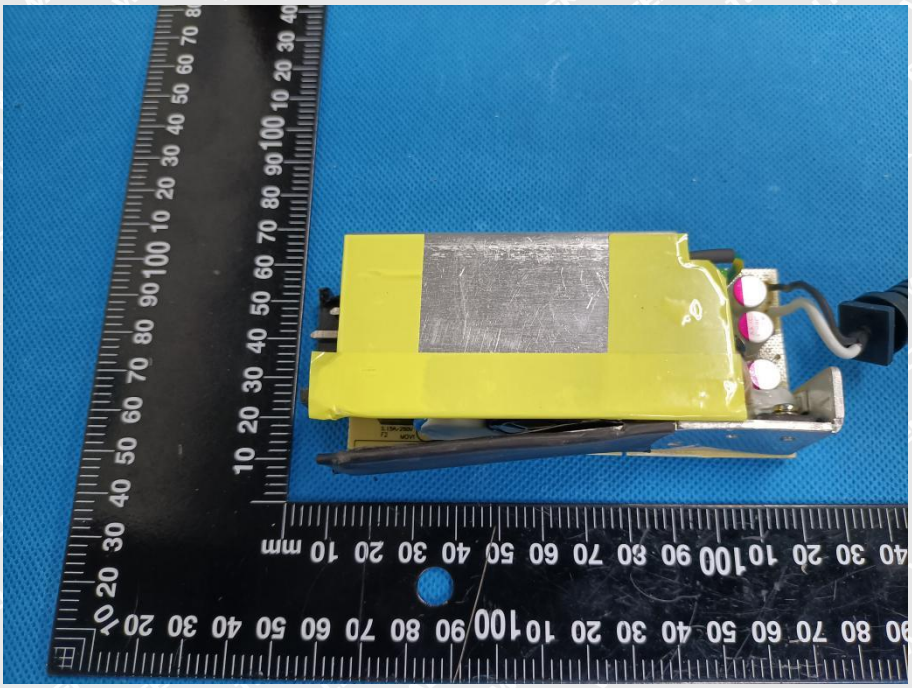
EUT View 1

EUT View 2

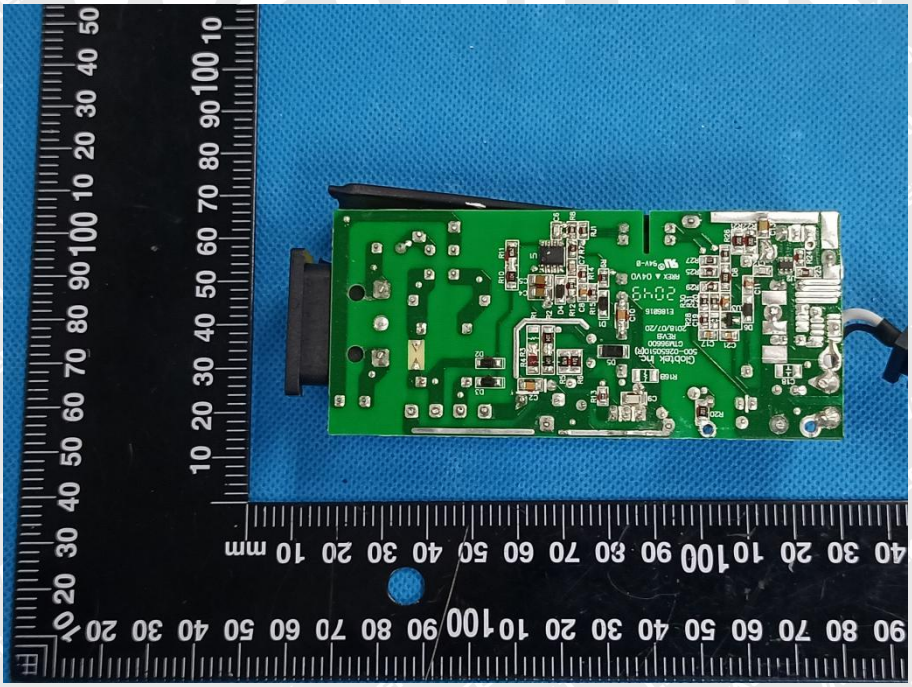
EUT View 3

EUT View 4

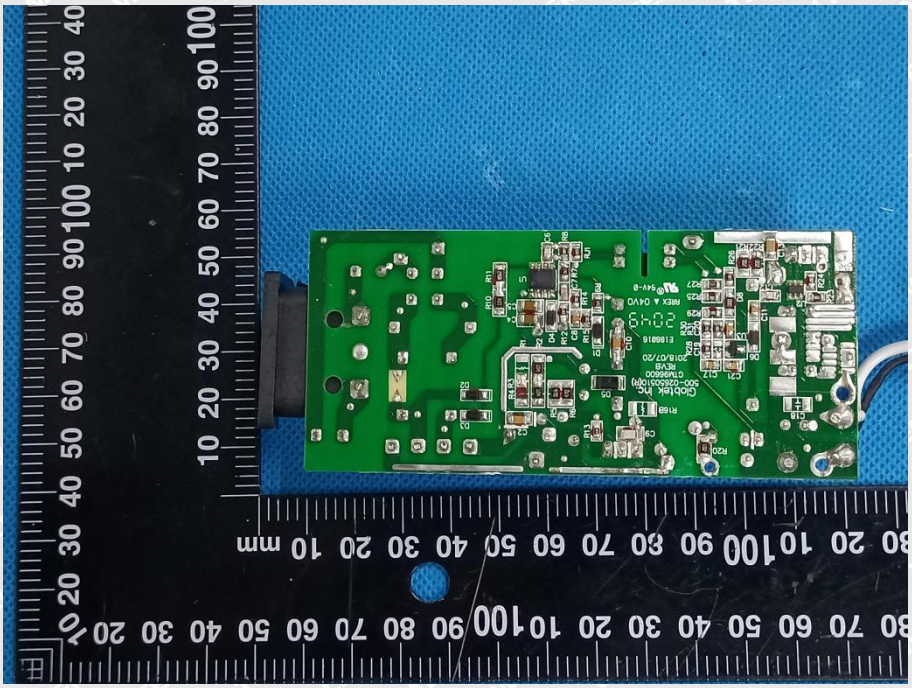
EUT Housing and Board View 1



