



TEST REPORT

Reference No..... : WTX21X09095460E-1
Applicant : GlobTek (Suzhou) Co., Ltd
Address : Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China
Product : ICT/ITE/Medical Power Supply
Test Model. : GT*96600-****
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 ... : Jun. 01, 2021; Jul. 21, 2021
Date of Test..... : Jun. 01, 2021 to Jun. 10, 2021; Jul. 21, 2021 to Jul. 23, 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.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

Tel.: +86-755-33663308

Fax.: +86-755-33663309

Tested by:

Make Chen

Make Chen/Project Engineer

Reviewed By:

Zhan Cai

Evan Cai / EMC Manager

Approved & Authorized By:

Silin Chen

Silin Chen / Manager



TABLE OF CONTENTS

1. GENERAL INFORMATION	4
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	4
1.2 TEST STANDARDS.....	6
1.3 TEST METHODOLOGY.....	6
1.4 EUT SETUP AND OPERATION MODE	7
1.5 PERFORMANCE CRITERIA FOR EMS	8
1.6 TEST EQUIPMENT LIST AND DETAILS	9
2. SUMMARY OF TEST RESULTS	10
3. CONDUCTED EMISSION.....	11
3.1 MEASUREMENT UNCERTAINTY	11
3.2 BASIC TEST SETUP BLOCK DIAGRAM.....	11
3.3 ENVIRONMENTAL CONDITIONS	12
3.4 SUMMARY OF TEST RESULTS	12
4. RADIATED EMISSION	23
4.1 MEASUREMENT UNCERTAINTY	23
4.2 BASIC TEST SETUP BLOCK DIAGRAM.....	23
4.3 CORRECTED AMPLITUDE & MARGIN CALCULATION.....	24
4.4 ENVIRONMENTAL CONDITIONS	24
4.5 SUMMARY OF TEST RESULTS	24
5. HARMONIC CURRENT EMISSIONS	35
5.1 TEST PROCEDURE.....	35
5.2 TEST STANDARDS	35
5.3 ENVIRONMENTAL CONDITIONS.....	35
5.4 BASIC TEST SETUP BLOCK DIAGRAM	35
5.5 HARMONIC CURRENT EMISSIONS TEST DATA.....	35
6. VOLTAGE FLUCTUATION FLICKER.....	36
6.1 TEST PROCEDURE.....	36
6.2 TEST STANDARDS	36
6.3 ENVIRONMENTAL CONDITIONS.....	36
6.4 BASIC TEST SETUP BLOCK DIAGRAM	36
6.5 VOLTAGE FLUCTUATION AND FLICKER TEST DATA.....	36
7. ELECTROSTATIC DISCHARGES (ESD)	41
7.1 TEST PROCEDURE.....	41
7.2 TEST PERFORMANCE	41
7.3 ENVIRONMENTAL CONDITIONS.....	41
7.4 BASIC TEST SETUP BLOCK DIAGRAM	41
7.5 ELECTROSTATIC DISCHARGE IMMUNITY TEST DATA	42
8. CONTINUOUS RF ELECTROMAGNETIC FIELD DISTURBANCES (RS)	44
8.1 TEST PROCEDURE.....	44
8.2 TEST PERFORMANCE	44
8.4 BASIC TEST SETUP BLOCK DIAGRAM	44
8.5 CONTINUOUS RADIATED DISTURBANCES TEST DATA.....	45
9. ELECTRICAL FAST TRANSIENTS (EFT).....	46
9.1 TEST PROCEDURE.....	46
9.4 BASIC TEST SETUP BLOCK DIAGRAM	46
9.5 ELECTRICAL FAST TRANSIENTS TEST DATA	47
10. SURGES	48
10.1 TEST PROCEDURE.....	48
10.4 BASIC TEST SETUP BLOCK DIAGRAM	48
10.5 SURGE TEST DATA.....	49
11. CONTINUOUS INDUCED RF DISTURBANCES (C/S)	50
11.1 TEST PROCEDURE	50

Waltek Testing Group (Shenzhen) Co., Ltd.

[Http://www.waltek.com.cn](http://www.waltek.com.cn)



11.4 BASIC TEST SETUP BLOCK DIAGRAM	50
11.5 CONTINUOUS CONDUCTED DISTURBANCES TEST DATA	51
12. POWER-FREQUENCY MAGNETIC FIELDS (PFMF)	52
12.1 TEST PROCEDURE	52
12.4 BASIC TEST SETUP BLOCK DIAGRAM	52
12.5 POWER-FREQUENCY MAGNETIC FIELD TEST DATA	53
13. VOLTAGE DIPS AND INTERRUPTIONS.....	54
13.1 TEST PROCEDURE	54
13.4 BASIC TEST SETUP BLOCK DIAGRAM	54
13.5 VOLTAGE DIPS AND INTERRUPTIONS TEST DATA	55
EXHIBIT 1 - PRODUCT LABELING	56
PROPOSED CE LABEL FORMAT	56
PROPOSED LABEL LOCATION ON EUT	56
EXHIBIT 2 - EUT PHOTOGRAPHS.....	57
EXHIBIT 3 - TEST SETUP PHOTOGRAPHS	75

WALTEK



1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:

Address of applicant:

GlobTek (Suzhou) Co., Ltd

Building 4, No. 76, Jin Ling East Rd., Suzhou

Industrial Park, Suzhou,JiangSu 215021, China

Manufacturer:

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

General Description of EUT

Product Name:	ICT/ITE/Medical Power Supply
Trade Name:	
Model No.:	GT*96600****
Adding Model(s):	/

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

the test data is cited the early report, Report Numbers is WTX21X03023204E-1

*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 “65”, with interval of 1.*

The 3rd “” denote the standard rated output voltage designation, which can be “05” to “54” or “5.0” to “54.0” 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

=-TP means desktop class II with power supply cord with plug

=-TP3 means desktop class I or class II with functional earth with power supply cord with plug

=-TW means desktop class II with input wire without plug

=-TW3 means desktop class I or class II with functional earth with input wire without plug

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 or 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	GTM96600-3005-R3A-CF (EUT 5V/6A)	Connection load	AC 230V 50Hz input	
TM2	GTM96600-6512-R3A-CF (EUT 12V/5.41A)	Connection load	AC 230V 50Hz input	
TM3	GTM96600-6054-R3A-CF (EUT 54V/1.11A)	Connection load	AC 230V 50Hz input	
TM4	GTM96600-6030-R3A-CF (EUT 30V/2.0A)	Connection load	AC 230V/50Hz input	
TM5	GTM96600-6030-R3A-CF (EUT 30V/2.0A)	Connection load	AC 110V/60Hz input	

EUT Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Core
Cable	1.2	Unshielded	Without	Without
DC Cable	5.93	Shielded	Without	Without

Special Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Core
AC Cable	1.2	Unshielded	Without	Without

Auxiliary Equipment List and Details				
Description	Manufacturer	Model	Serial Number	
Multimeter	Fluke	/	/	



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.

WALTEK



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
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2021-05-06	2022-05-05
Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2023-03-19
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



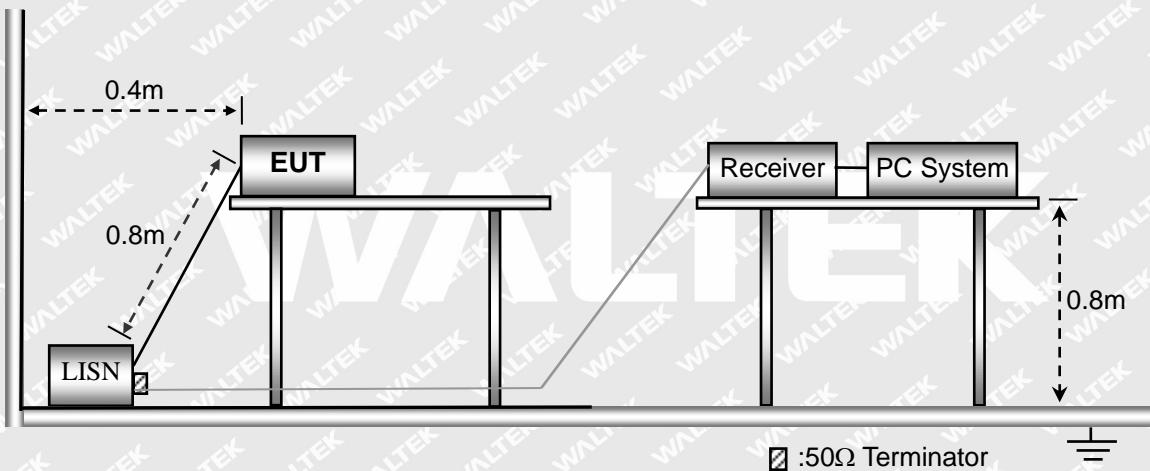
3. Conducted Emission

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 $\pm 3.74\text{dB}$
		0.15-30MHz $\pm 3.34\text{dB}$

3.2 Basic Test Setup Block Diagram





3.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1015 mbar

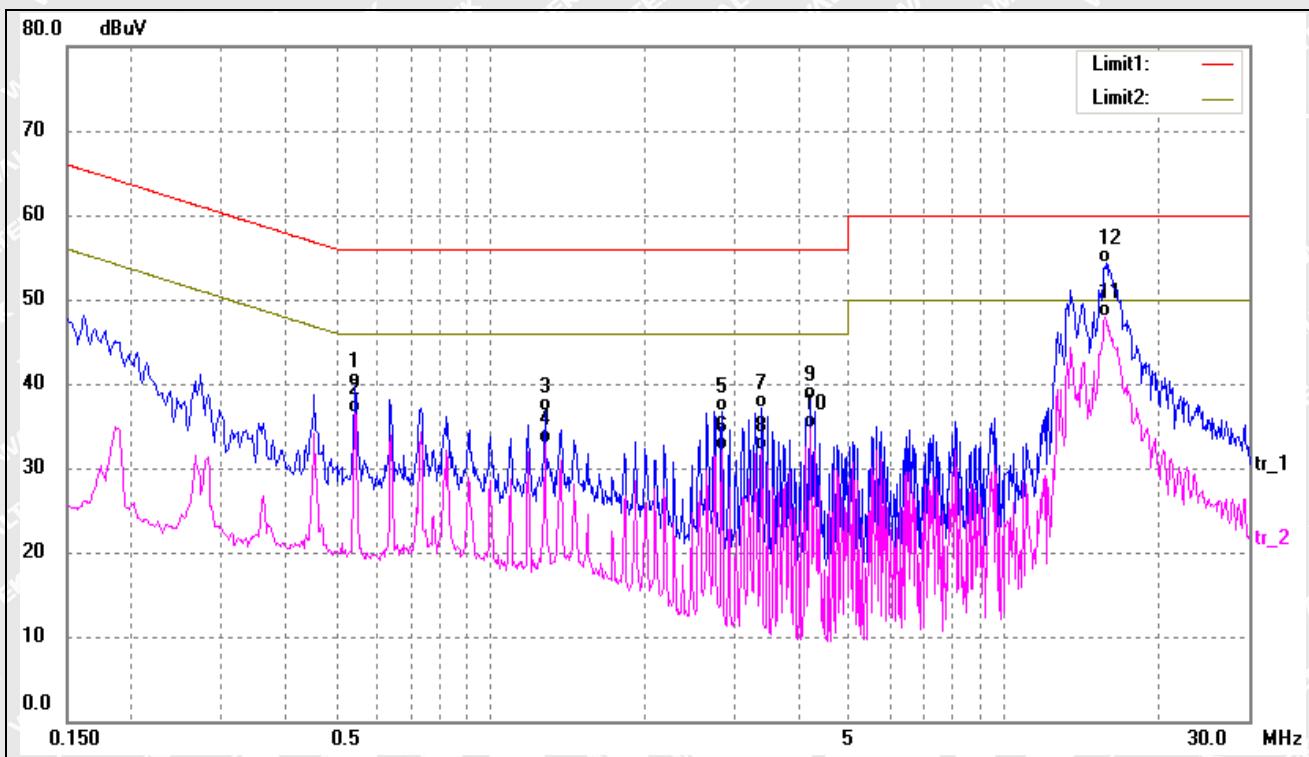
3.4 Summary of Test Results

Look at the graphs and data below:

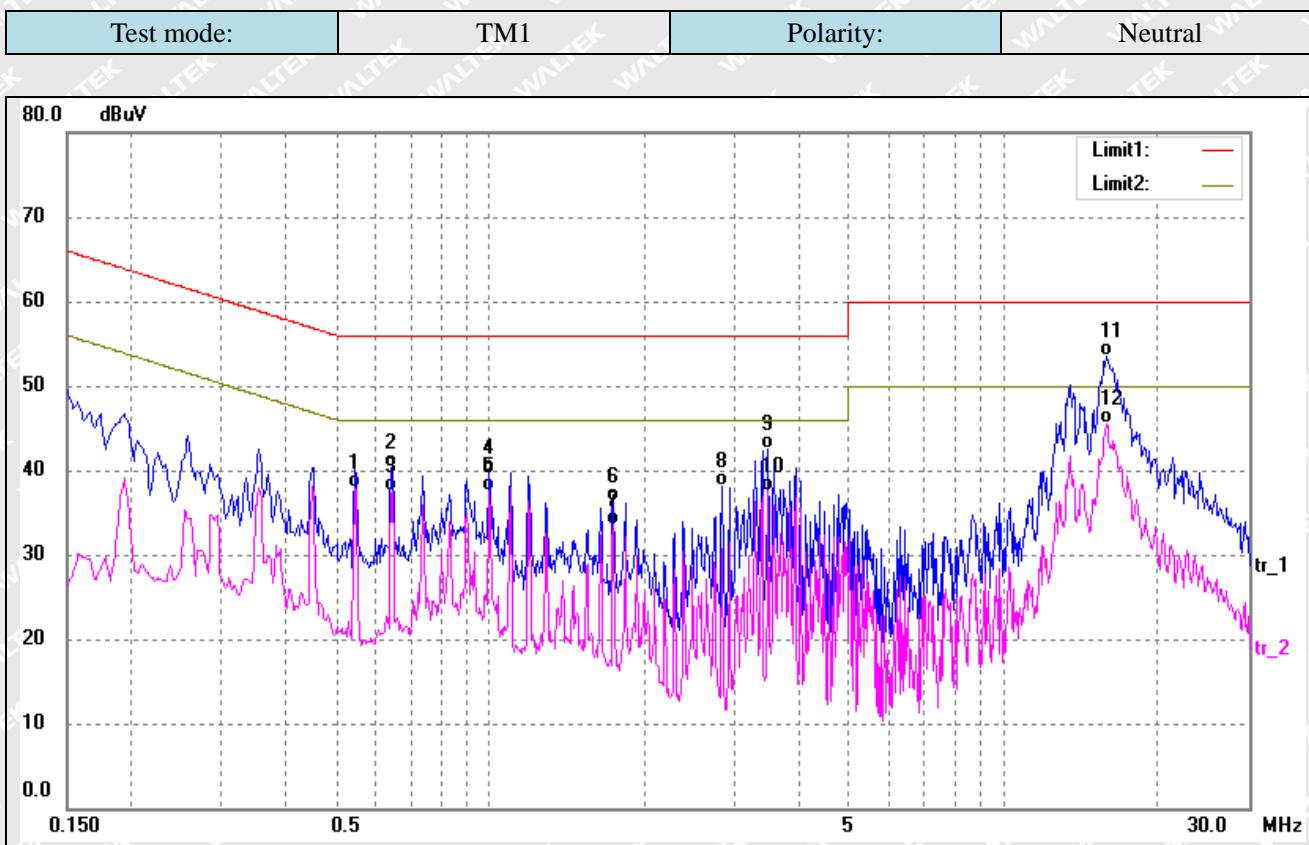
WALTEK

**GTM96600-3005-R3A-CF**

Test mode:	TM1	Polarity:	Line
------------	-----	-----------	------



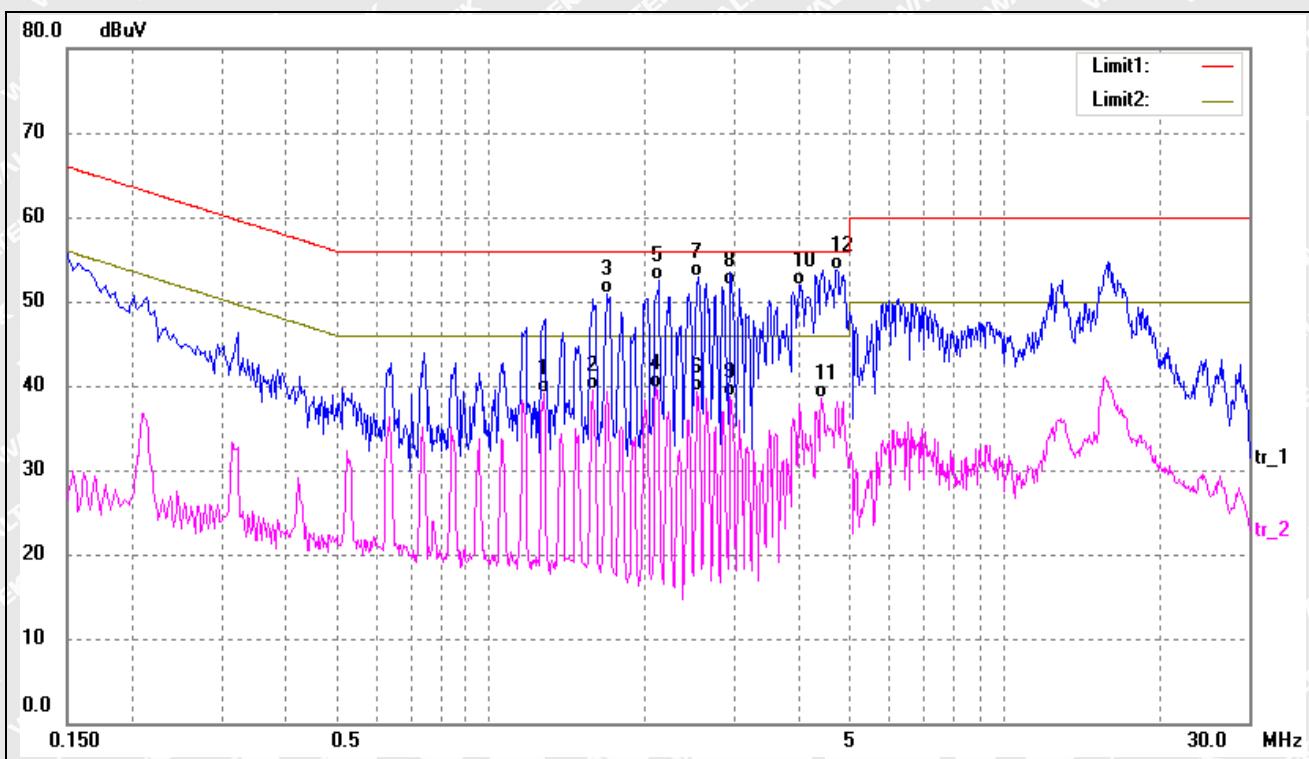
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5460	29.51	10.21	39.72	56.00	-16.28	QP
2	0.5460	26.29	10.21	36.50	46.00	-9.50	AVG
3	1.2820	26.57	10.22	36.79	56.00	-19.21	QP
4	1.2820	22.66	10.22	32.88	46.00	-13.12	AVG
5	2.8300	26.52	10.28	36.80	56.00	-19.20	QP
6	2.8300	21.78	10.28	32.06	46.00	-13.94	AVG
7	3.3740	26.80	10.26	37.06	56.00	-18.94	QP
8	3.3740	21.79	10.26	32.05	46.00	-13.95	AVG
9	4.1979	27.79	10.24	38.03	56.00	-17.97	QP
10	4.2020	24.48	10.24	34.72	46.00	-11.28	AVG
11*	15.7900	37.32	10.58	47.90	50.00	-2.10	AVG
12	15.8780	43.65	10.58	54.23	60.00	-5.77	QP



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5460	27.72	10.21	37.93	46.00	-8.07	AVG
2	0.6419	30.03	10.19	40.22	56.00	-15.78	QP
3	0.6460	27.33	10.19	37.52	46.00	-8.48	AVG
4	0.9980	29.56	10.20	39.76	56.00	-16.24	QP
5	0.9980	27.35	10.20	37.55	46.00	-8.45	AVG
6	1.7380	26.07	10.26	36.33	56.00	-19.67	QP
7	1.7380	23.33	10.26	33.59	46.00	-12.41	AVG
8	2.8300	27.90	10.28	38.18	56.00	-17.82	QP
9	3.4740	32.25	10.25	42.50	56.00	-13.50	QP
10	3.4740	27.21	10.25	37.46	46.00	-8.54	AVG
11	15.8140	42.90	10.58	53.48	60.00	-6.52	QP
12*	15.8140	34.90	10.58	45.48	50.00	-4.52	AVG

**GTM96600-6512-R3A-CF**

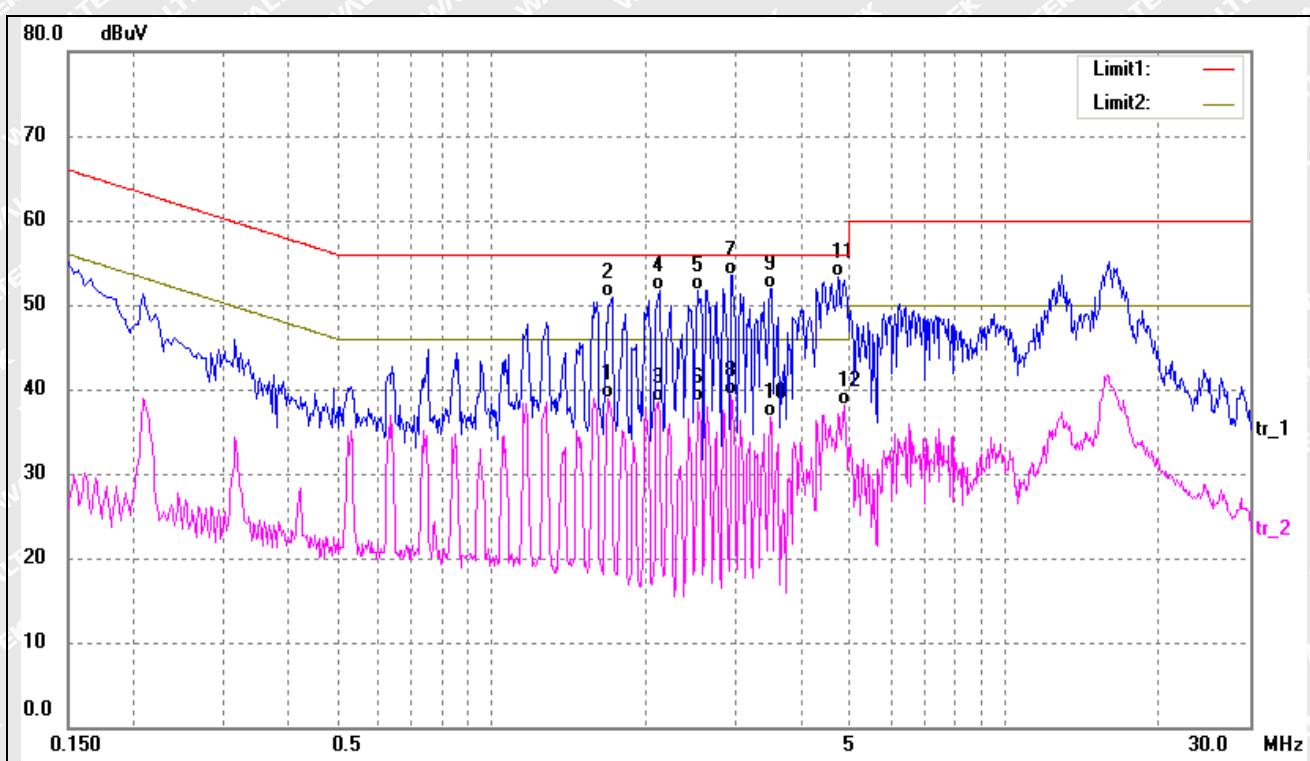
Test mode:	TM2	Polarity:	Line
------------	-----	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	1.2700	28.88	10.21	39.09	46.00	-6.91	AVG
2	1.5820	29.26	10.24	39.50	46.00	-6.50	AVG
3	1.6980	40.61	10.26	50.87	56.00	-5.13	QP
4	2.1099	29.41	10.29	39.70	46.00	-6.30	AVG
5	2.1340	42.15	10.29	52.44	56.00	-3.56	QP
6	2.5380	29.06	10.29	39.35	46.00	-6.65	AVG
7	2.5460	42.53	10.29	52.82	56.00	-3.18	QP
8	2.9460	41.73	10.27	52.00	56.00	-4.00	QP
9	2.9460	28.41	10.27	38.68	46.00	-7.32	AVG
10	3.9980	41.65	10.24	51.89	56.00	-4.11	QP
11	4.4260	28.24	10.23	38.47	46.00	-7.53	AVG
12*	4.7420	43.52	10.22	53.74	56.00	-2.26	QP



