



TEST REPORT

Reference No...... : WTX23X12276828E001
Applicant : GlobTek, Inc.
Address : 186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer..... : GlobTek, Inc.
Address : 186 Veterans Dr. Northvale, NJ 07647 USA
Product Name : POWER SUPPLY
Model No...... : GT (M or -) 41060 (- or CC) WWVV-X.X
Standards : EN 55032:2015+A1:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A2:2021
Date of Receipt sample ... : 2023-12-29
Date of Test..... : 2023-12-29 to 2024-01-05
Date of Issue : 2024-01-05
Test Report Form No. : WTX_EN 55032_2015_B
Test Result..... : Pass

Remarks:

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

Prepared By:

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 Email: sem@waltek.com.cn

Tested by:

Toby Zhang

Toby Zhang

Approved by:

Silin Chen

Silin Chen



TABLE OF CONTENTS

1. GENERAL INFORMATION	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
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.....	12
3. CONDUCTED EMISSION.....	13
3.1 MEASUREMENT UNCERTAINTY	13
3.2 BASIC TEST SETUP BLOCK DIAGRAM	13
3.3 ENVIRONMENTAL CONDITIONS	13
3.4 SUMMARY OF TEST RESULTS.....	13
4. RADIATED EMISSION.....	22
4.1 MEASUREMENT UNCERTAINTY	22
4.2 BASIC TEST SETUP BLOCK DIAGRAM	22
4.3 CORRECTED AMPLITUDE & MARGIN CALCULATION.....	23
4.4 ENVIRONMENTAL CONDITIONS	23
4.5 SUMMARY OF TEST RESULTS.....	23
5. HARMONIC CURRENT EMISSIONS	32
5.1 TEST PROCEDURE	32
5.2 TEST STANDARDS.....	32
5.3 ENVIRONMENTAL CONDITIONS	32
5.4 BASIC TEST SETUP BLOCK DIAGRAM	32
5.5 HARMONIC CURRENT EMISSIONS TEST DATA.....	32
6. VOLTAGE FLUCTUATION FLICKER.....	33
6.1 TEST PROCEDURE	33
6.2 TEST STANDARDS.....	33
6.3 ENVIRONMENTAL CONDITIONS	33
6.4 BASIC TEST SETUP BLOCK DIAGRAM	33
6.5 VOLTAGE FLUCTUATION AND FLICKER TEST DATA.....	33
7. ELECTROSTATIC DISCHARGES (ESD).....	36
7.1 TEST PROCEDURE	36
7.2 TEST PERFORMANCE.....	36
7.3 ENVIRONMENTAL CONDITIONS	36
7.4 BASIC TEST SETUP BLOCK DIAGRAM	36
7.5 ELECTROSTATIC DISCHARGE IMMUNITY TEST DATA.....	37
8. CONTINUOUS RF ELECTROMAGNETIC FIELD DISTURBANCES (RS).....	38
8.1 TEST PROCEDURE	38
8.2 TEST PERFORMANCE.....	38
8.3 ENVIRONMENTAL CONDITIONS	38
8.4 BASIC TEST SETUP BLOCK DIAGRAM	38
8.5 CONTINUOUS RADIATED DISTURBANCES TEST DATA.....	39
9. ELECTRICAL FAST TRANSIENTS (EFT)	40
9.1 TEST PROCEDURE	40
9.2 TEST PERFORMANCE.....	40
9.3 ENVIRONMENTAL CONDITIONS	40
9.4 BASIC TEST SETUP BLOCK DIAGRAM	40
9.5 ELECTRICAL FAST TRANSIENTS TEST DATA.....	41
10. SURGES.....	42
10.1 TEST PROCEDURE	42
10.2 TEST PERFORMANCE	42