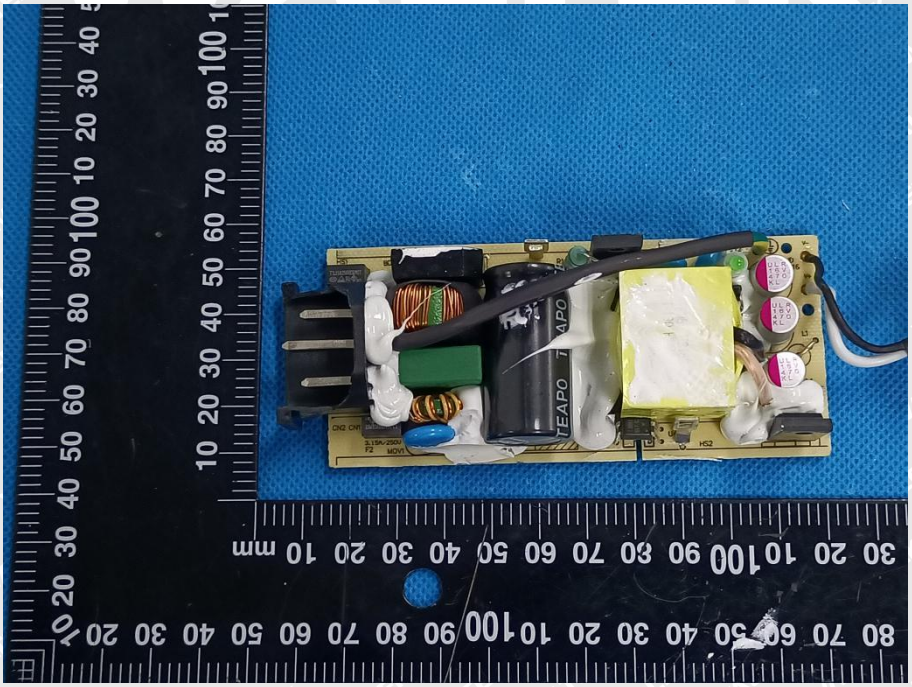
Solder Board-Component View 2



Solder Board-Component View 3



Solder Board-Component View 4



EUT Housing and Board View 5

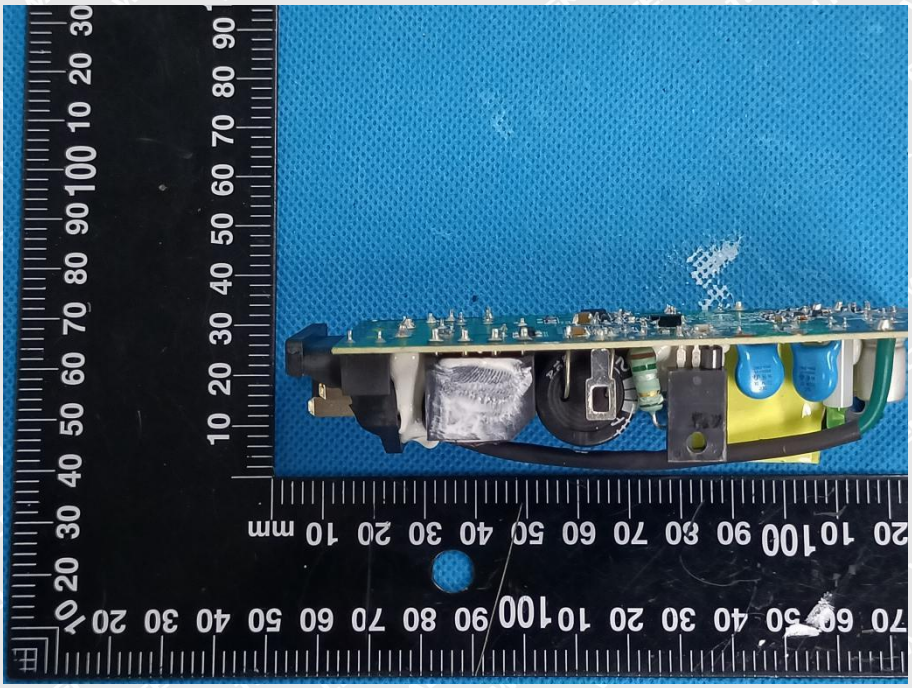