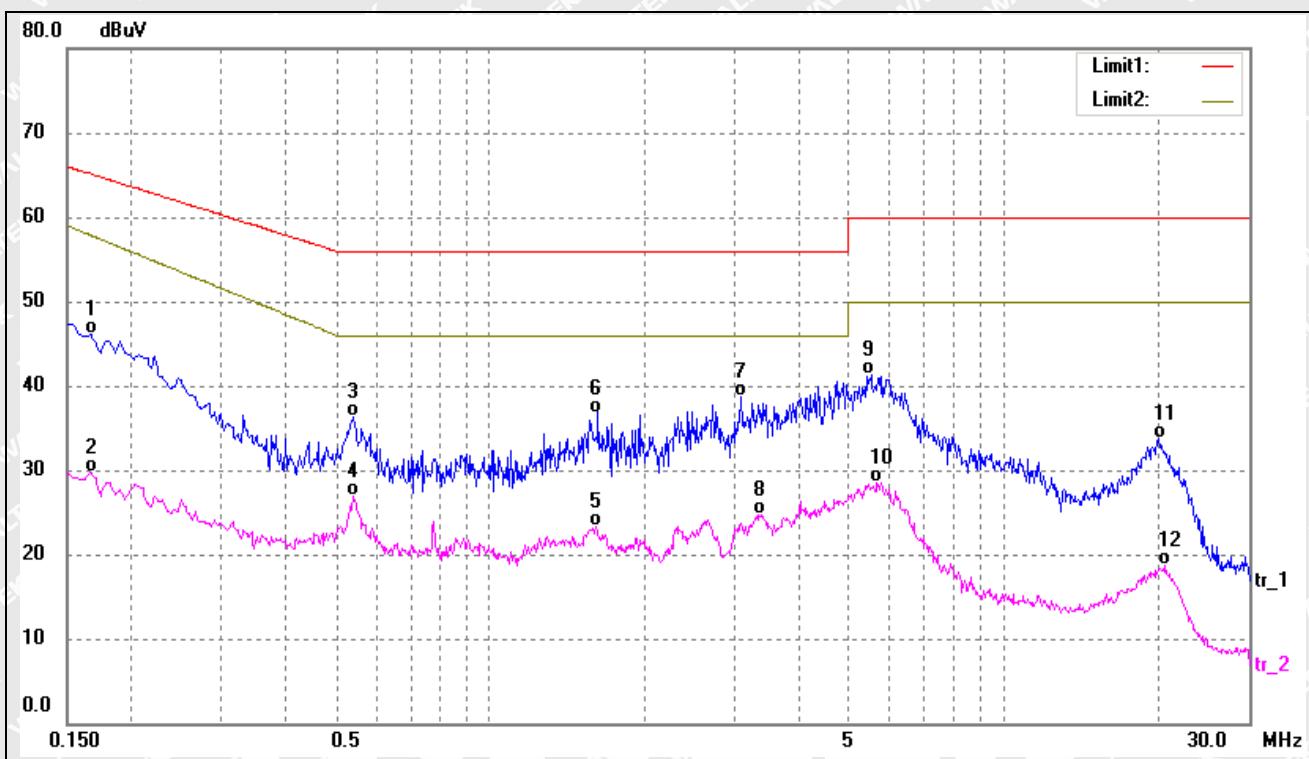
Test mode:	TM2	Polarity:	Neutral
------------	-----	-----------	---------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	1.6980	28.61	10.26	38.87	46.00	-7.13	AVG
2	1.7180	40.60	10.26	50.86	56.00	-5.14	QP
3	2.1180	28.29	10.29	38.58	46.00	-7.42	AVG
4	2.1340	41.32	10.29	51.61	56.00	-4.39	QP
5	2.5260	41.47	10.29	51.76	56.00	-4.24	QP
6	2.5260	28.20	10.29	38.49	46.00	-7.51	AVG
7*	2.9460	43.24	10.27	53.51	56.00	-2.49	QP
8	2.9460	28.94	10.27	39.21	46.00	-6.79	AVG
9	3.5020	41.63	10.25	51.88	56.00	-4.12	QP
10	3.5020	26.40	10.25	36.65	46.00	-9.35	AVG
11	4.7459	43.08	10.22	53.30	56.00	-2.70	QP
12	4.8699	27.81	10.23	38.04	46.00	-7.96	AVG

**GTM96600-6054-R3A-CF**

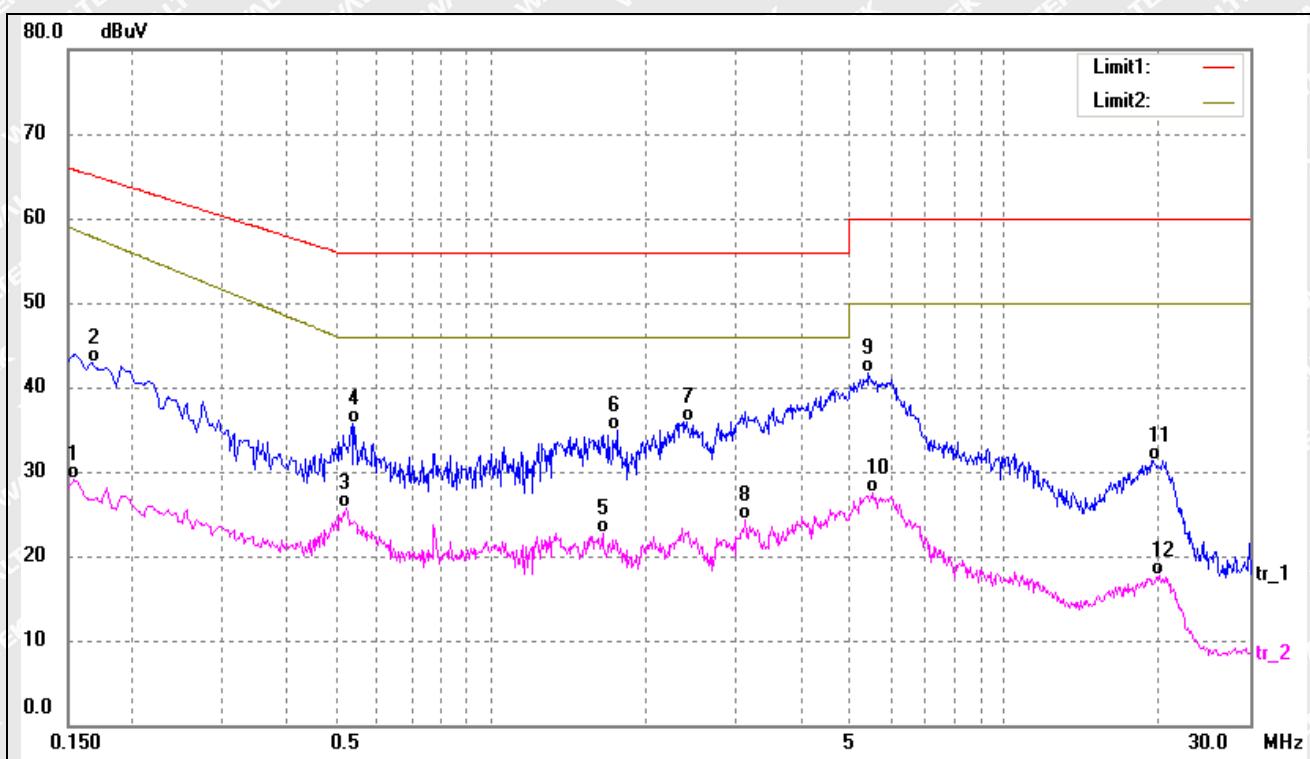
Test mode:	TM3	Polarity:	Line
------------	-----	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	35.79	10.26	46.05	65.15	-19.10	QP
2	0.1660	19.38	10.26	29.64	57.90	-28.26	AVG
3	0.5420	26.06	10.21	36.27	56.00	-19.73	QP
4	0.5420	16.65	10.21	26.86	46.00	-19.14	AVG
5	1.6060	12.97	10.24	23.21	46.00	-22.79	AVG
6	1.6260	26.55	10.25	36.80	56.00	-19.20	QP
7*	3.0820	28.48	10.26	38.74	56.00	-17.26	QP
8	3.3660	14.53	10.26	24.79	46.00	-21.21	AVG
9	5.5260	31.01	10.23	41.24	60.00	-18.76	QP
10	5.6740	18.29	10.23	28.52	50.00	-21.48	AVG
11	20.0500	23.11	10.59	33.70	60.00	-26.30	QP
12	20.6140	8.03	10.59	18.62	50.00	-31.38	AVG



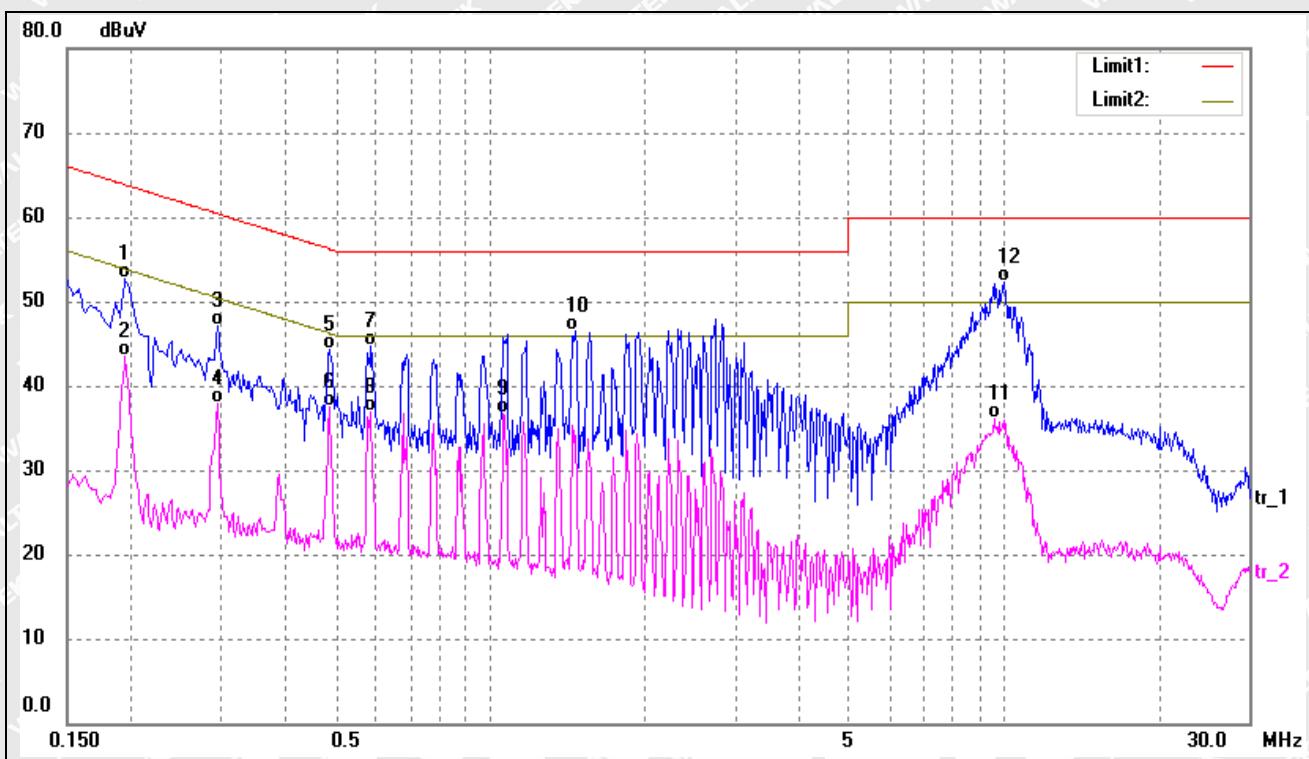
Test mode:	TM3	Polarity:	Neutral
------------	-----	-----------	---------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	18.91	10.25	29.16	58.72	-29.56	AVG
2	0.1660	32.62	10.26	42.88	65.15	-22.27	QP
3	0.5220	15.42	10.22	25.64	46.00	-20.36	AVG
4	0.5340	25.56	10.21	35.77	56.00	-20.23	QP
5	1.6460	12.48	10.25	22.73	46.00	-23.27	AVG
6	1.7580	24.62	10.26	34.88	56.00	-21.12	QP
7	2.4020	25.67	10.29	35.96	56.00	-20.04	QP
8	3.1300	14.10	10.26	24.36	46.00	-21.64	AVG
9*	5.4220	31.43	10.23	41.66	60.00	-18.34	QP
10	5.5380	17.35	10.23	27.58	50.00	-22.42	AVG
11	19.4500	20.70	10.59	31.29	60.00	-28.71	QP
12	20.0060	7.02	10.59	17.61	50.00	-32.39	AVG

**GTM96600-6030-R3A-CF**

Test mode:	TM4	Polarity:	Line
------------	-----	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1940	42.53	10.27	52.80	63.86	-11.06	QP
2	0.1940	33.30	10.27	43.57	53.86	-10.29	AVG
3	0.2940	36.80	10.24	47.04	60.41	-13.37	QP
4	0.2940	27.60	10.24	37.84	50.41	-12.57	AVG
5	0.4860	34.16	10.22	44.38	56.24	-11.86	QP
6	0.4860	27.25	10.22	37.47	46.24	-8.77	AVG
7	0.5860	34.51	10.21	44.72	56.00	-11.28	QP
8	0.5860	26.78	10.21	36.99	46.00	-9.01	AVG
9	1.0620	26.53	10.21	36.74	46.00	-9.26	AVG
10	1.4660	36.23	10.23	46.46	56.00	-9.54	QP
11	9.5860	25.87	10.28	36.15	50.00	-13.85	AVG
12*	9.9900	41.94	10.28	52.22	60.00	-7.78	QP

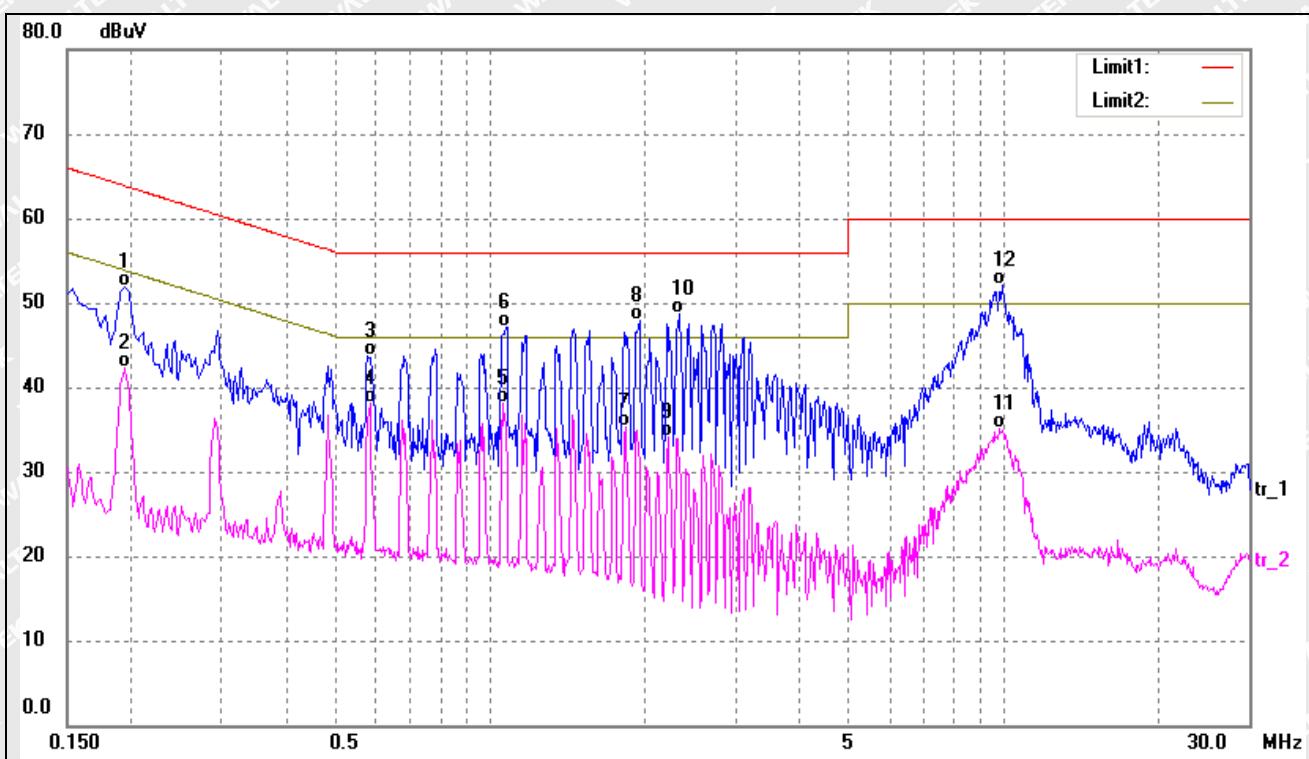


Test mode:

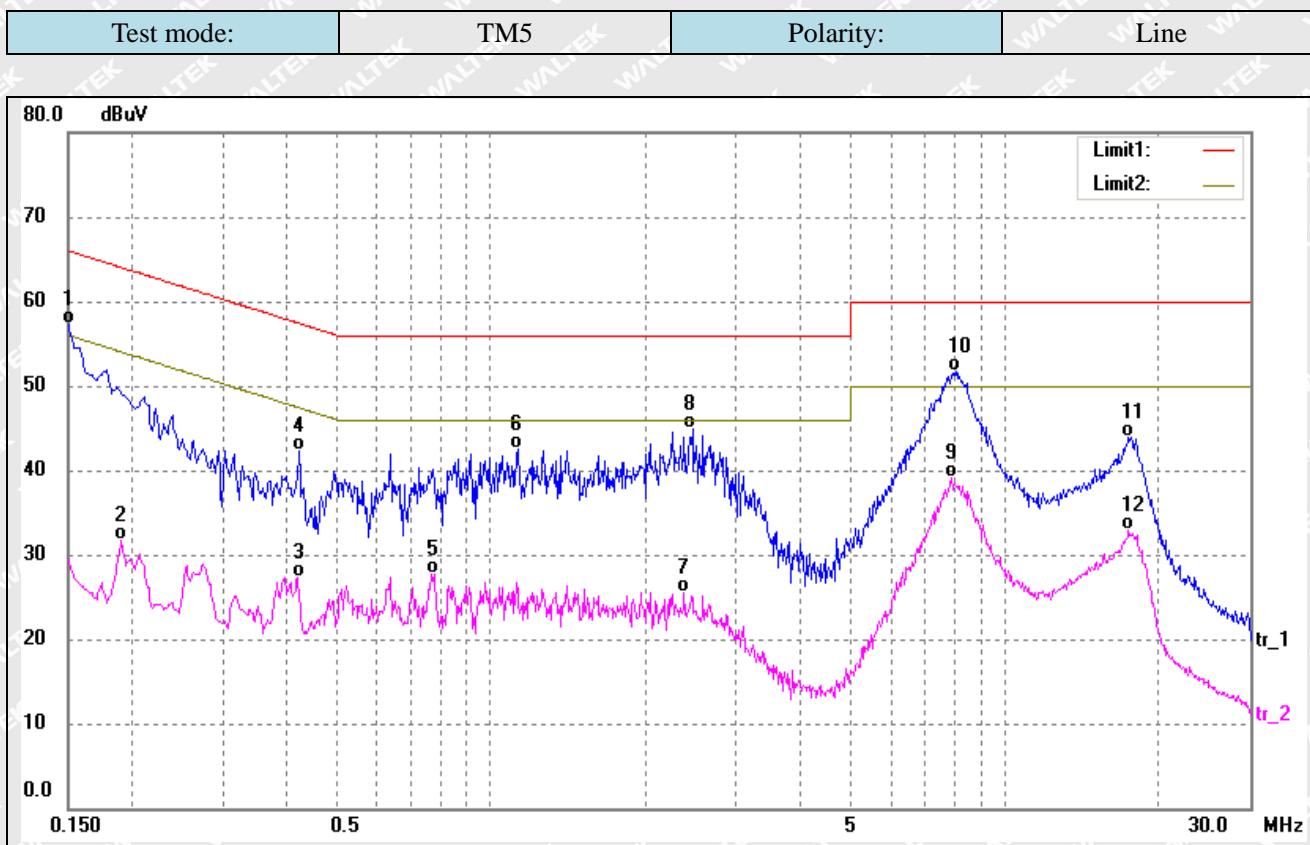
TM4

Polarity:

Neutral



No.	Frequency (MHz)	Reading (dB _{uV})	Correct (dB/m)	Result (dB _{uV})	Limit (dB _{uV})	Margin (dB)	Detector
1	0.1940	41.62	10.27	51.89	63.86	-11.97	QP
2	0.1940	32.03	10.27	42.30	53.86	-11.56	AVG
3	0.5780	33.56	10.21	43.77	56.00	-12.23	QP
4	0.5820	27.83	10.21	38.04	46.00	-7.96	AVG
5	1.0580	27.82	10.21	38.03	46.00	-7.97	AVG
6	1.0740	36.94	10.21	47.15	56.00	-8.85	QP
7	1.8300	25.05	10.27	35.32	46.00	-10.68	AVG
8	1.9500	37.58	10.28	47.86	56.00	-8.14	QP
9	2.2139	23.77	10.29	34.06	46.00	-11.94	AVG
10*	2.3340	38.50	10.29	48.79	56.00	-7.21	QP
11	9.8100	24.74	10.28	35.02	50.00	-14.98	AVG
12	9.9180	41.91	10.28	52.19	60.00	-7.81	QP



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	46.99	10.25	57.24	65.99	-8.75	QP
2	0.1900	21.44	10.26	31.70	54.03	-22.33	AVG
3	0.4180	17.07	10.23	27.30	47.49	-20.19	AVG
4	0.4220	31.98	10.23	42.21	57.41	-15.20	QP
5	0.7780	17.61	10.18	27.79	46.00	-18.21	AVG
6	1.1260	32.34	10.21	42.55	56.00	-13.45	QP
7	2.3780	15.26	10.29	25.55	46.00	-20.45	AVG
8	2.4660	34.68	10.29	44.97	56.00	-11.03	QP
9	7.8860	28.83	10.27	39.10	50.00	-10.90	AVG
10*	8.0380	41.40	10.27	51.67	60.00	-8.33	QP
11	17.3900	33.34	10.59	43.93	60.00	-16.07	QP
12	17.3900	22.23	10.59	32.82	50.00	-17.18	AVG

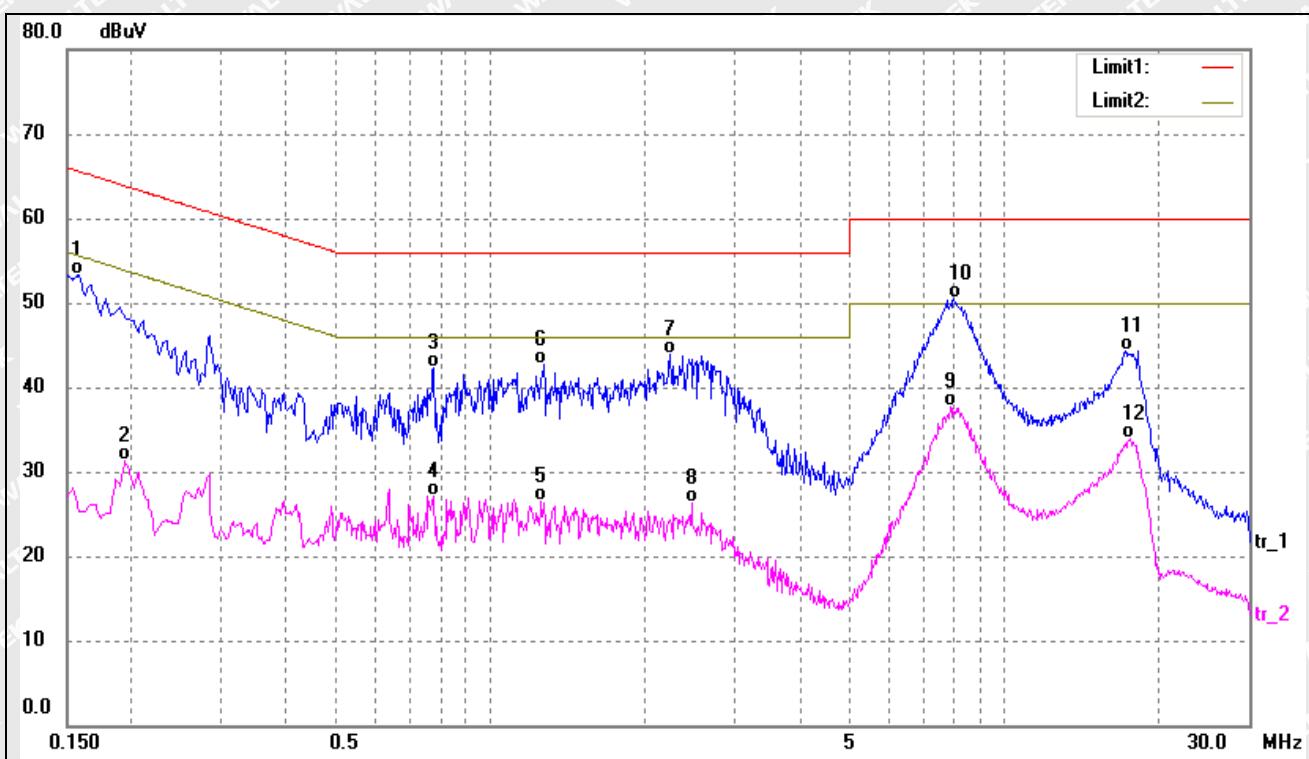


Test mode:

TM5

Polarity:

Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	43.14	10.25	53.39	65.56	-12.17	QP
2	0.1940	21.10	10.27	31.37	53.86	-22.49	AVG
3	0.7780	32.06	10.18	42.24	56.00	-13.76	QP
4	0.7780	16.99	10.18	27.17	46.00	-18.83	AVG
5	1.2579	16.24	10.21	26.45	46.00	-19.55	AVG
6	1.2700	32.47	10.21	42.68	56.00	-13.32	QP
7	2.2420	33.70	10.29	43.99	56.00	-12.01	QP
8	2.4660	16.01	10.29	26.30	46.00	-19.70	AVG
9	7.8780	27.36	10.27	37.63	50.00	-12.37	AVG
10*	8.0180	40.20	10.27	50.47	60.00	-9.53	QP
11	17.2420	33.76	10.59	44.35	60.00	-15.65	QP
12	17.5740	23.25	10.58	33.83	50.00	-16.17	AVG



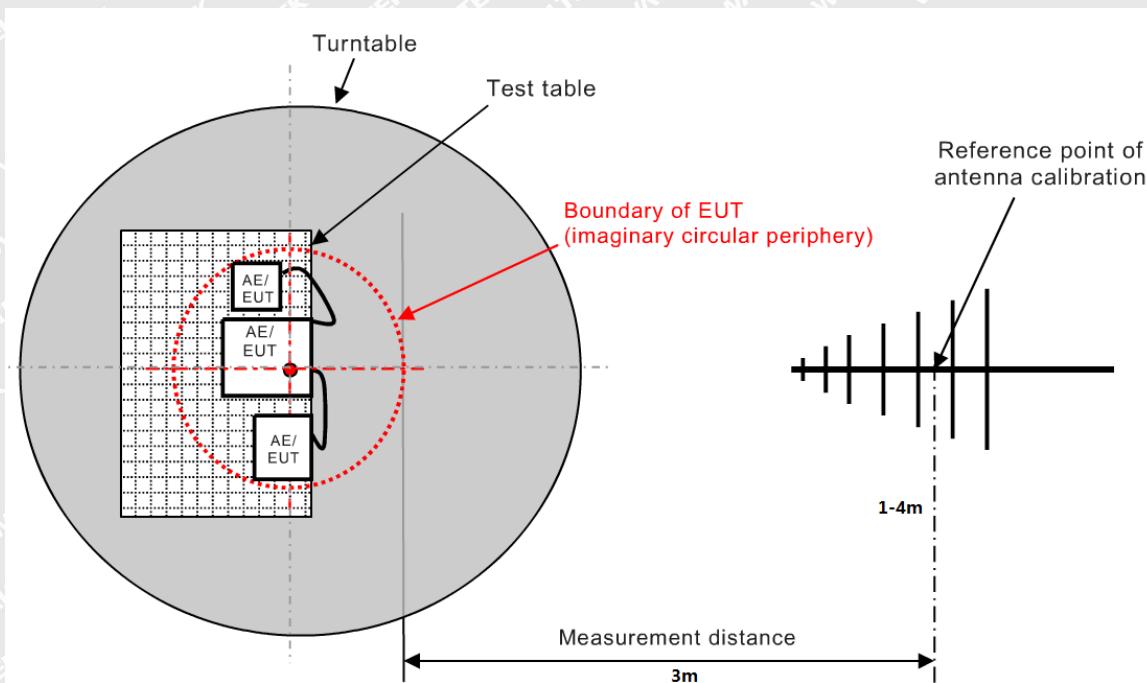
4. Radiated Emission

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 $\pm 4.52\text{dB}$
		0.2-1GHz $\pm 5.56\text{dB}$
		1-6GHz $\pm 3.84\text{dB}$
		6-18GHz $\pm 3.92\text{dB}$

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:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Correct}$$
$$\text{Correct} = \text{Ant.Factor} + \text{Cable Loss} - \text{Ampl.Gain}$$

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

$$\text{Margin} = \text{Corr. Ampl.} - \text{EN 55032 Class B Limit}$$

4.4 Environmental Conditions

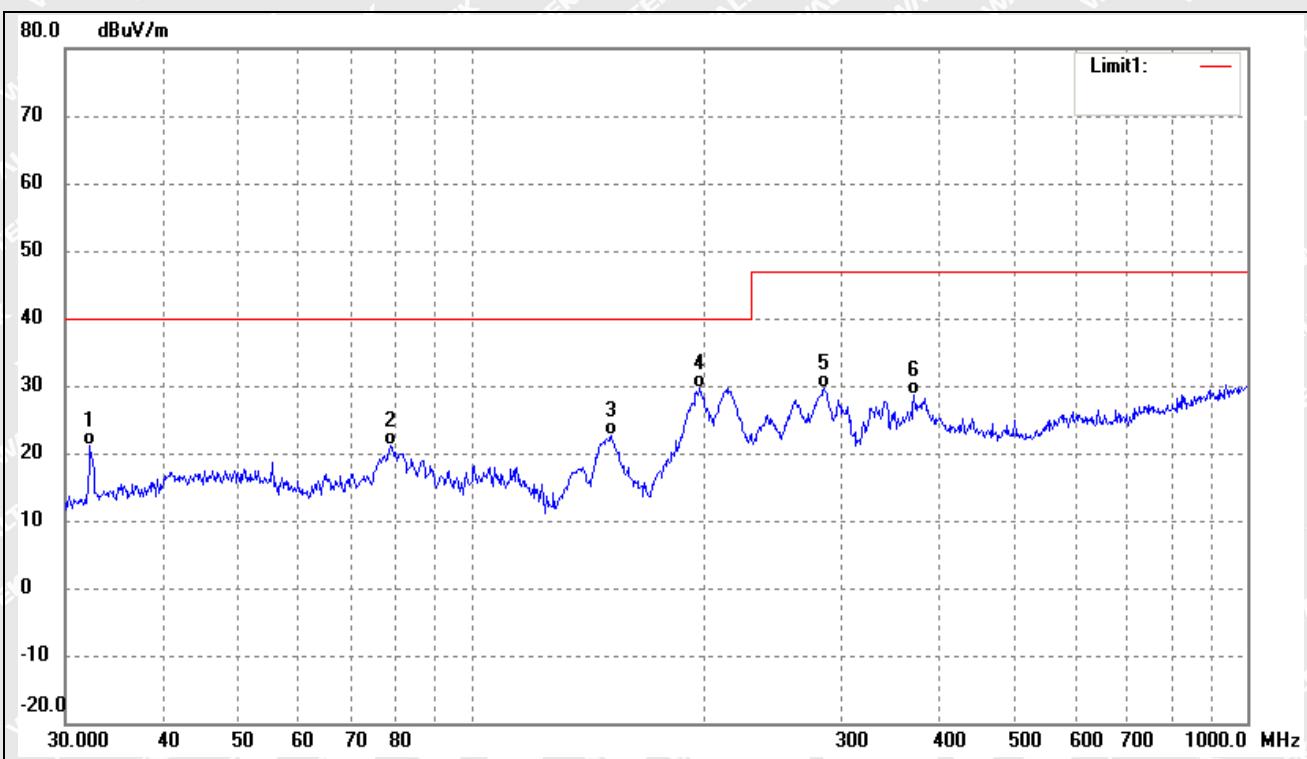
Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 mbar

4.5 Summary of Test Results

Look at the graphs and data below:

**GTM96600-3005-R3A-CF**

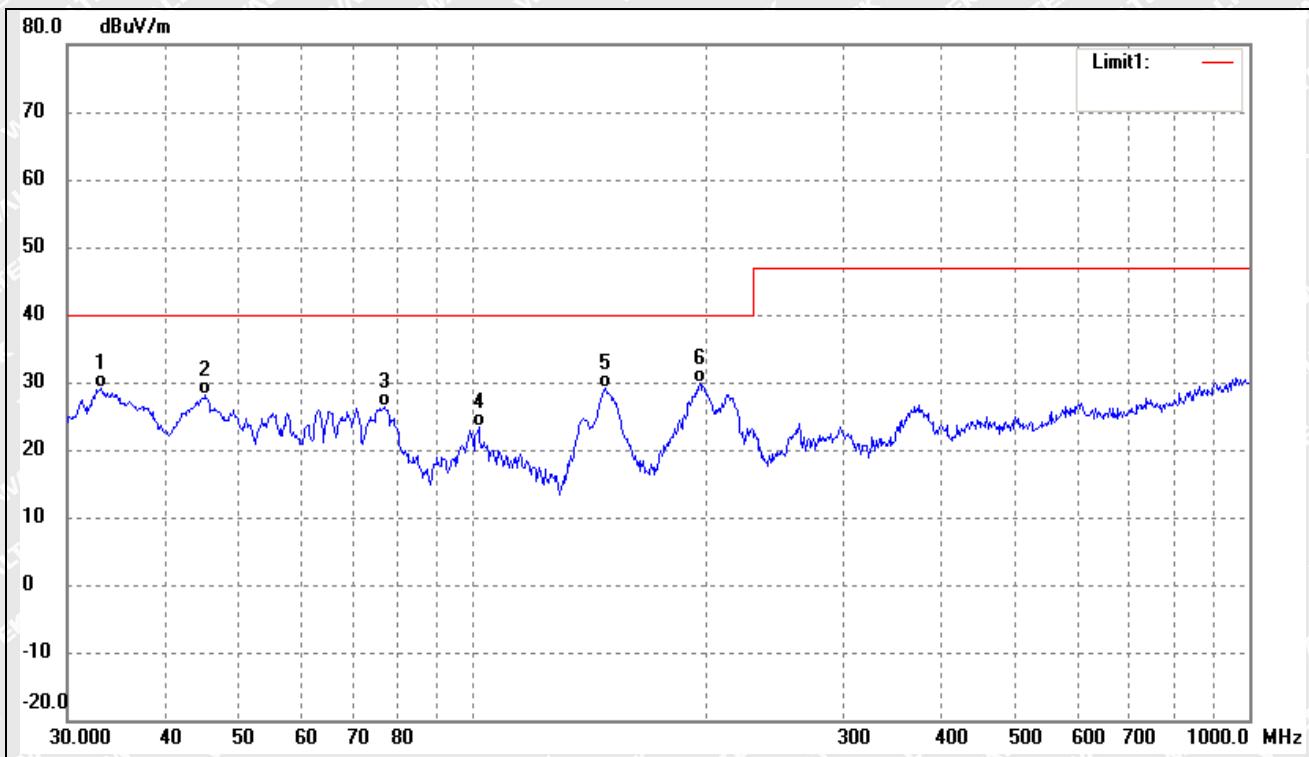
Test mode:	TM1	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	32.2925	34.34	-13.30	21.04	40.00	-18.96	251	100	QP
2	78.6888	35.25	-14.11	21.14	40.00	-18.86	123	100	QP
3	151.5972	37.32	-14.77	22.55	40.00	-17.45	21	100	QP
4	197.2001	41.06	-11.52	29.54	40.00	-10.46	195	100	QP
5	284.9767	37.79	-8.12	29.67	47.00	-17.33	252	100	QP
6	372.0045	34.26	-5.74	28.52	47.00	-18.48	101	100	QP



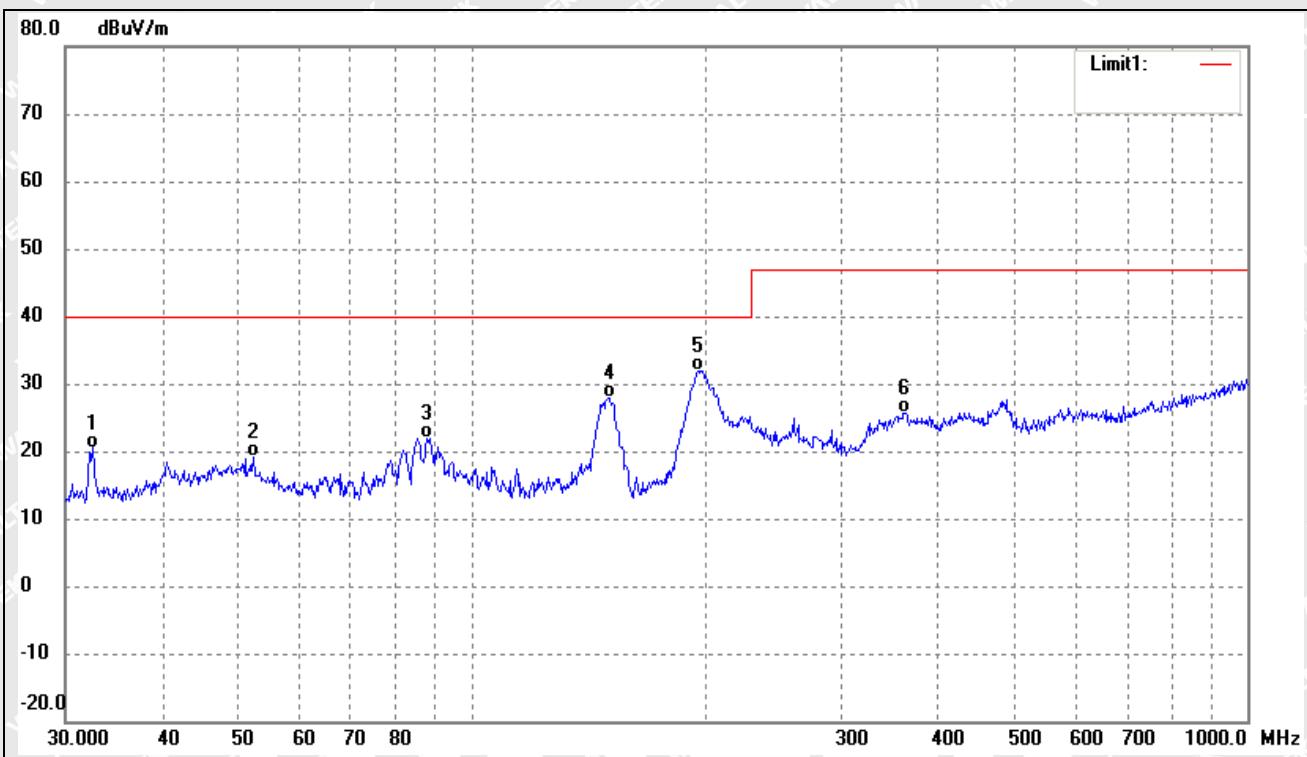
Test mode:	TM1	Polarity:	Vertical
------------	-----	-----------	----------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	33.2112	42.11	-13.07	29.04	40.00	-10.96	32	100	QP
2	45.2166	38.63	-10.55	28.08	40.00	-11.92	123	100	QP
3	76.7808	40.42	-14.01	26.41	40.00	-13.59	263	100	QP
4	101.6443	35.82	-12.34	23.48	40.00	-16.52	355	100	QP
5	147.9214	43.85	-14.77	29.08	40.00	-10.92	104	100	QP
6	195.8220	41.44	-11.62	29.82	40.00	-10.18	66	100	QP

**GTM96600-6512-R3A-CF**

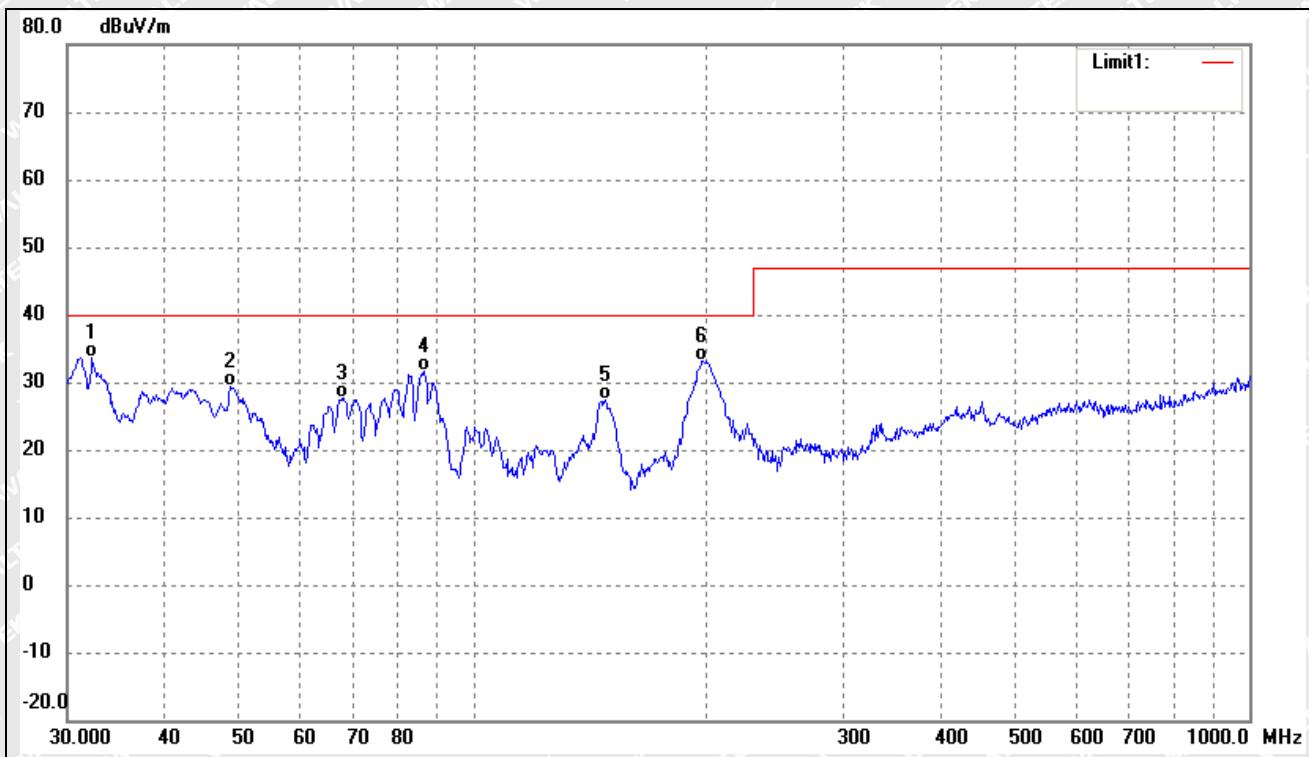
Test mode:	TM2	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	32.5198	33.75	-13.25	20.50	40.00	-19.50	312	100	QP
2	52.3912	29.88	-10.70	19.18	40.00	-20.82	25	100	QP
3	87.7248	36.39	-14.48	21.91	40.00	-18.09	105	100	QP
4	150.5378	42.67	-14.82	27.85	40.00	-12.15	196	100	QP
5	195.8220	43.55	-11.62	31.93	40.00	-8.07	241	100	QP
6	361.7139	31.66	-5.92	25.74	47.00	-21.26	152	100	QP