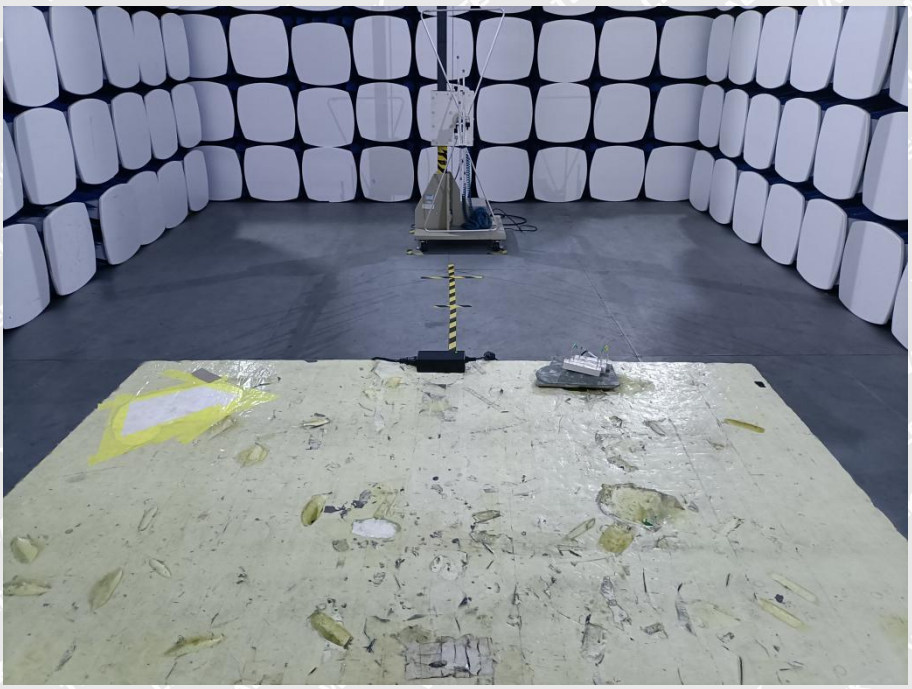


EXHIBIT 2 - TEST SETUP PHOTOGRAPHS

Conduction Emission Test View

Radiation Emission Test View



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