Test mode:	TM2	Polarity:	Vertical
------------	-----	-----------	----------

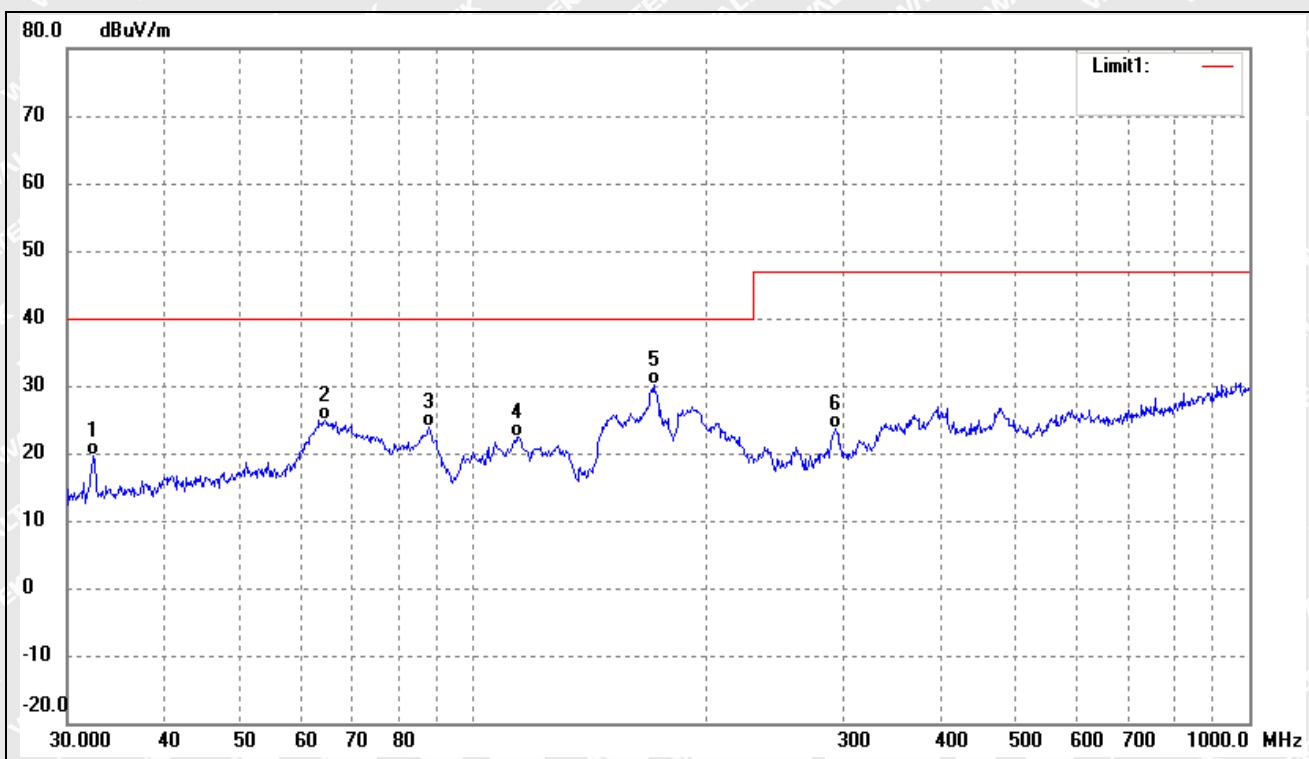


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	32.2925	46.99	-13.30	33.69	40.00	-6.31	345	100	QP
2	48.6719	39.67	-10.29	29.38	40.00	-10.62	127	100	QP
3	67.6751	41.29	-13.58	27.71	40.00	-12.29	52	100	QP
4	86.5029	45.97	-14.46	31.51	40.00	-8.49	166	100	QP
5	147.9214	42.18	-14.77	27.41	40.00	-12.59	210	100	QP
6	197.2001	44.67	-11.52	33.15	40.00	-6.85	288	100	QP



GTM96600-6054-R3A-CF

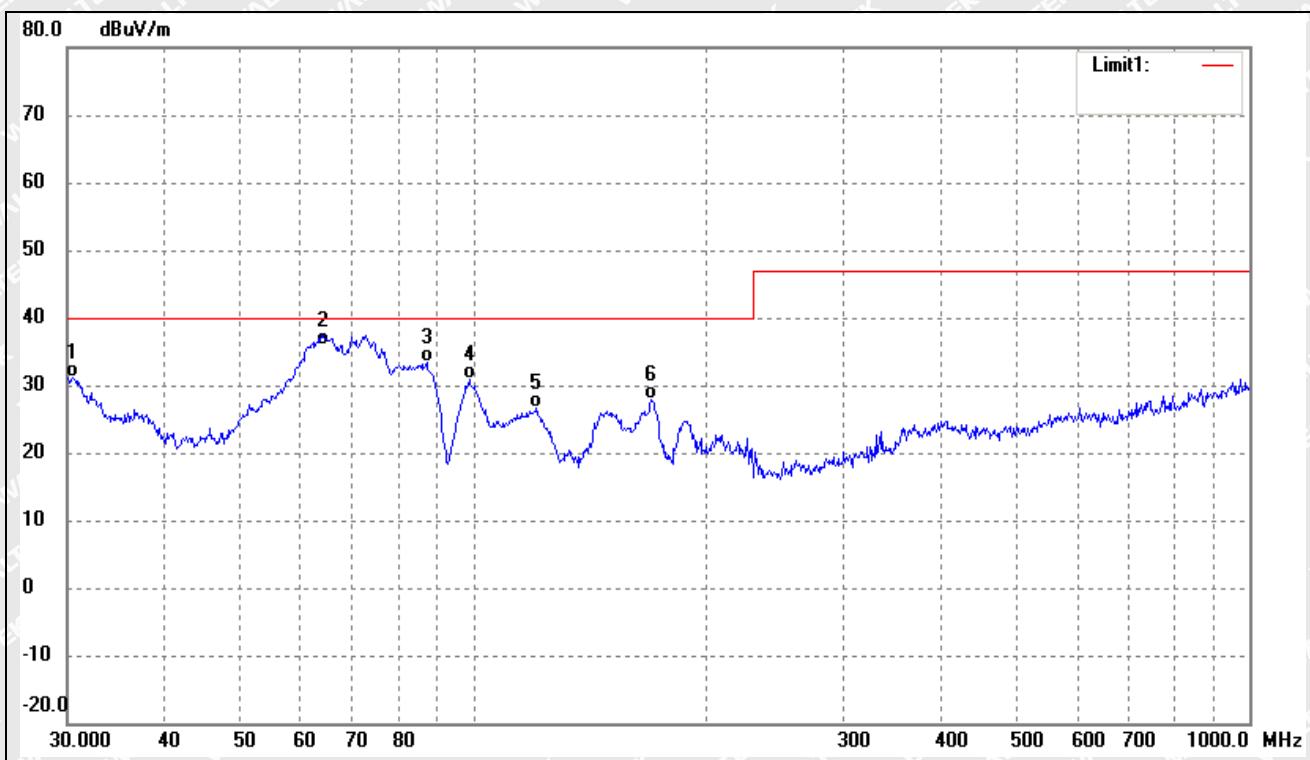
Test mode:	TM3	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	32.4059	33.01	-13.26	19.75	40.00	-20.25	56	100	QP
2	64.4331	37.72	-12.94	24.78	40.00	-15.22	291	100	QP
3	87.7248	38.40	-14.48	23.92	40.00	-16.08	142	100	QP
4	113.7143	34.94	-12.56	22.38	40.00	-17.62	53	100	QP
5	170.7926	43.75	-13.63	30.12	40.00	-9.88	216	100	QP
6	293.0842	31.15	-7.63	23.52	47.00	-23.48	252	100	QP



Test mode:	TM3	Polarity:	Vertical
------------	-----	-----------	----------

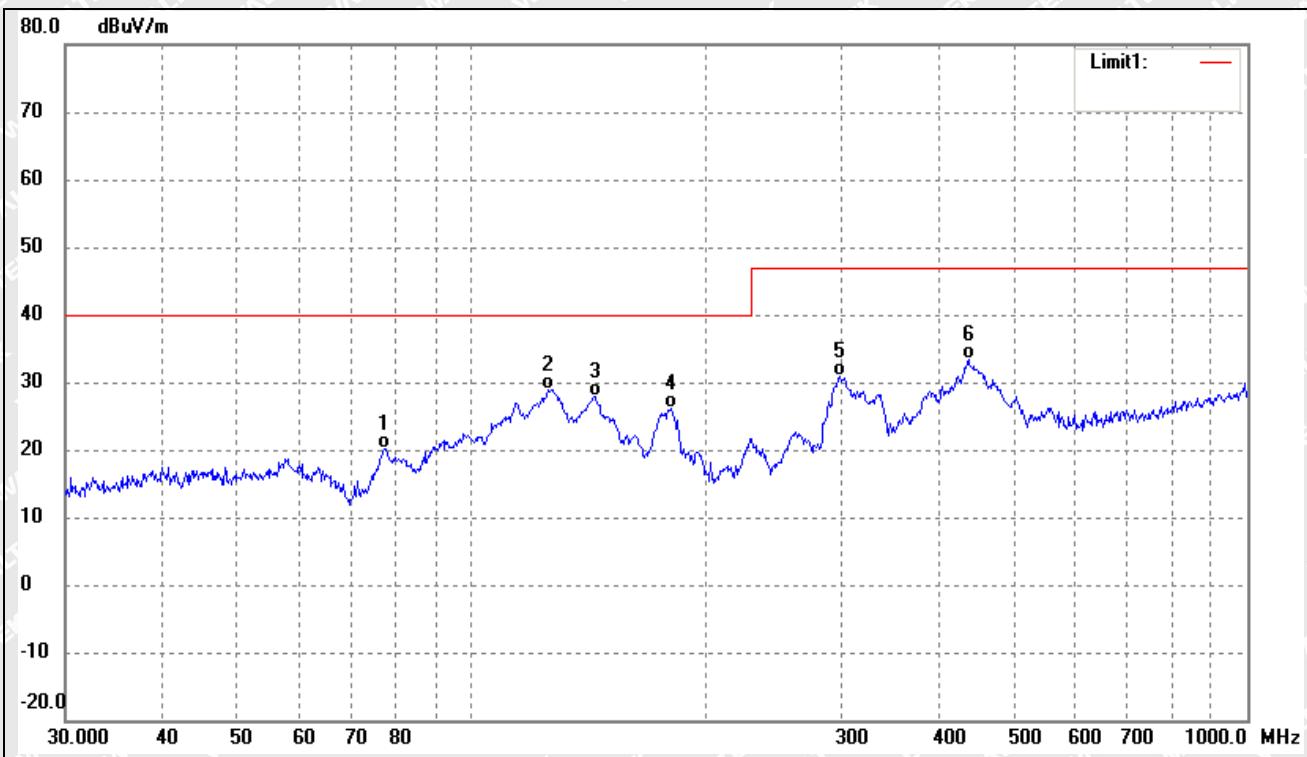


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	30.4238	45.01	-13.77	31.24	40.00	-8.76	333	100	QP
2	64.2074	48.92	-12.92	36.00	40.00	-4.00	215	100	QP
3	87.1117	47.92	-14.47	33.45	40.00	-6.55	246	100	QP
4	98.8326	43.43	-12.62	30.81	40.00	-9.19	159	100	QP
5	120.6991	40.09	-13.41	26.68	40.00	-13.32	56	100	QP
6	169.5990	41.45	-13.69	27.76	40.00	-12.24	293	100	QP



GTM96600-6030-R3A-CF

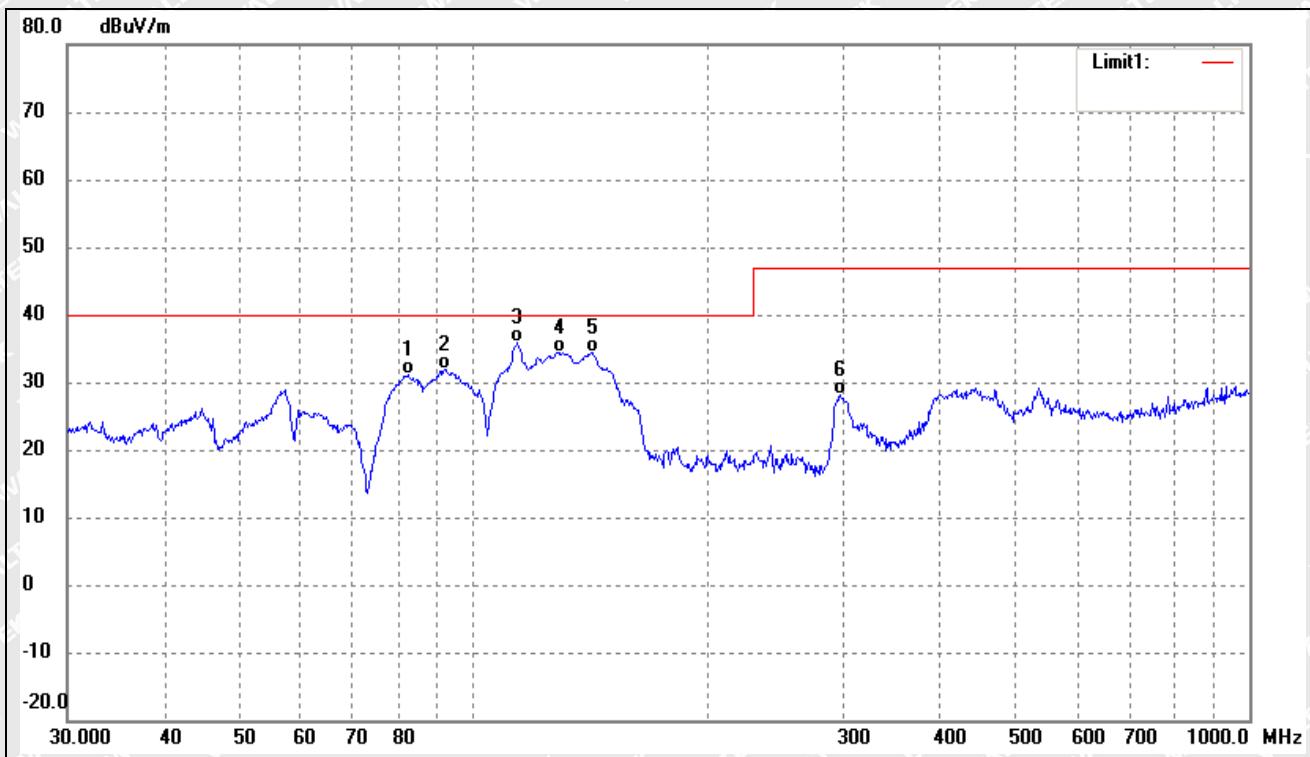
Test mode:	TM4	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	77.3212	35.29	-15.16	20.13	40.00	-19.87	300	100	QP
2	125.8864	43.31	-14.45	28.86	40.00	-11.14	96	100	QP
3	144.3348	43.16	-15.23	27.93	40.00	-12.07	164	100	QP
4	180.6488	40.05	-13.95	26.10	40.00	-13.90	112	100	QP
5	298.2681	40.22	-9.39	30.83	47.00	-16.17	285	100	QP
6	437.1199	38.63	-5.37	33.26	47.00	-13.74	125	100	QP



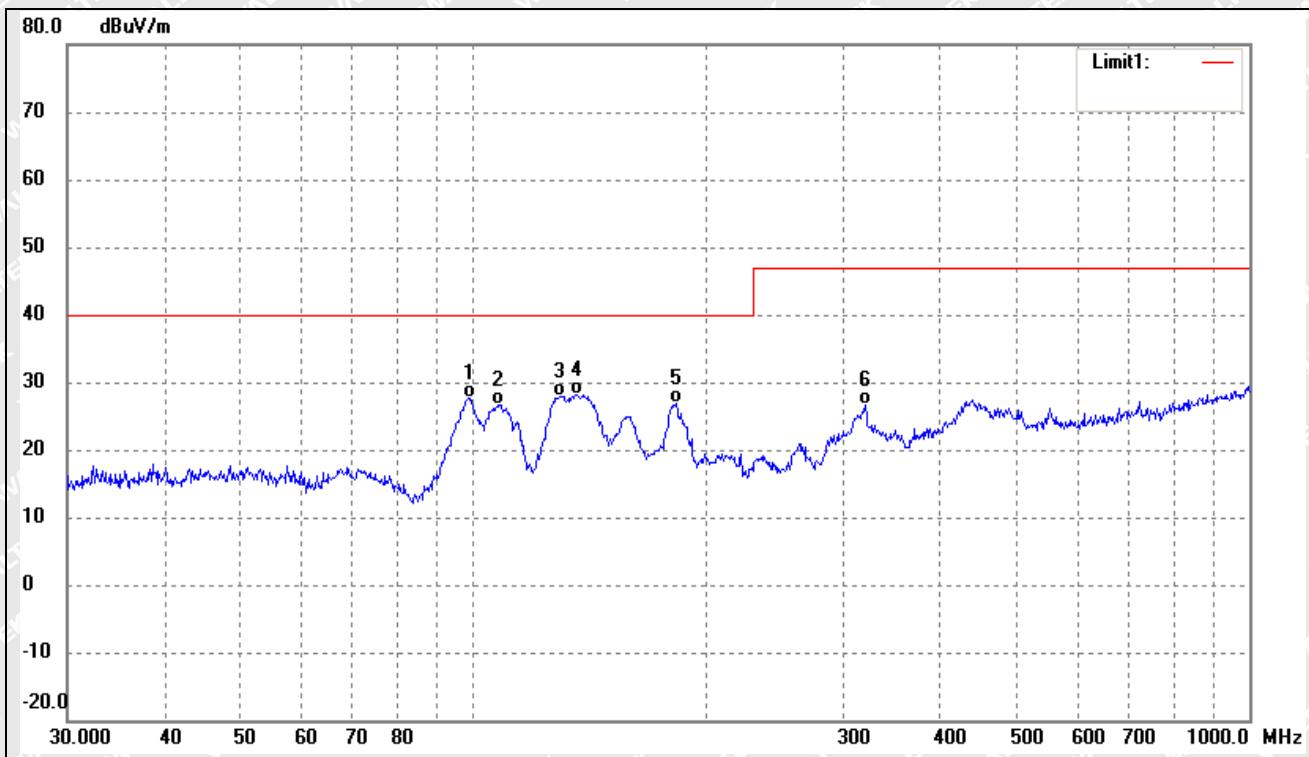
Test mode:	TM4	Polarity:	Vertical
------------	-----	-----------	----------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	82.3588	45.66	-14.65	31.01	40.00	-8.99	331	100	QP
2	91.8163	44.57	-12.69	31.88	40.00	-8.12	98	100	QP
3	114.1138	48.94	-13.15	35.79	40.00	-4.21	295	100	QP
4	129.4677	49.22	-14.76	34.46	40.00	-5.54	119	100	QP
5	142.3243	49.51	-15.21	34.30	40.00	-5.70	158	100	QP
6	297.2241	37.67	-9.42	28.25	47.00	-18.75	105	100	QP



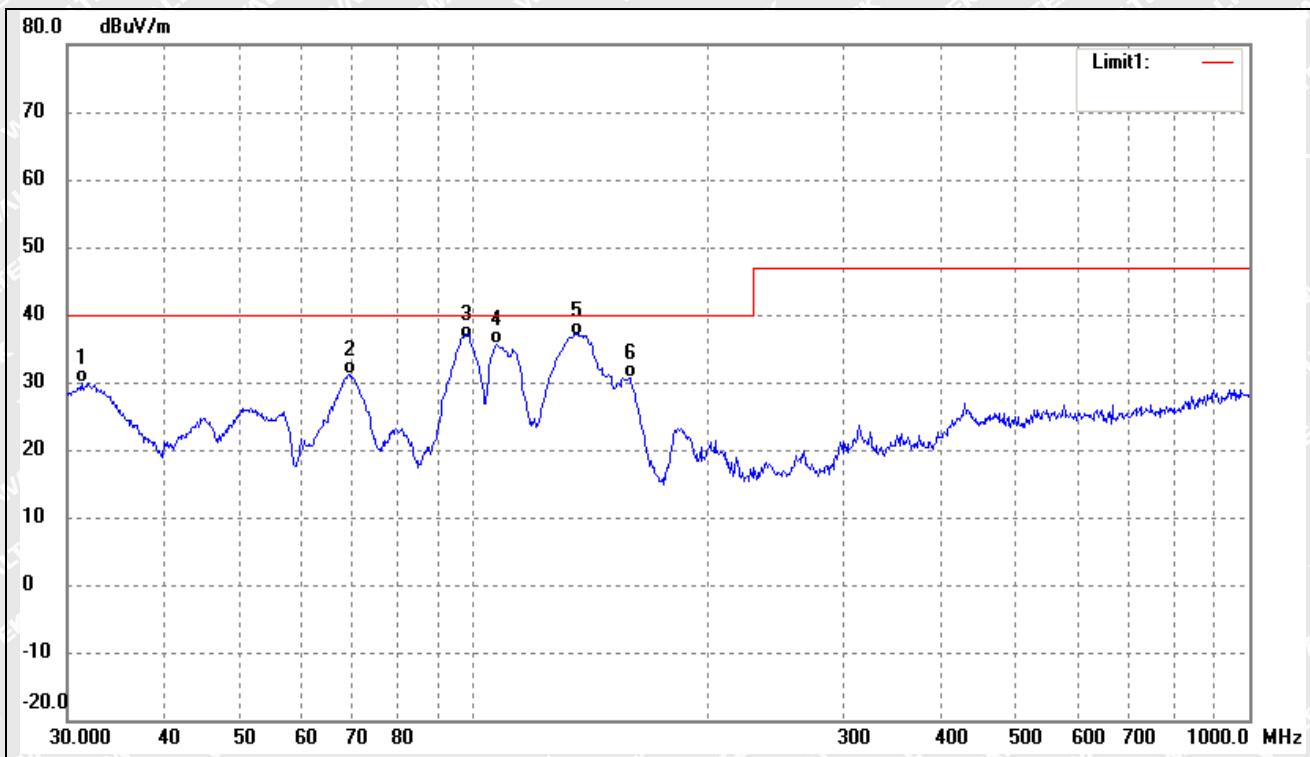
Test mode:	TM5	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	98.8326	39.86	-12.15	27.71	40.00	-12.29	317	100	QP
2	107.5101	39.15	-12.47	26.68	40.00	-13.32	172	100	QP
3	129.0146	42.70	-14.71	27.99	40.00	-12.01	60	100	QP
4	135.9822	43.19	-15.03	28.16	40.00	-11.84	313	100	QP
5	182.5592	40.59	-13.71	26.88	40.00	-13.12	297	100	QP
6	319.9370	35.41	-8.77	26.64	47.00	-20.36	189	100	QP



Test mode:	TM5	Polarity:	Vertical
------------	-----	-----------	----------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree	Height (cm)	Remark
1	31.2893	42.25	-12.45	29.80	40.00	-10.20	57	100	QP
2	69.3568	46.42	-15.31	31.11	40.00	-8.89	118	100	QP
3	98.1419	48.70	-12.20	36.50	40.00	-3.50	87	100	QP
4	107.1337	48.03	-12.46	35.57	40.00	-4.43	350	100	QP
5	135.9822	52.03	-15.03	37.00	40.00	-3.00	84	100	QP
6	159.2251	45.45	-14.84	30.61	40.00	-9.39	98	100	QP



5. Harmonic Current Emissions

5.1 Test Procedure

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

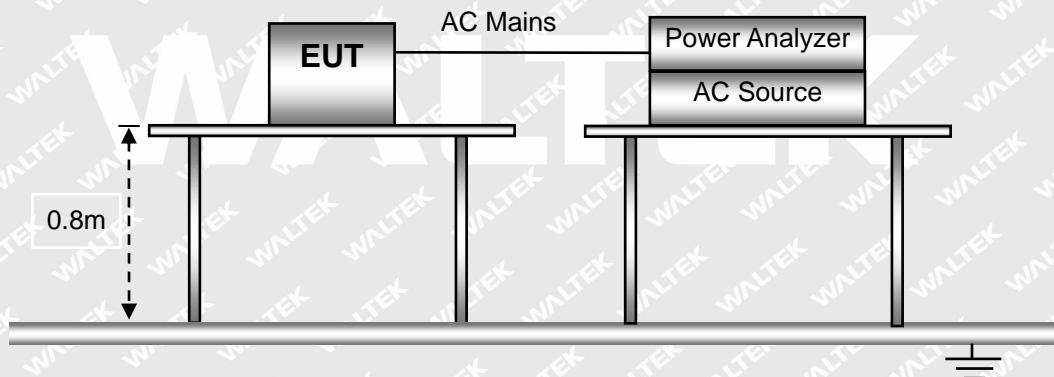
5.2 Test Standards

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

5.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1022 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 deemed to fully fit the requirements of the standards.

Result: The EUT is compliant 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.

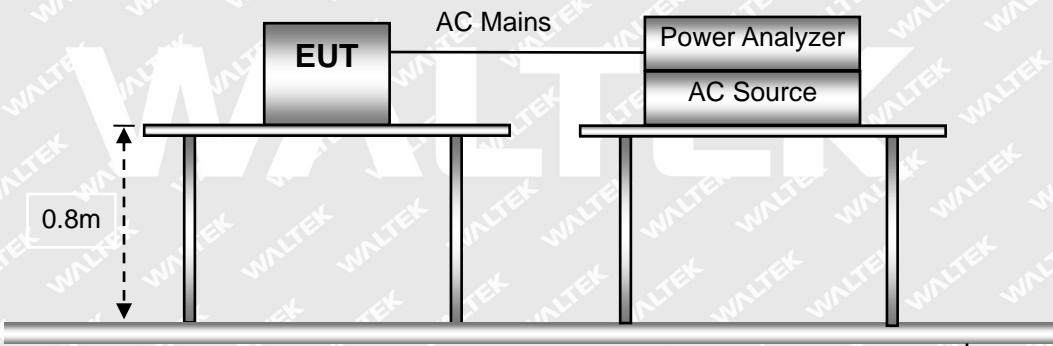
6.2 Test Standards

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

6.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1022 mbar

6.4 Basic Test Setup Block Diagram



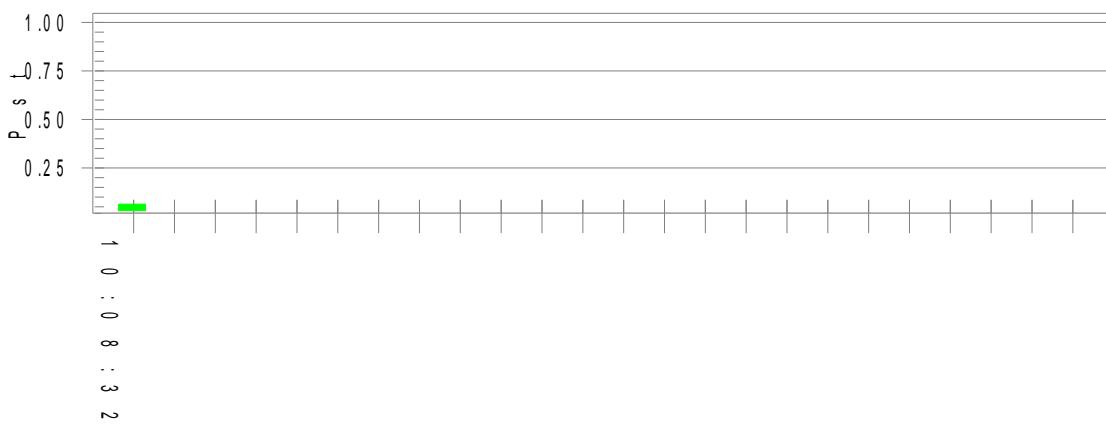
6.5 Voltage Fluctuation and Flicker Test Data



GTM96600-3005-R3A-CF

Test mode:

TM1

Flicker Test Summary per EN/IEC61000-3-3 Ed. 3.0 (2013) (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): 231.57**

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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass



GTM96600-6512-R3A-CF

Test mode:

TM2

Flicker Test Summary per EN/IEC61000-3-3 Ed. 3.0 (2013) (Run time)**Test Result: Pass****Status: Test Completed****Pst₁ and limit line****European Limits****Plt and limit line****Parameter values recorded during the test:****Vrms at the end of test (Volt): 231.58**

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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

Waltek Testing Group (Shenzhen) Co., Ltd.

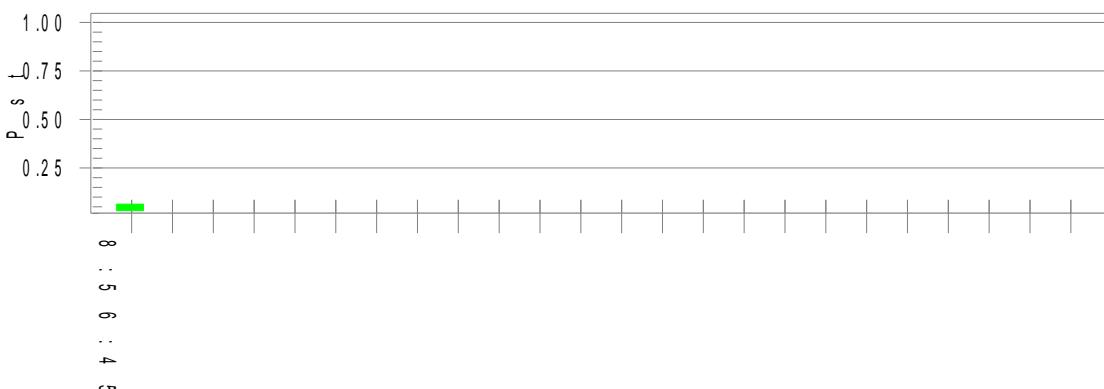
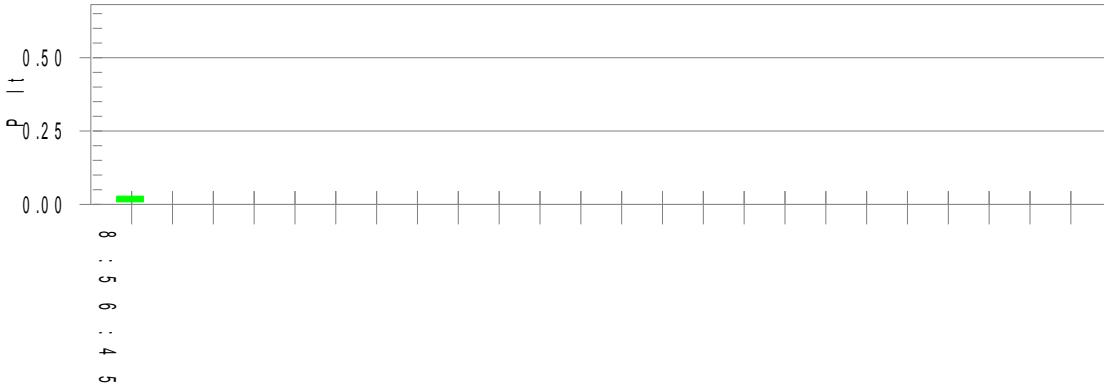
[Http://www.waltek.com.cn](http://www.waltek.com.cn)



GTM96600-6054-R3A-CF

Test mode:

TM3

Flicker Test Summary per EN/IEC61000-3-3 Ed. 3.0 (2013) (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): 231.45

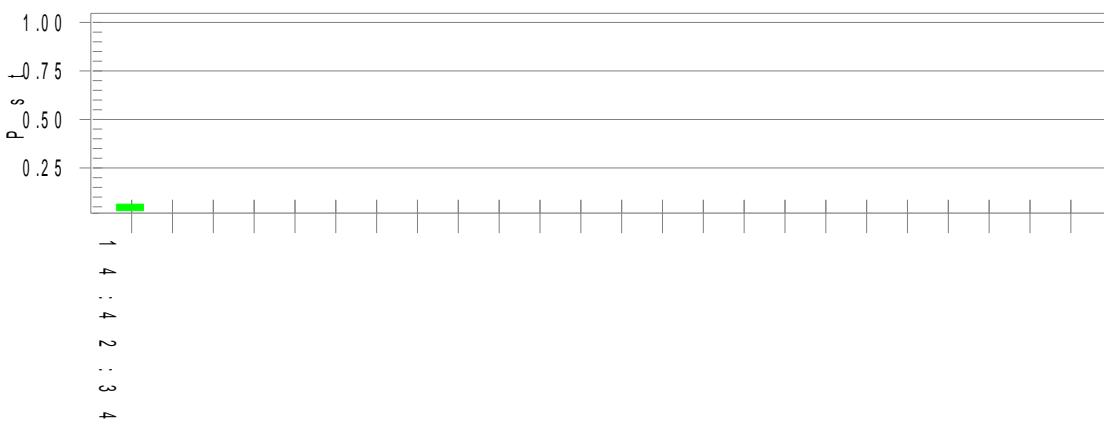
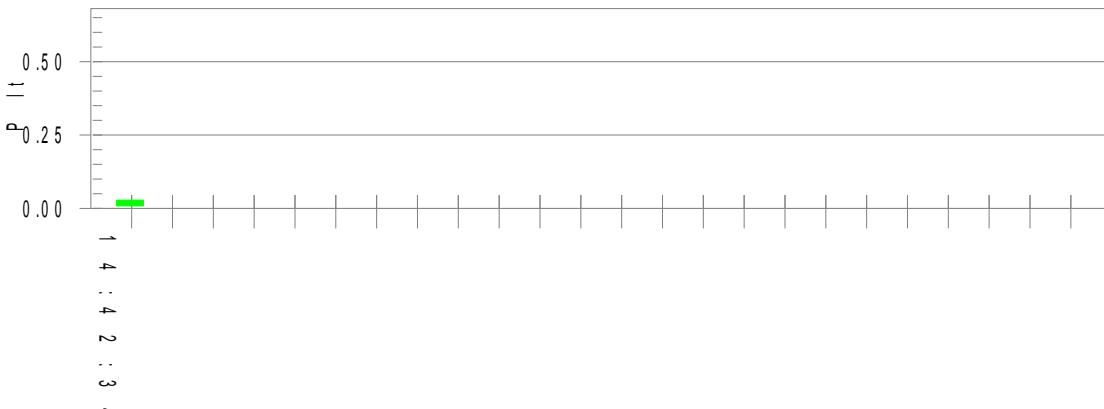
T-max (mS):	0	Test limit (mS):	500.0	Pass
Highest dc (%):	0.00	Test limit (%):	3.30	Pass
Highest dmax (%):	0.00	Test limit (%):	4.00	Pass
Highest Pst (10 min. period):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass



GTM96600-6030-R3A-CF

Test mode:

TM4

Flicker Test Summary per EN/IEC61000-3-3 Ed. 3.0 (2013) (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): 230.00

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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass



7. Electrostatic Discharges (ESD)

7.1 Test Procedure

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

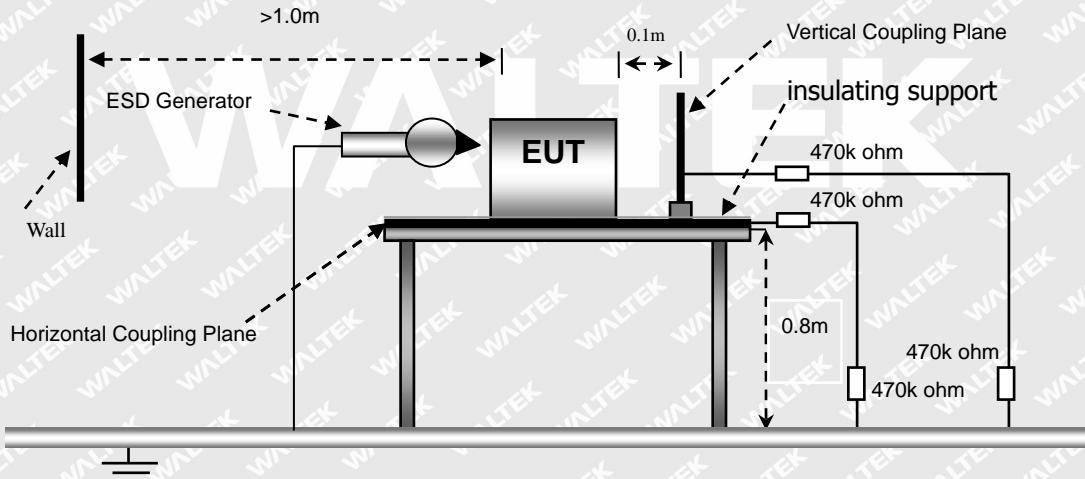
7.2 Test Performance

Performance Criterion: B

7.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 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 Levels (kV)									
Test Points		-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Surface crack	A	A	A	A	B	B	B	B	/	/	/

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2		Test Levels (kV)									
Test Points		-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Output Port	A	A	A	A	/	/	/	/	/	/	/

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

EN 61000-4-2		Test Levels (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

**GTM96600-6030-R3A-CF(TM4/TM5)**

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2 Test Points	Test Levels (kV)									
	-4	+4	-8	+8	-15	+15	-18	+18	-20	+20
Gap	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2 Test Points	Test Levels (kV)									
	-2	+2	-4	+4	-6	+6	-8	+8	-10	+10
Output Port	A	A	A	A	A	A	A	A	A	A

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

EN 61000-4-2 Test Points	Test Levels (kV)									
	-2	+2	-4	+4	-6	+6	-8	+8	-10	+10
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 conducting under the description of EN 61000-4-3.

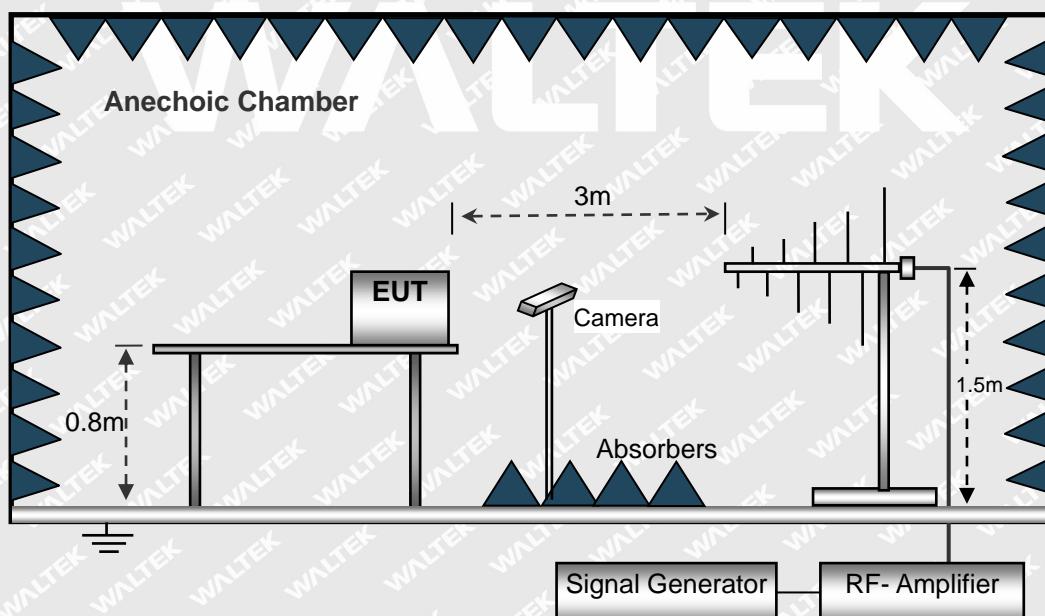
8.2 Test Performance

Performance Criterion: A

8.3 Environmental Conditions

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

GTM96600-6030-R3A-CF(TM4/TM5)

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.

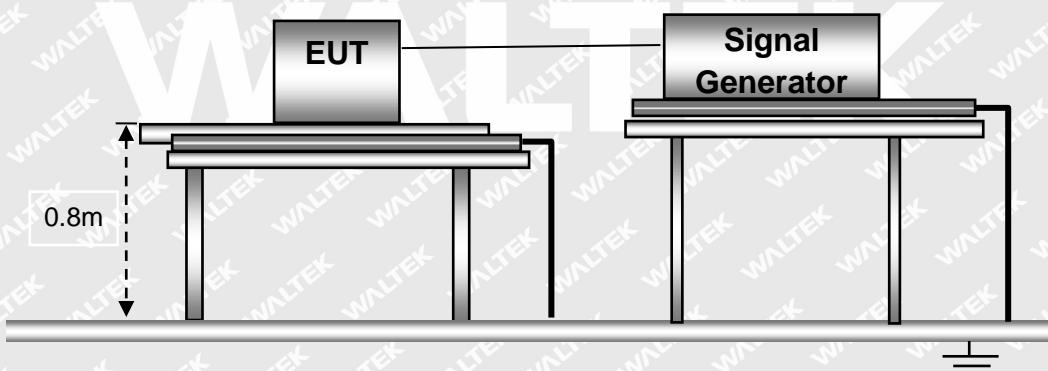
9.2 Test Performance

Performance Criterion: B

9.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
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 Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply	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	/	/	/	/	/	/	/	/	/

GTM96600-6030-R3A-CF (TM4/TM5)

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply	L1	/	/	A	A	A	A	A	A
	L2	/	/	A	A	A	A	A	A
	PE	/	/	A	A	A	A	A	A
	L1+L2	/	/	A	A	A	A	A	A
	L1 + PE	/	/	A	A	A	A	A	A
	L2 + PE	/	/	A	A	A	A	A	A
	L1+L2+PE	/	/	A	A	A	A	A	A
Signal ports	/	/	/	/	/	/	/	/	/

Test Result: Pass



10. Surges

10.1 Test Procedure

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

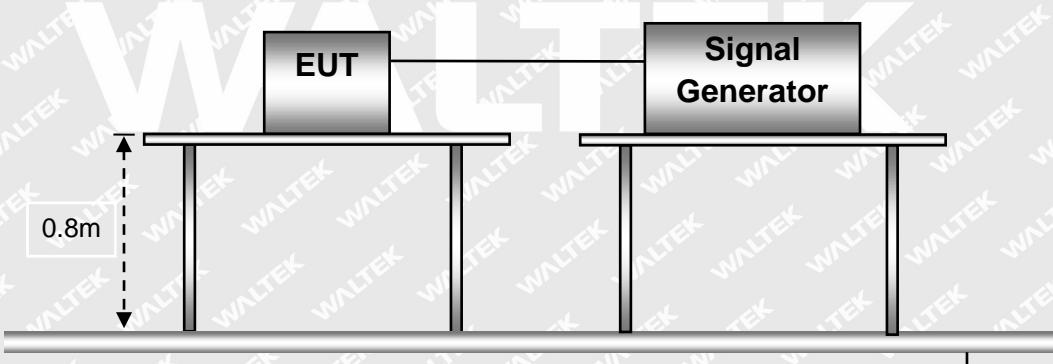
10.2 Test Performance

Performance Criterion: B

10.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 mbar

10.4 Basic Test Setup Block Diagram





10.5 Surge Test Data

AC Port

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	/	/	/
2	1kV	±	L-N	A	/
3	2kV	±	L-PE, N-PE	B	/
4	4kV	±	/	/	/

GTM96600-6030-R3A-CF (TM4/TM5)

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N,L-PE, N-PE	A	/
2	1kV	±	L-N,L-PE, N-PE	A	/
3	2kV	±	L-N,L-PE, N-PE	A	/
4	4kV	±	L-PE, N-PE	A	/

Test Result: Pass

WALTEK



11. Continuous induced RF disturbances (C/S)

11.1 Test Procedure

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

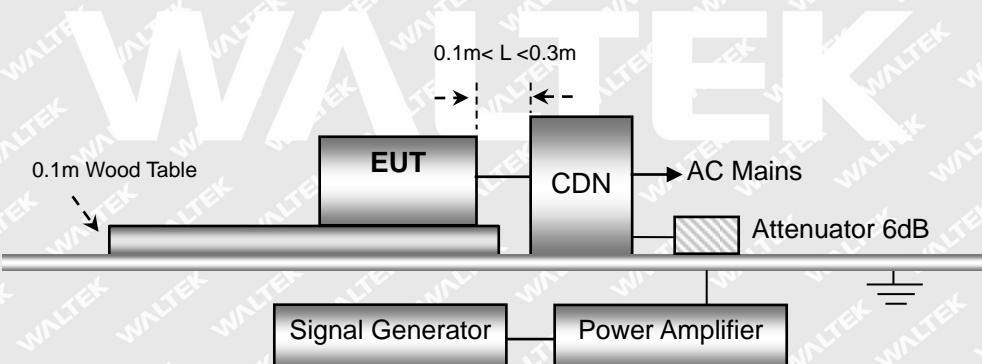
11.2 Test Performance

Performance Criterion: A

11.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 mbar

11.4 Basic Test Setup Block Diagram





11.5 Continuous Conducted Disturbances Test Data

Sweep frequency range: 0.15 MHz to 10 MHz 3 V; 10 MHz to 30 MHz 3 V to 1 V; 30 MHz to 80 MHz 1V

Frequency step: 1% of fundamental

Dwell time: 1 second

Frequency MHz	Injected Position	Level	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

GTM96600-6030-R3A-CF (TM4/TM5)

Frequency MHz	Injected Position	Level	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.

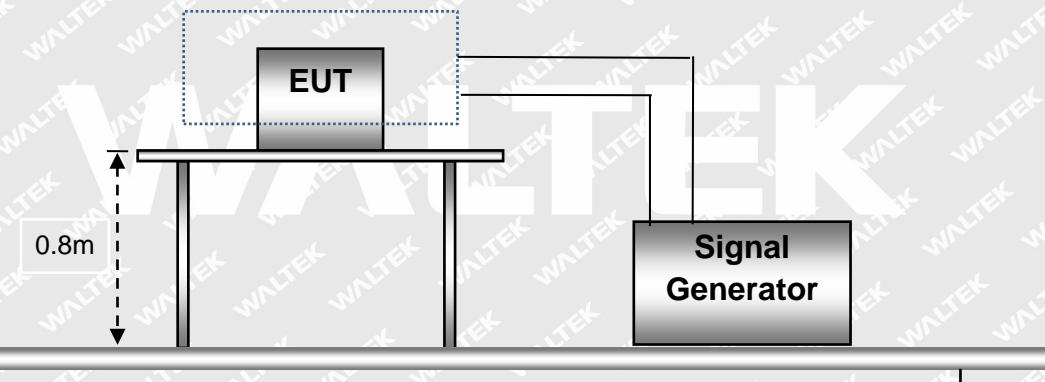
12.2 Test Performance

Performance Criterion: A

12.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 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	/		/	/

GTM96600-6030-R3A-CF (TM4/TM5)

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.

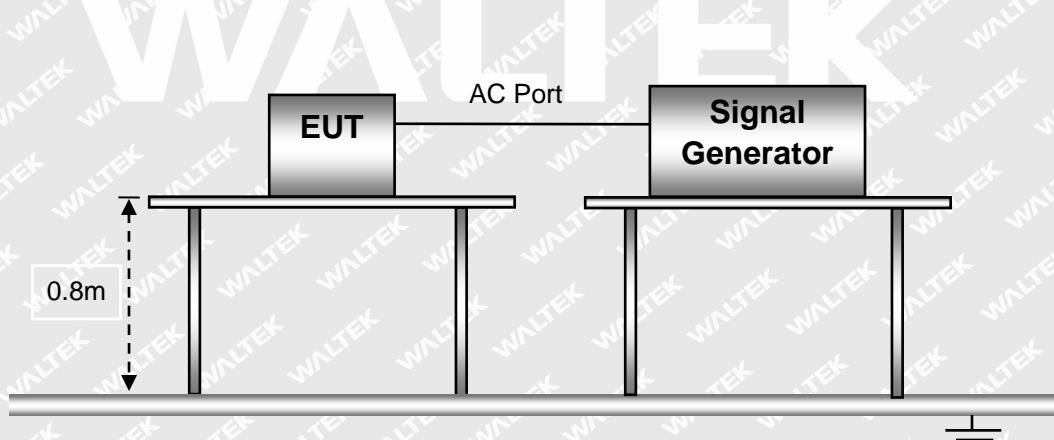
13.2 Test Performance

Performance Criterion: B/C

13.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 mbar

13.4 Basic Test Setup Block Diagram





13.5 Voltage Dips And Interruptions Test Data

U: Voltage 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	/

GTM96600-6030-R3A-CF (TM4/TM5)

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

ICT/ITE/Medical Power Supply
Model: GT*96600-****
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

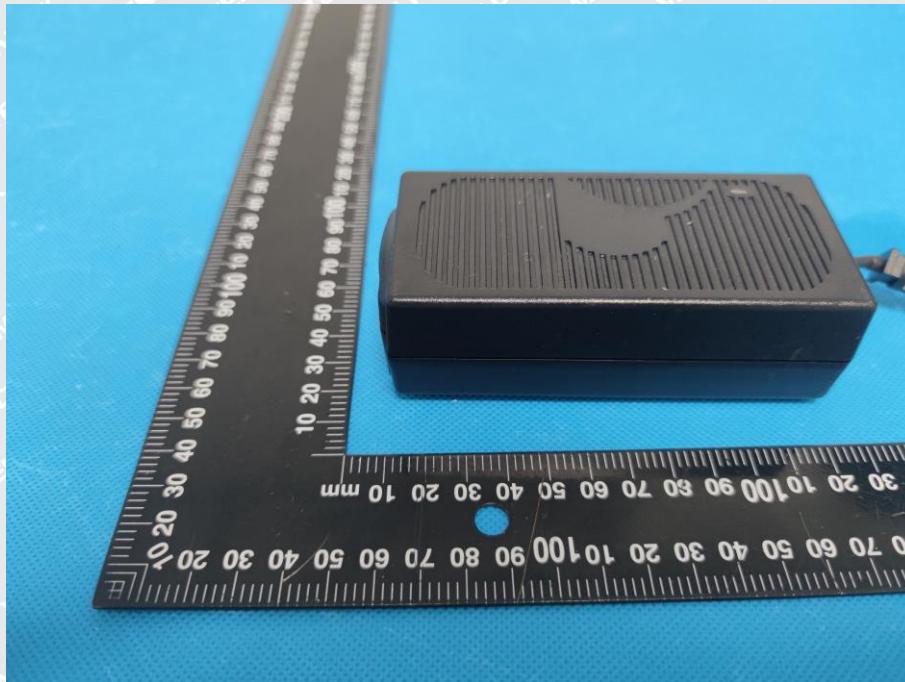




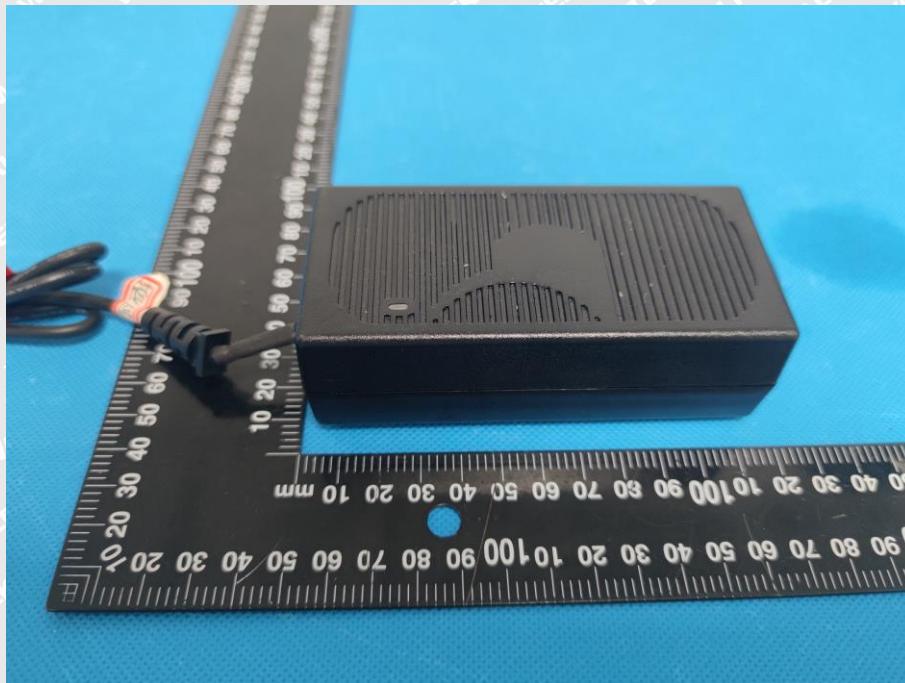
EXHIBIT 2 - EUT PHOTOGRAPHS

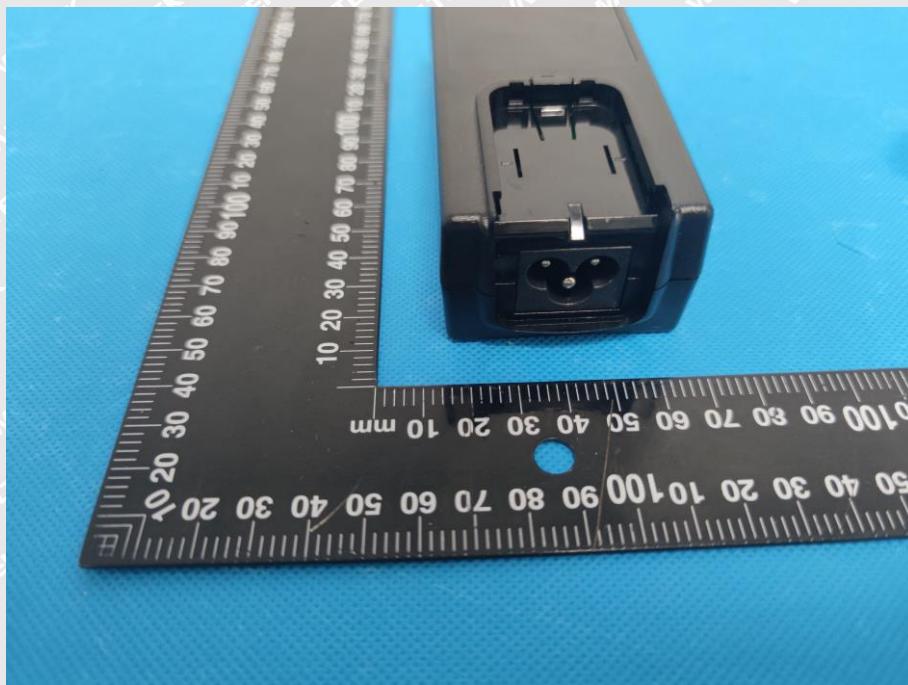
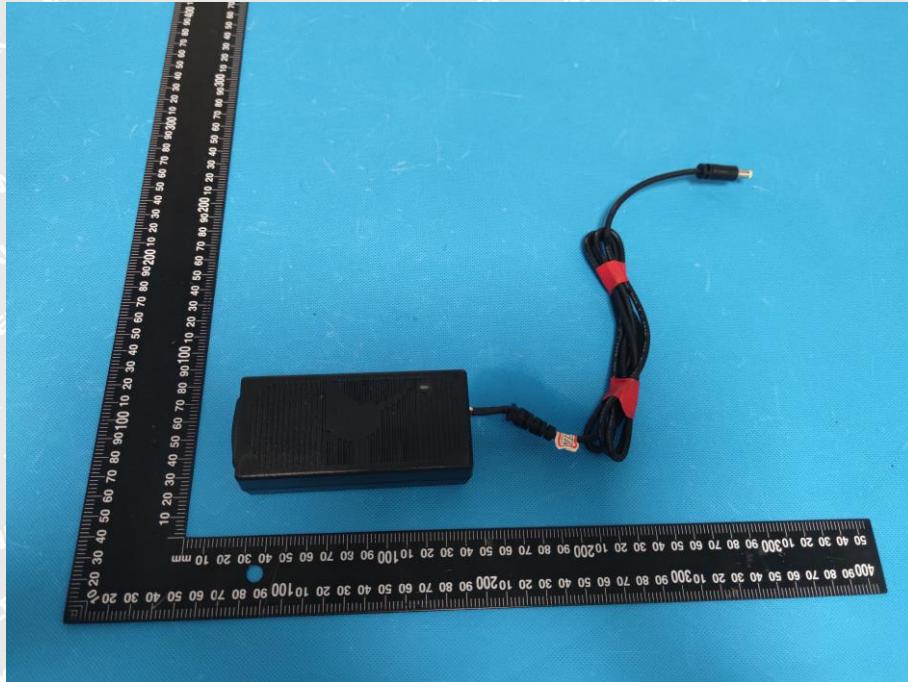
GTM96600-3005-R3A-CF

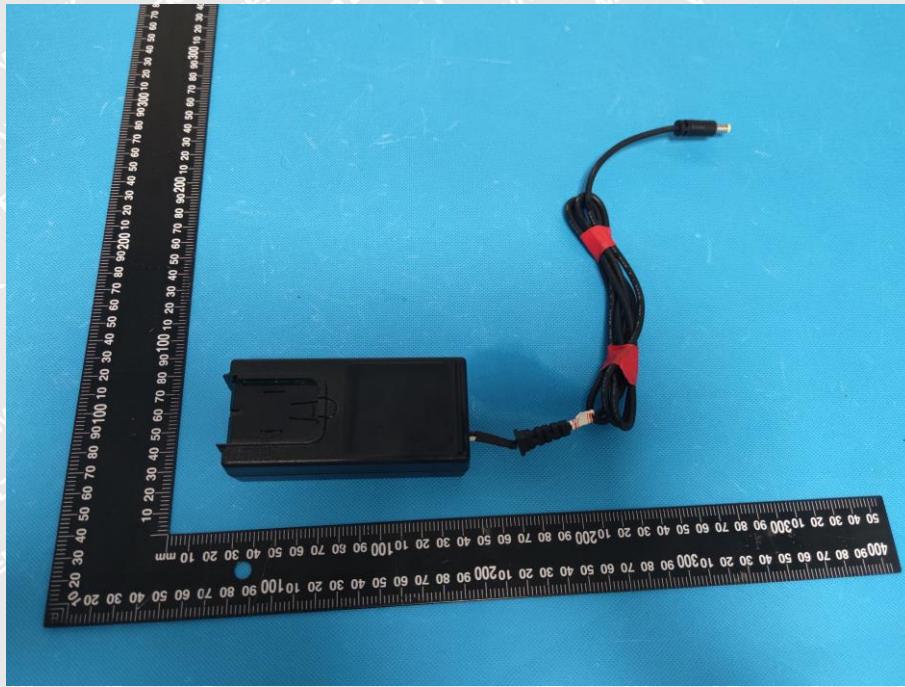
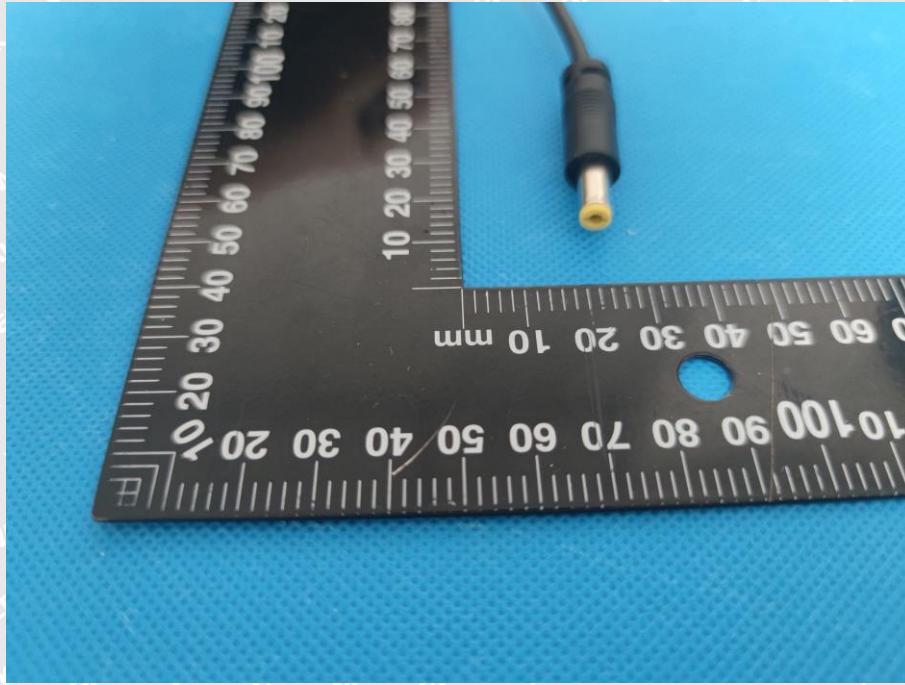
EUT View 1

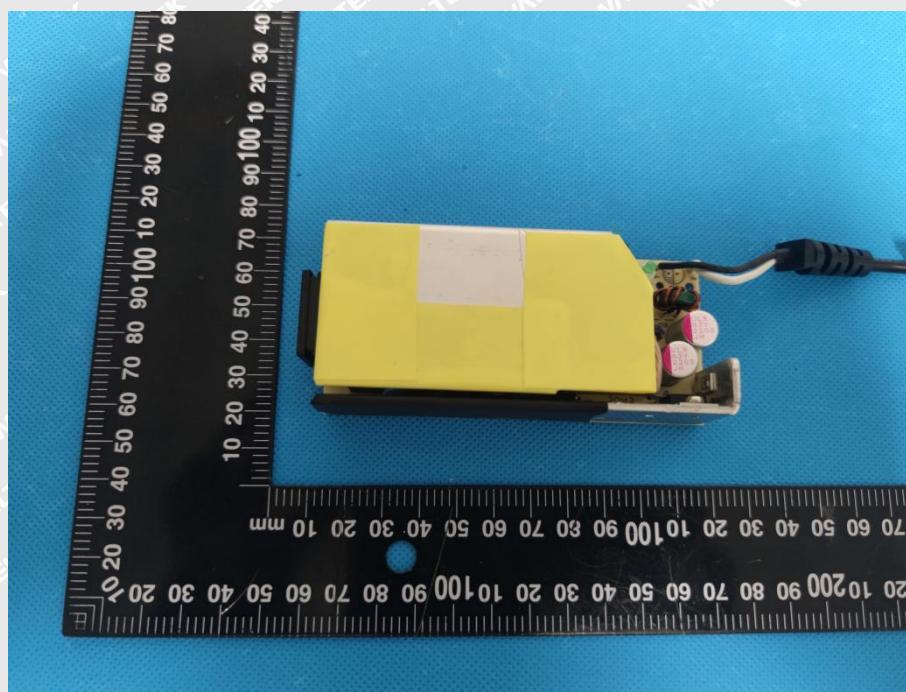
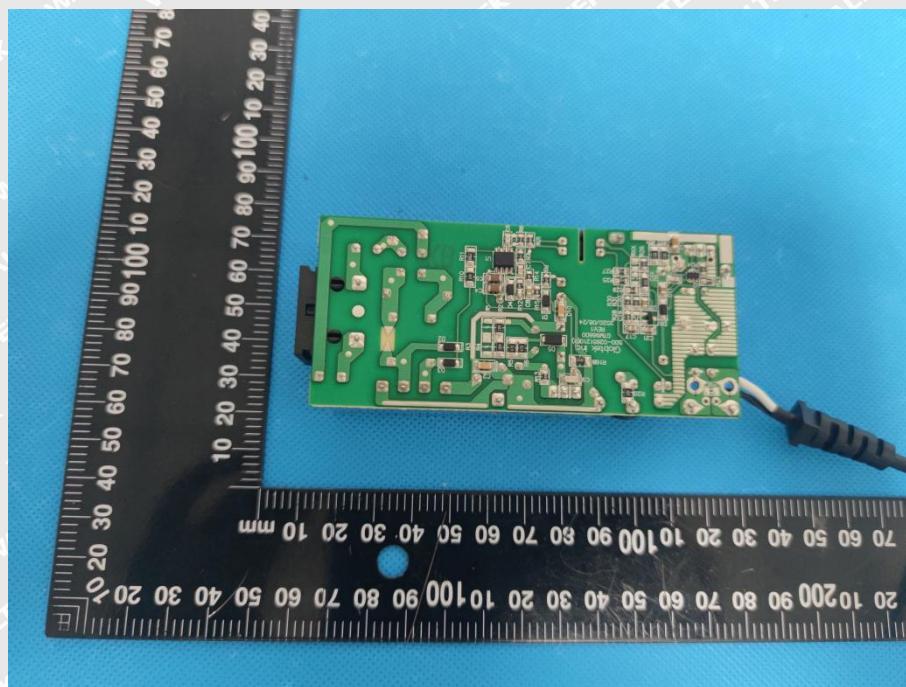


EUT View 2



**EUT View 3****EUT View 4**

**EUT View 5****EUT View 6**

**EUT Housing and Board View 1****Solder Board-Component View 1**

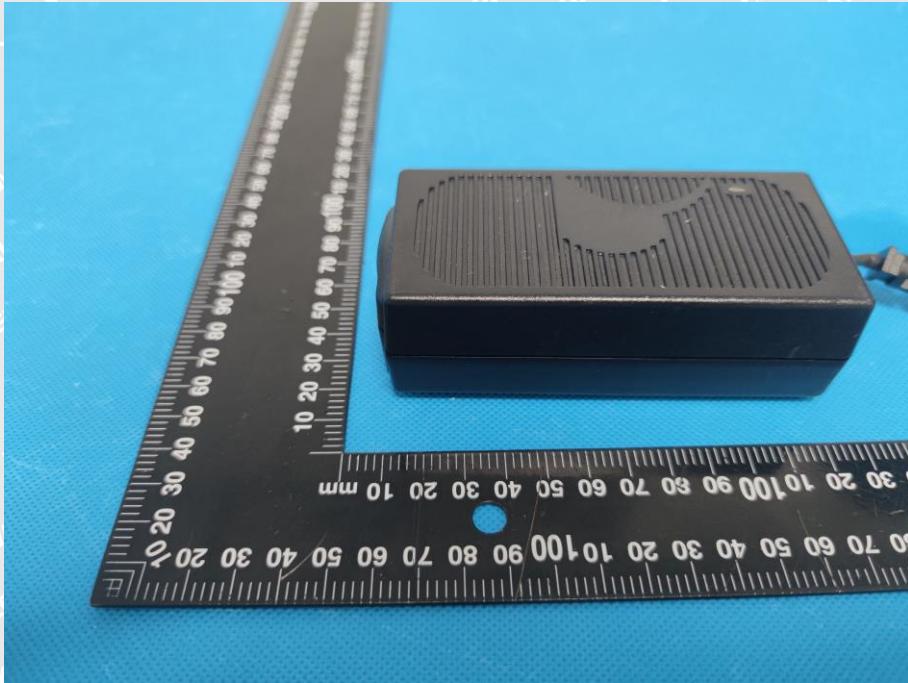


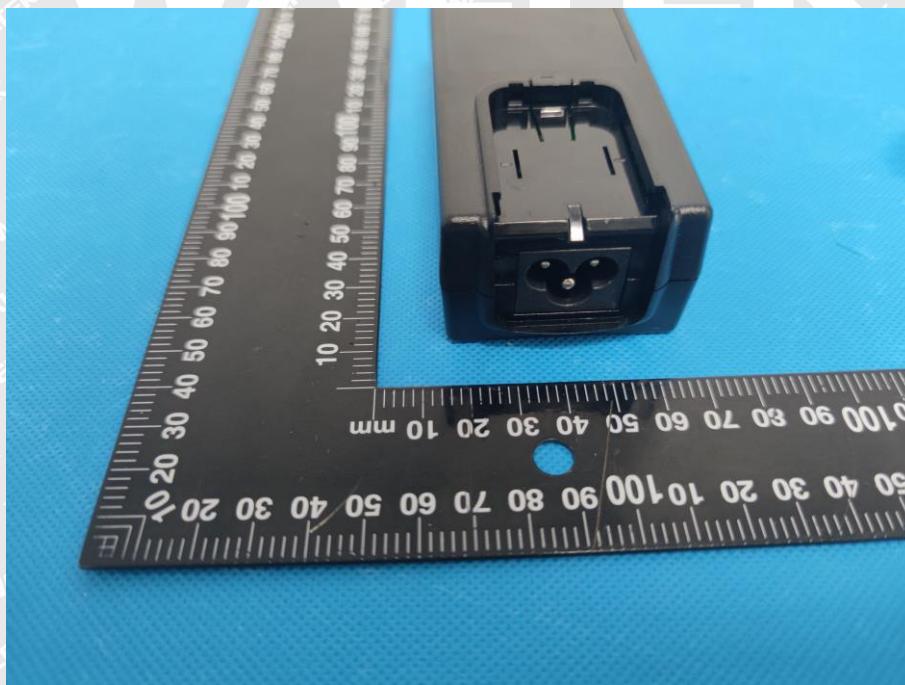
GTM96600-6512-R3A-CF

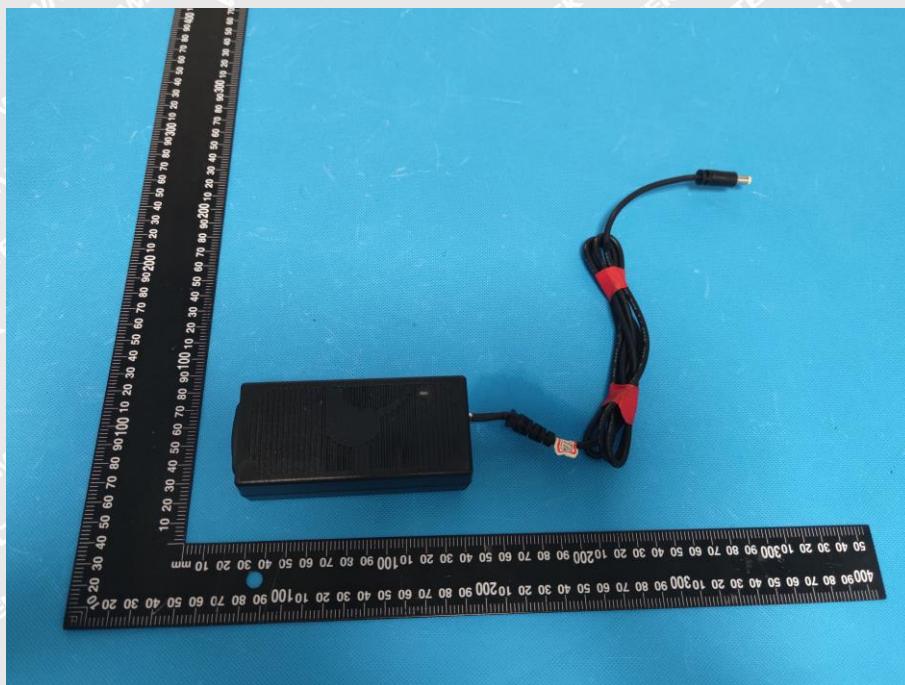
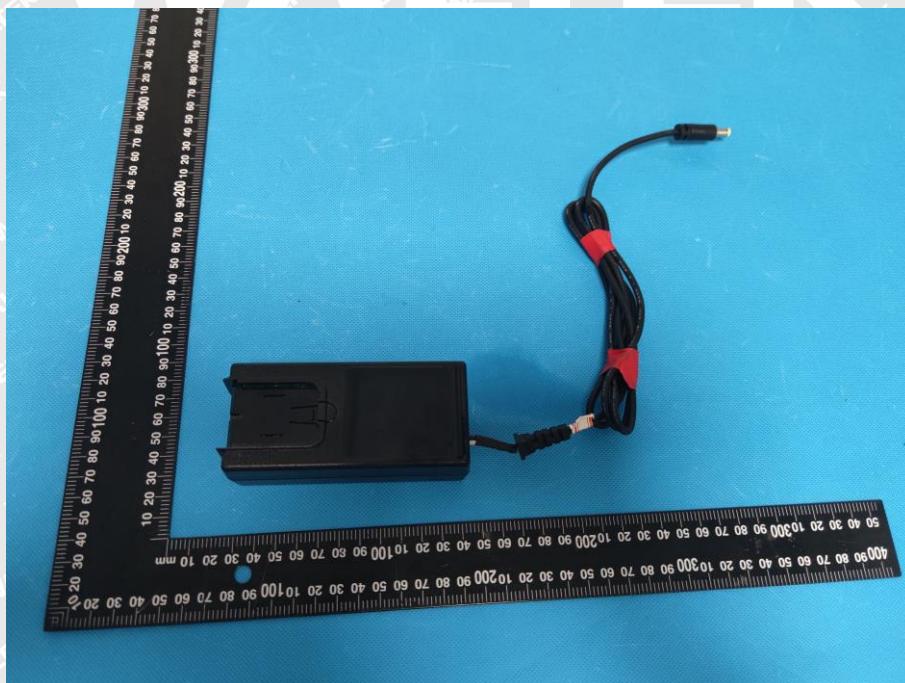
EUT View 1



EUT View 2

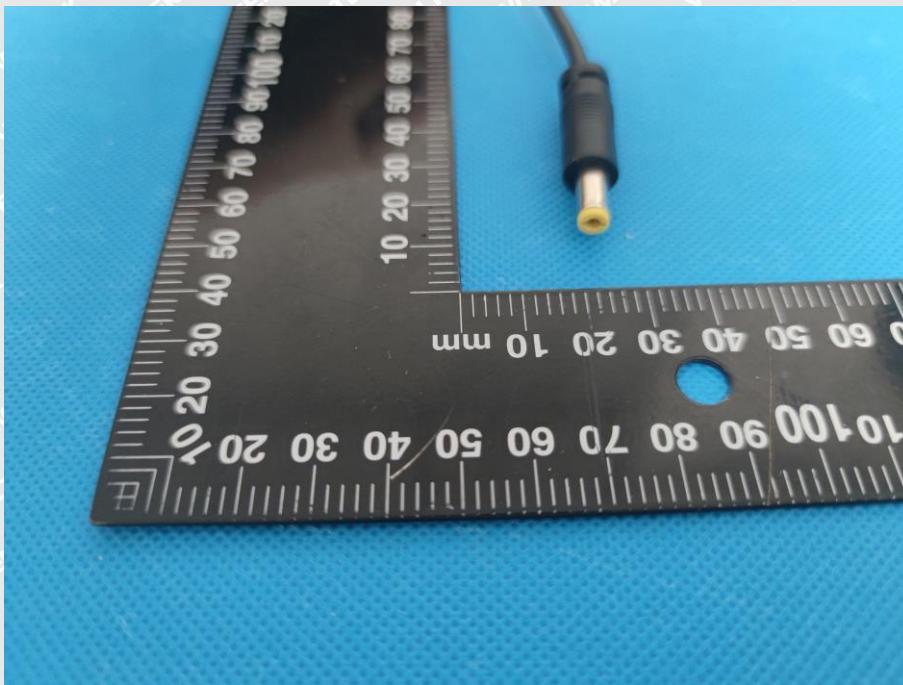


**EUT View 3****EUT View 4**

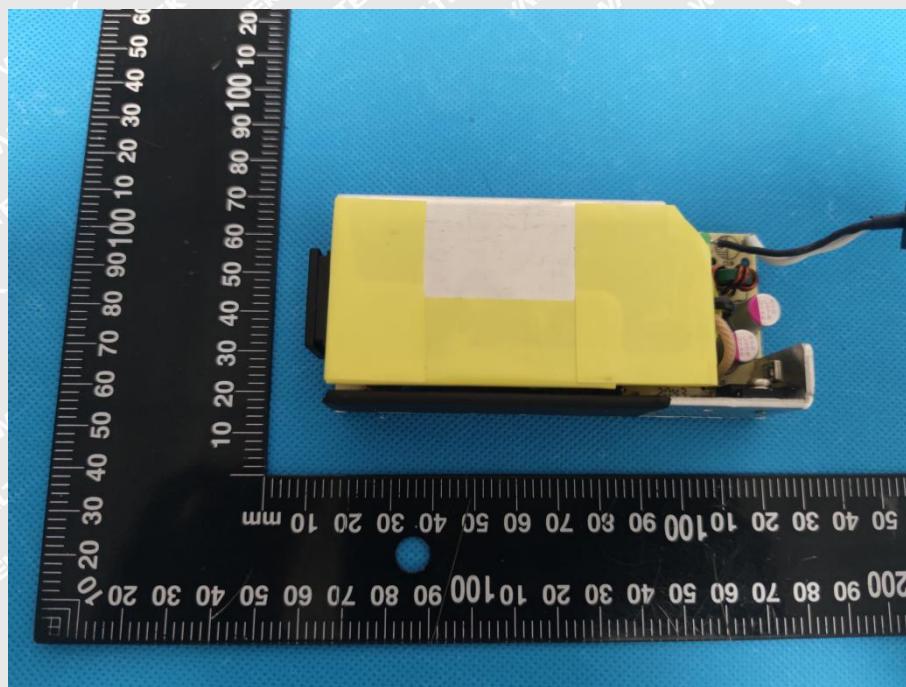
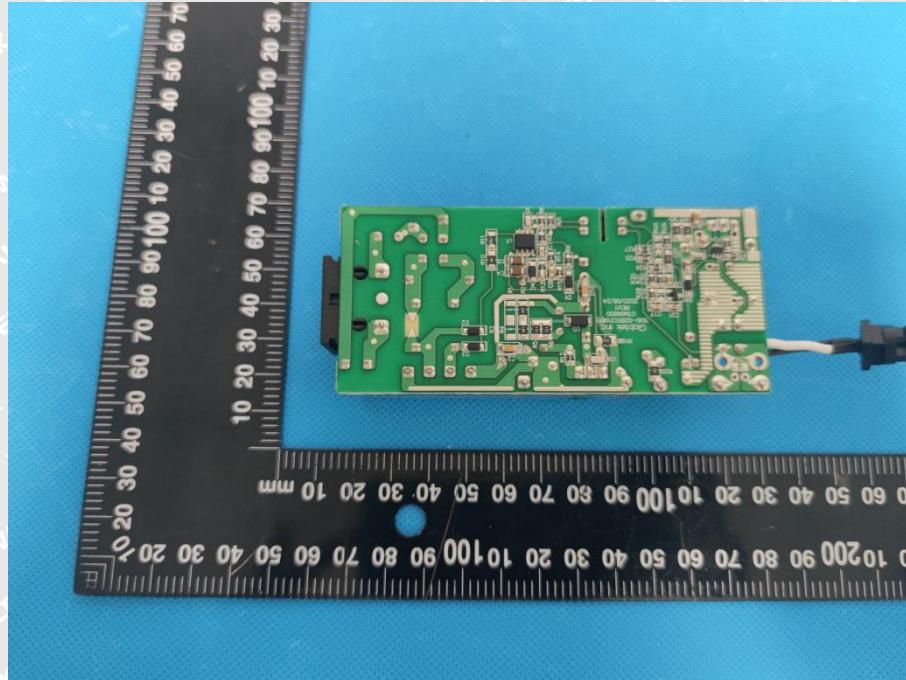
**EUT View 5****EUT View 6**

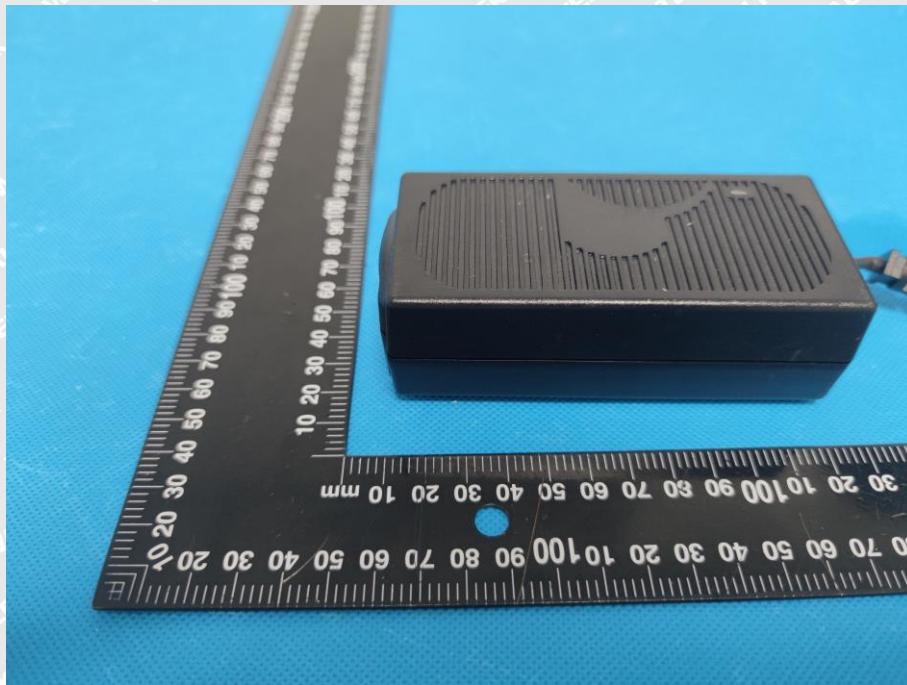


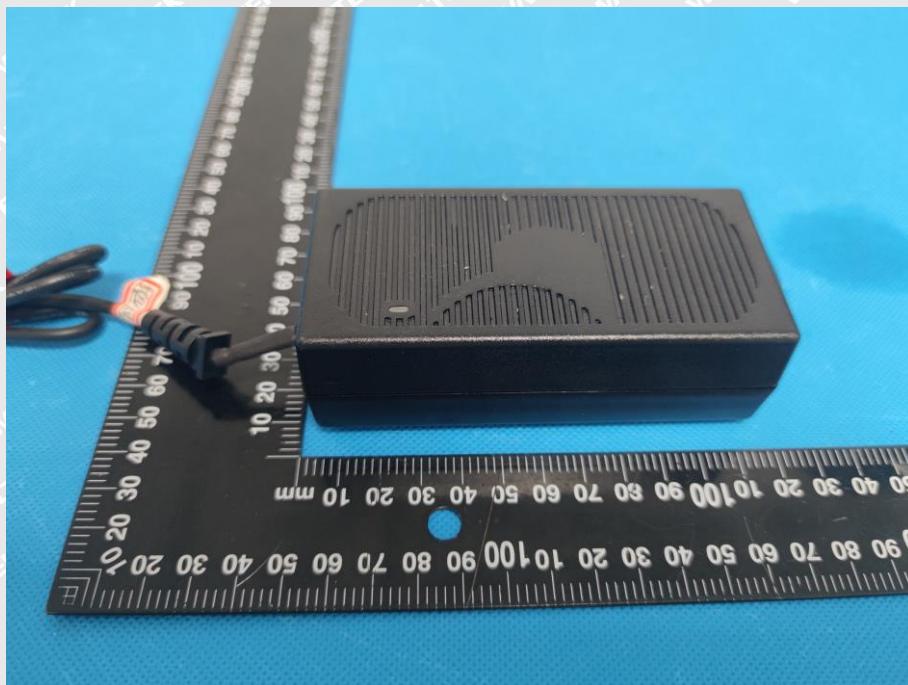
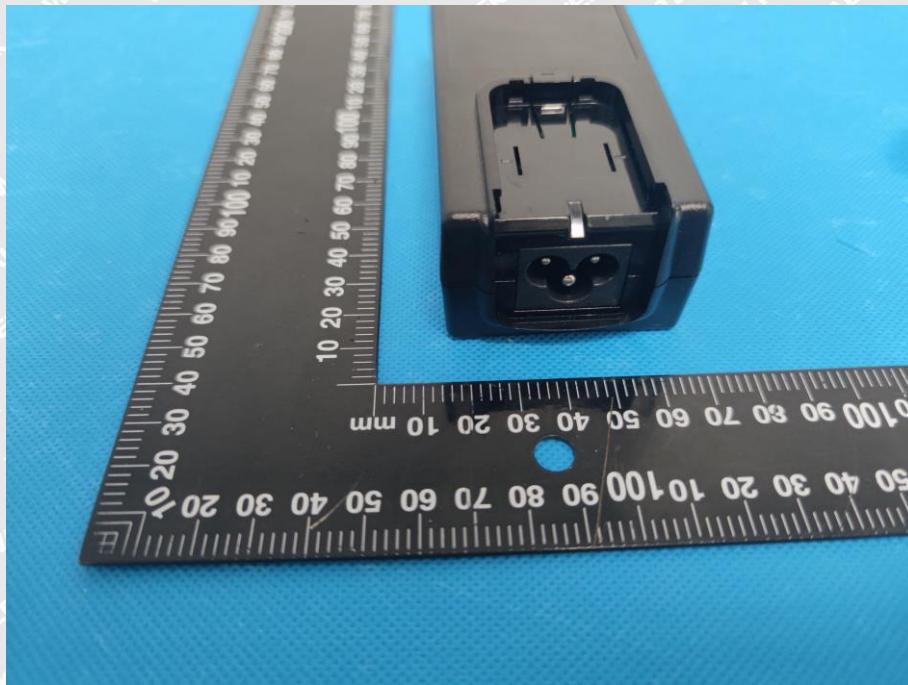
EUT View 7

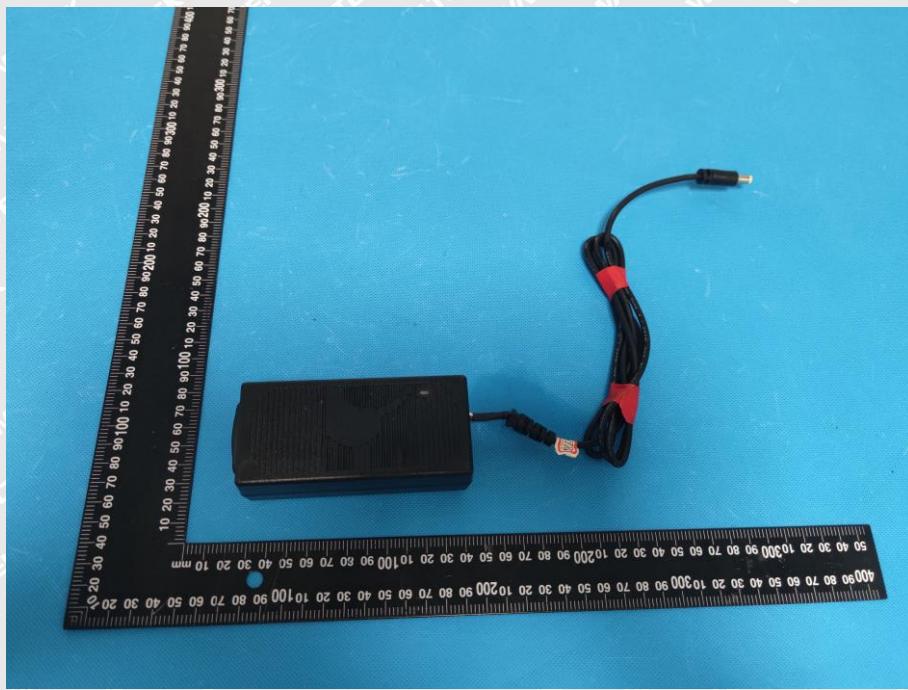
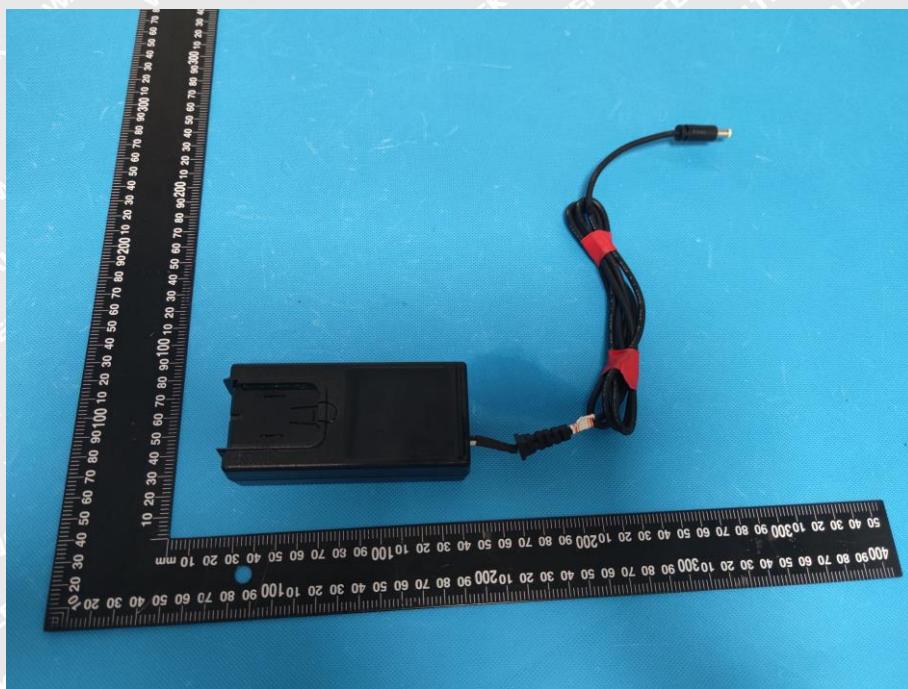


WALTEK

**EUT Housing and Board View 1****Solder Board-Component View 1**

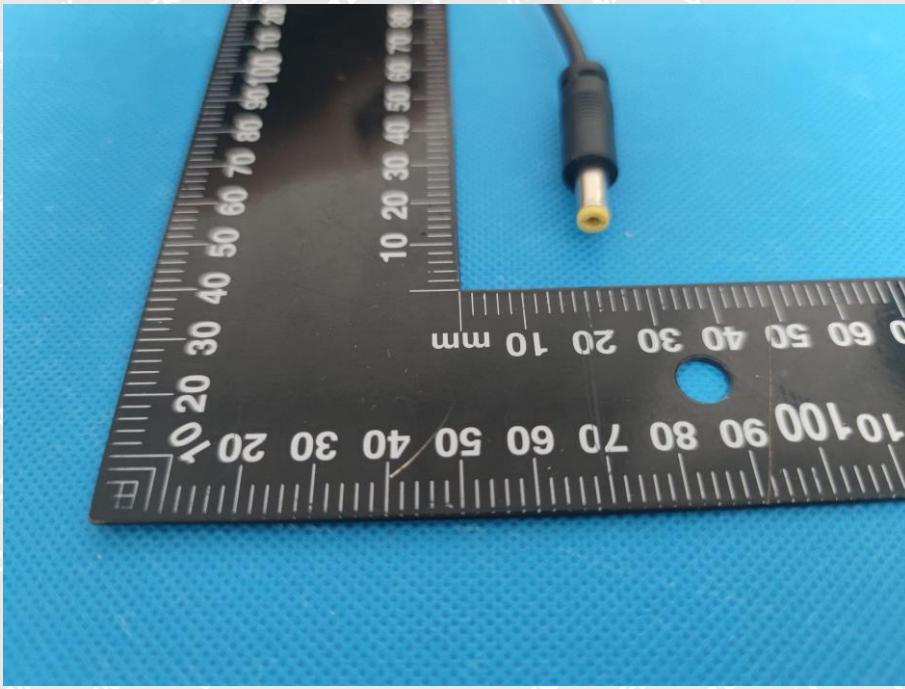
**GTM96600-6054-R3A-CF****EUT View 1****EUT View 2**

**EUT View 3****EUT View 4**

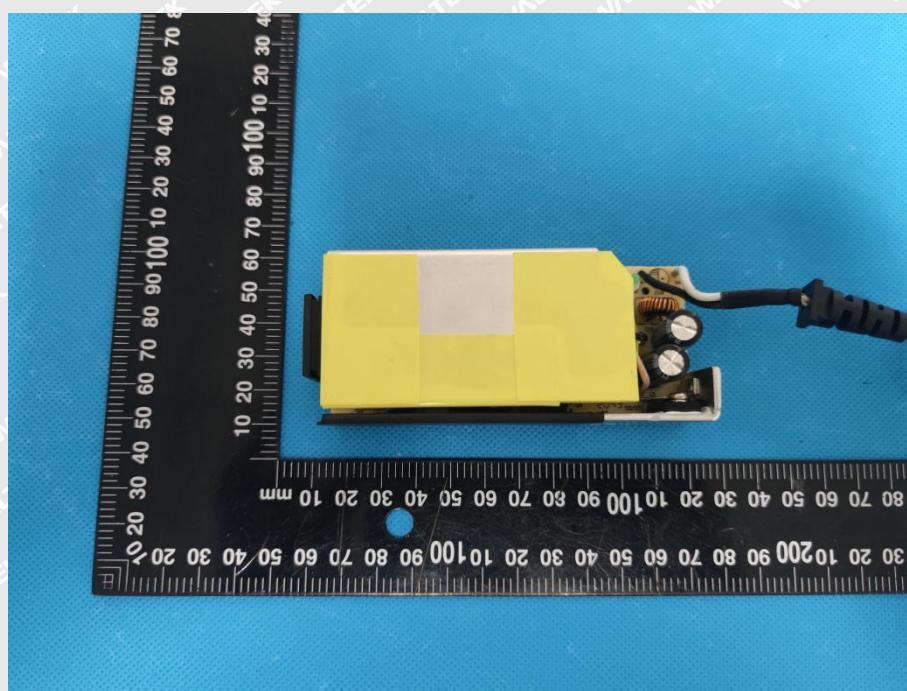
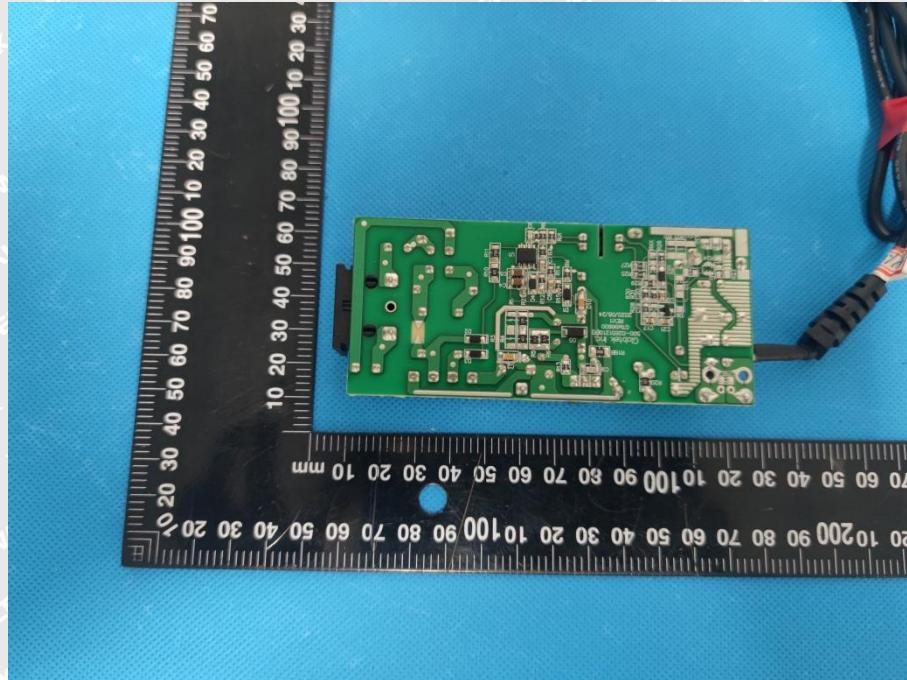
**EUT View 5****EUT View 6**



EUT View 7



WALTEK

**EUT Housing and Board View 1****Solder Board-Component View 2**

**GTM96600-6030-R3A-CF****EUT View 1****EUT View 2**

**EUT View 3****EUT View 4**

**EUT View 5****WALTEK**

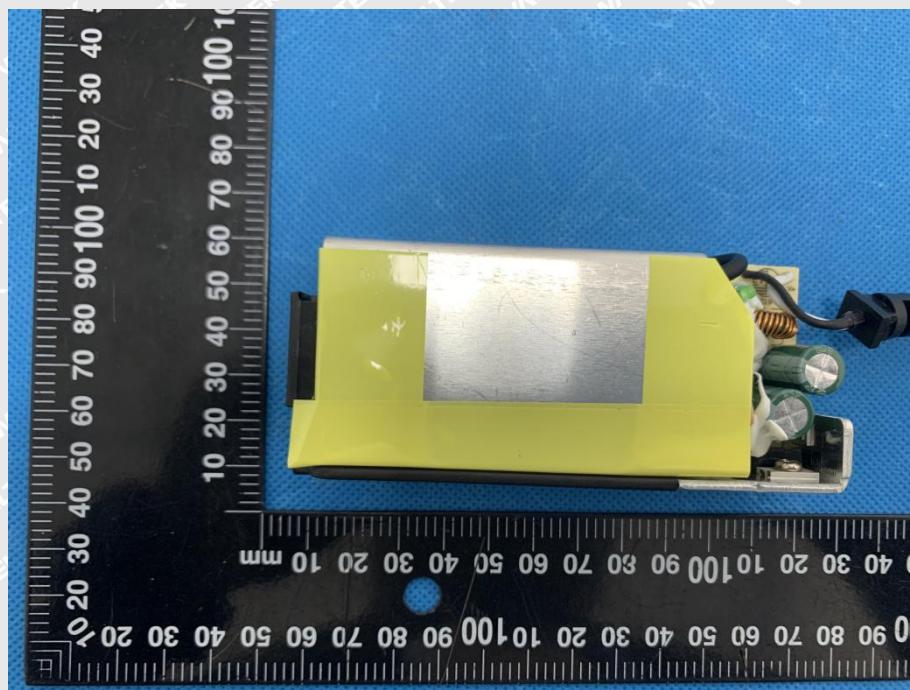
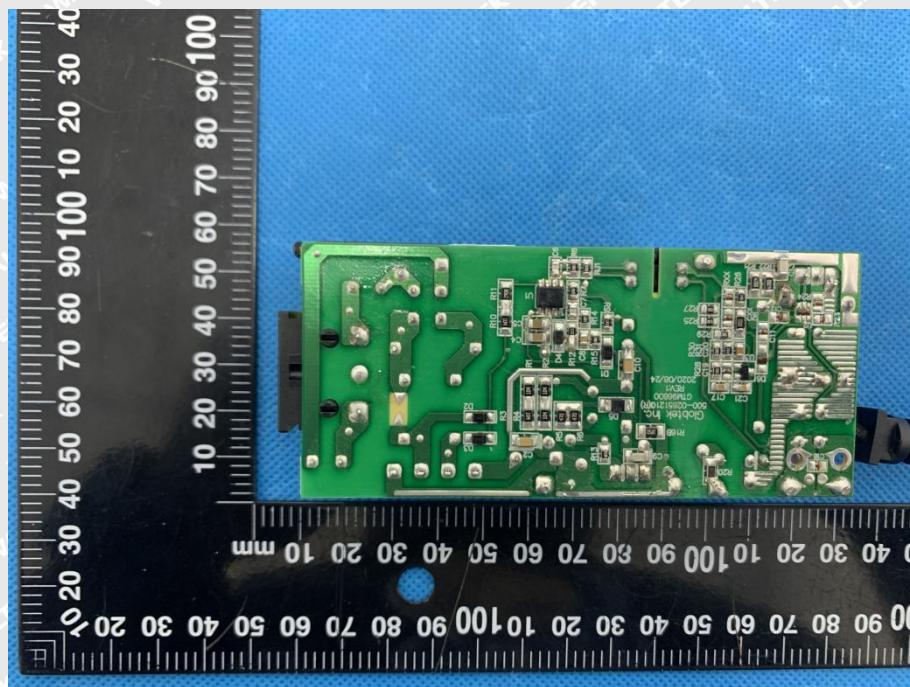
**Solder Board-Component View 1****Solder Board-Component View 2**

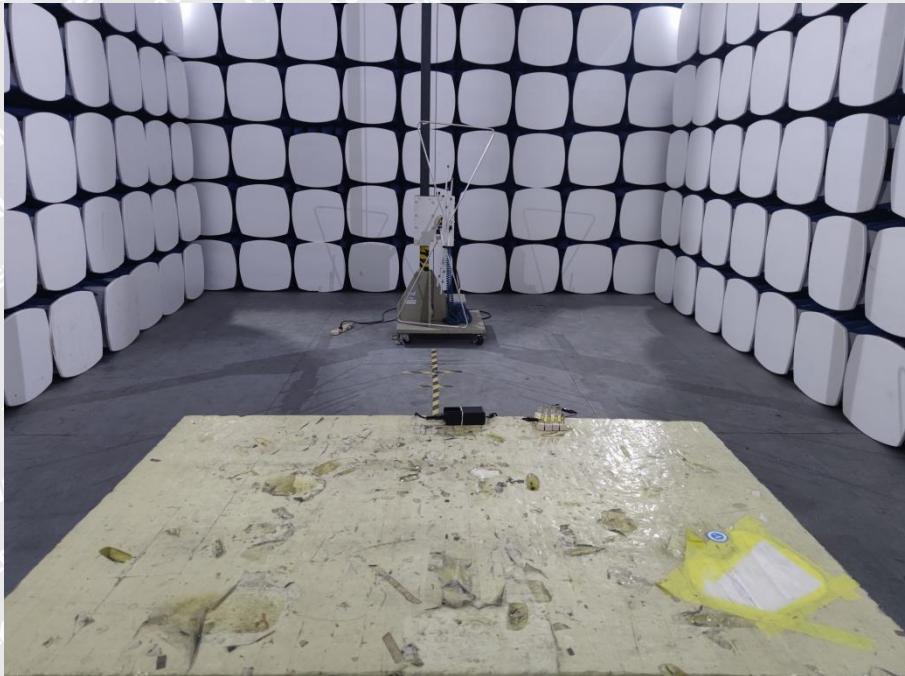


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

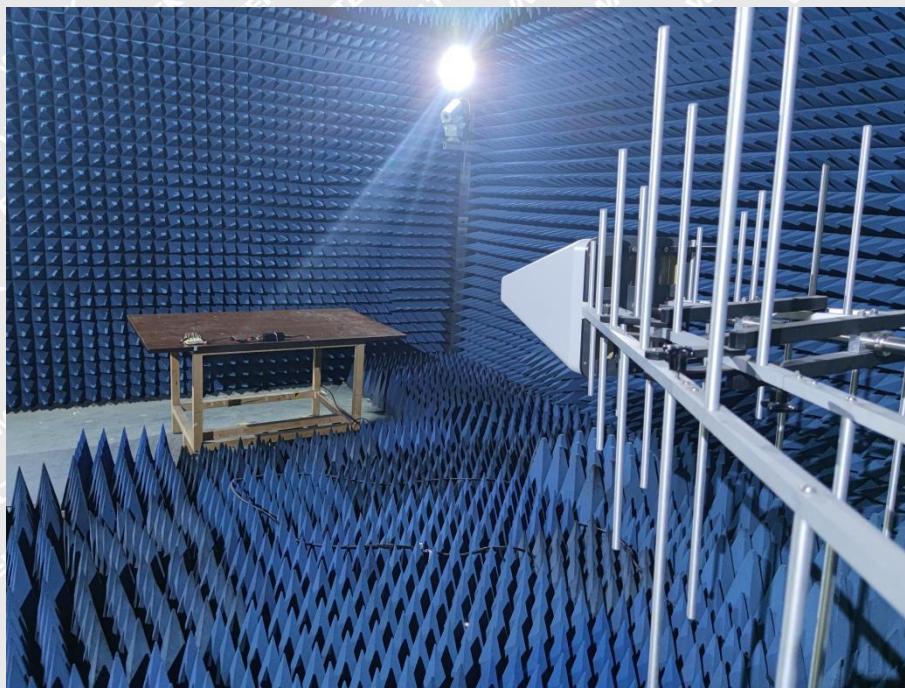
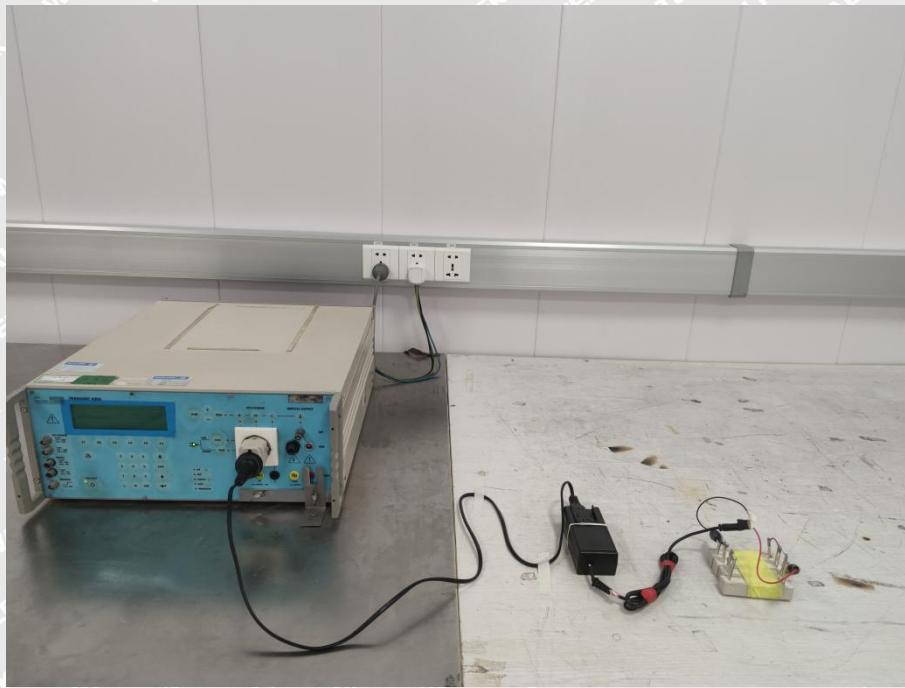
Conduction Emission Test View

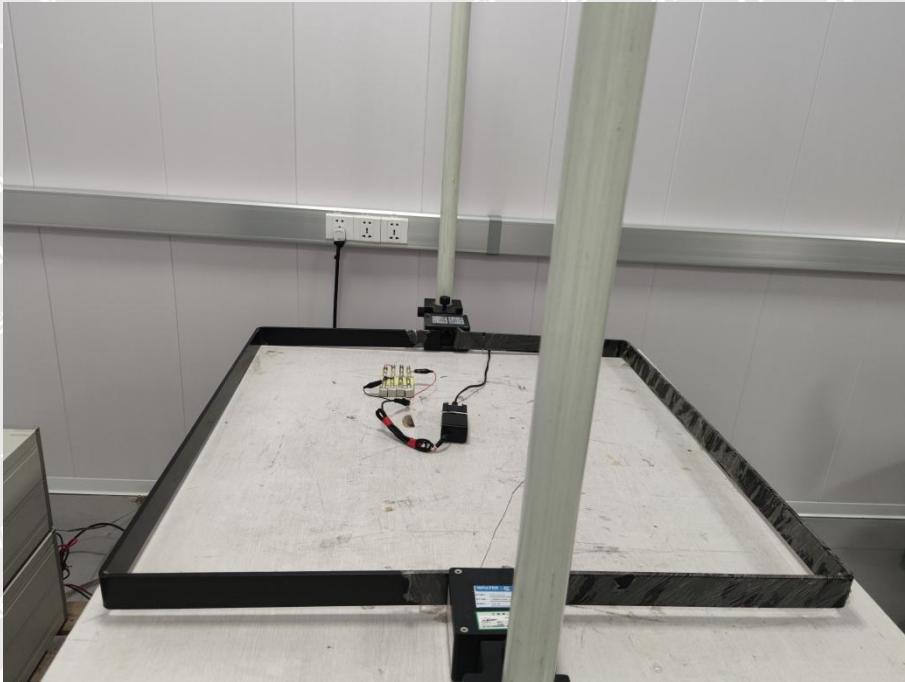


Radiation Emission Test View



**Harmonic/Flicker Test View****EN 61000-4-2 Test View**

**EN 61000-4-3 Test View****EN 61000-4-4/5/11 Test View**

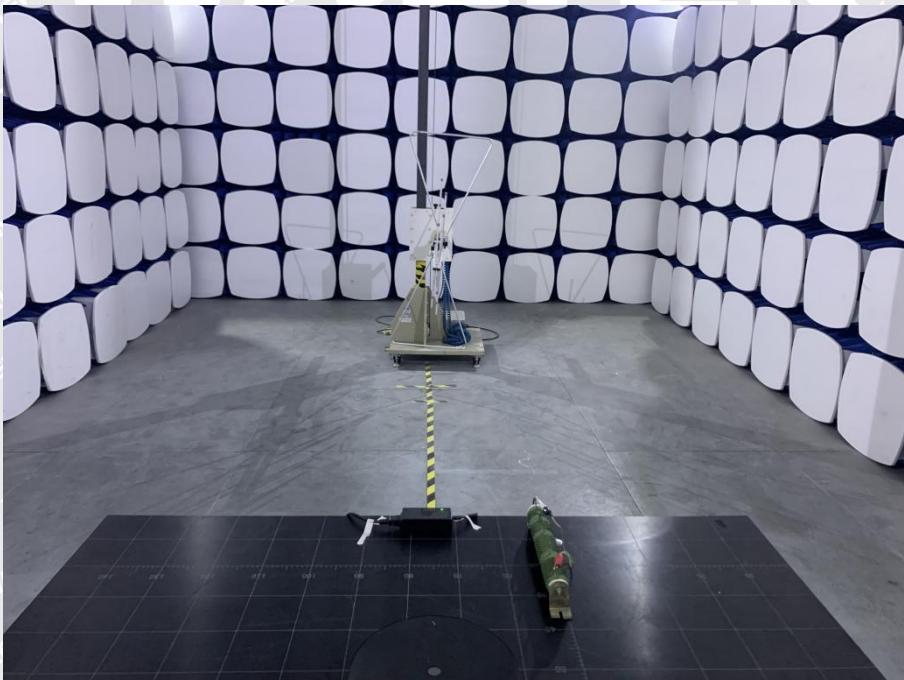
**EN 61000-4-6 Test View****EN 61000-4-8 Test View**



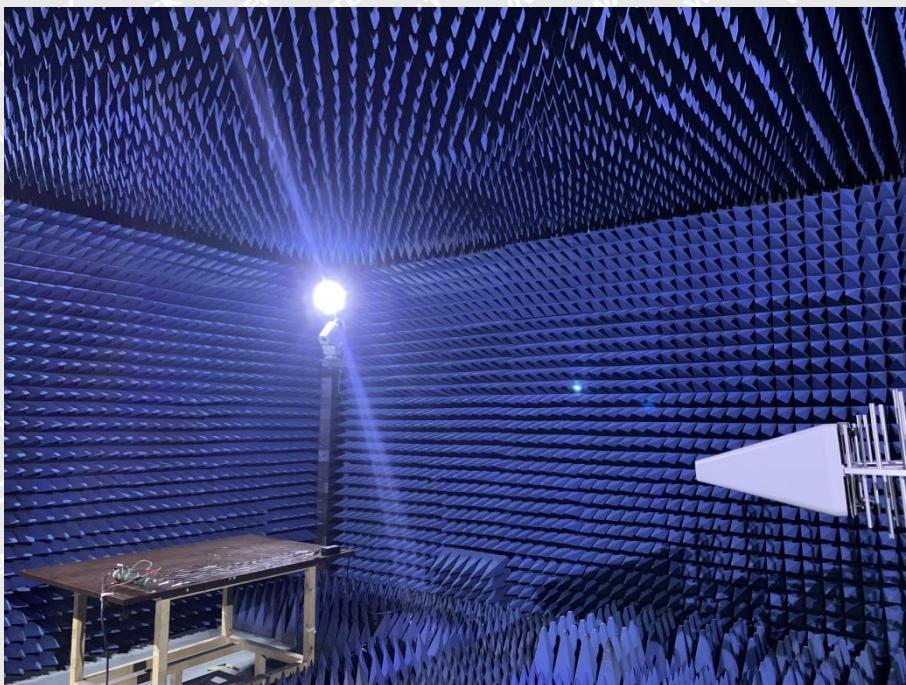
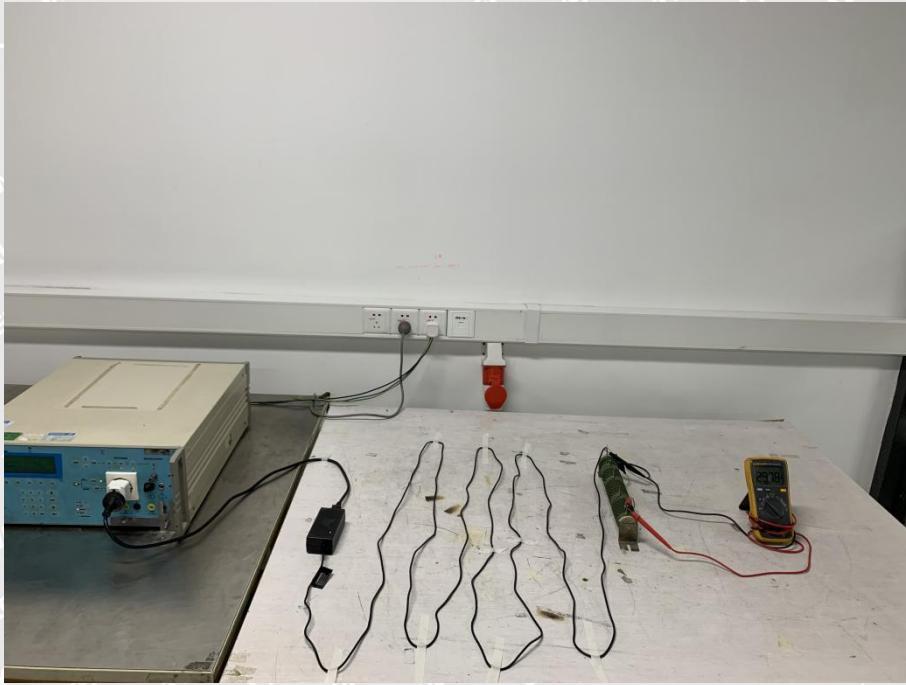
GTM96600-6030-R3A-CF
Conduction Emission Test View

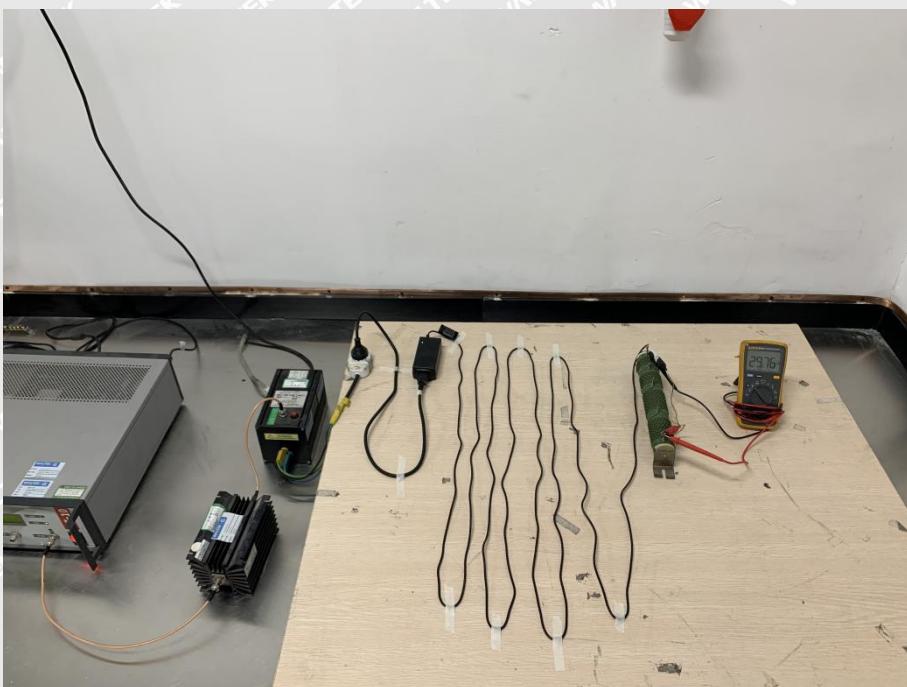
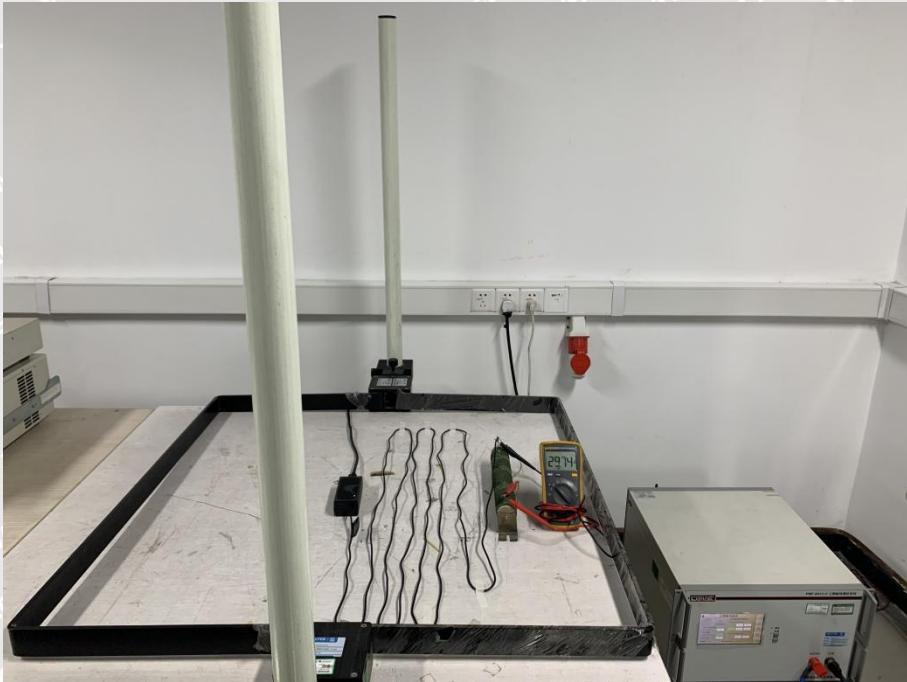


Radiation Emission Test View



**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 *******