Reference No.: WTX23X12276828E001

10.3 ENVIRONMENTAL CONDITIONS	42
10.4 BASIC TEST SETUP BLOCK DIAGRAM	42
10.5 SURGE TEST DATA	43
11. CONTINUOUS INDUCED RF DISTURBANCES (C/S)	44
11.1 TEST PROCEDURE	44
11.2 TEST PERFORMANCE	44
11.3 ENVIRONMENTAL CONDITIONS	44
11.4 BASIC TEST SETUP BLOCK DIAGRAM	44
11.5 CONTINUOUS CONDUCTED DISTURBANCES TEST DATA	45
12. POWER-FREQUENCY MAGNETIC FIELDS (PFMF)	46
12.1 TEST PROCEDURE	46
12.2 TEST PERFORMANCE	46
12.3 ENVIRONMENTAL CONDITIONS	46
12.4 BASIC TEST SETUP BLOCK DIAGRAM	46
12.5 POWER-FREQUENCY MAGNETIC FIELD TEST DATA	46
13. VOLTAGE DIPS AND INTERRUPTIONS	47
13.1 TEST PROCEDURE	47
13.2 TEST PERFORMANCE	47
13.3 ENVIRONMENTAL CONDITIONS	47
13.4 BASIC TEST SETUP BLOCK DIAGRAM	47
13.5 VOLTAGE DIPS AND INTERRUPTIONS TEST DATA	47
EXHIBIT 1 - PRODUCT LABELING	48
PROPOSED CE LABEL FORMAT	48
PROPOSED LABEL LOCATION ON EUT	48
EXHIBIT 2 - EUT PHOTOGRAPHS	49
EXHIBIT 3 - TEST SETUP PHOTOGRAPHS	60

WALTEK



Report version

Version No.	Date of issue	Description
Rev.00	2024-01-05	Original
/	/	/

WALTEK



1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Factory name1:	GlobTek, Inc.
Factory address1:	186 Veterans Dr. Northvale, NJ 07647 USA
Factory name2:	GlobTek (Suzhou) Co., Ltd
Factory address2:	Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China

General Description of EUT	
Product Name:	POWER SUPPLY
Trade Name:	
Model No.:	GT (M or -) 41060 (- or CC) WWVV-X.X
Adding Model(s):	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i> <i>GT (M or -) 41060 (- or CC) WWVV-X.X : M or – for marked identification and not related to safety; 41060: Series code; (- or CC): “-” = Constant Voltage Model, CC = Constant Current Model; WW: is the rated output wattage designation, with a maximum value of "25"; VV: is the standard rated output voltage designation, with a maximum value of "30"; - X.X: Denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different.</i>	

Technical Characteristics of EUT	
Rated Voltage/ Current:	Input: 100-240V~, 50-60Hz or 50/60Hz, 0.6A Output: 3-30Vdc, Max.3.00A, Max.25W
Rated Power:	/
Power Adaptor Model:	/
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B



Reference No.: WTX23X12276828E001

1.2 Test Standards

The tests were performed according to following standards:

EN 55032:2015+A1:2020: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+A1:2021: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+A2:2021:Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

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

1.3 Test Methodology

All measurements contained in this report were conducted with the standards EN 55032, EN IEC 61000-3-2, EN 61000-3-3 and EN 55035 for electromagnetic compatibility of multimedia equipment, and all related testing and measurement techniques intentional standards.



1.4 EUT Setup and Operation Mode

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

Test Mode List			
Test Mode	Description	Remark	Power Supply Mode
TM1	Working Mode	Model: GTM41060-1505	AC 230V/50Hz
TM2	Working Mode	Model: GTM41060-1505	AC 120V/60Hz
TM3	Working Mode	Model: GTM41060-2530	AC 230V/50Hz
TM4	Working Mode	Model: GTM41060-2530	AC 120V/60Hz

EUT Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Chip
DC cable	1.09	Shielded	With	Without

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

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



1.5 Performance Criteria for EMS

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

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

WALTEK



1.6 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
☒ Chamber A: Below 1GHz					
Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2023-02-25	2024-02-24
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2023-02-25	2024-02-24
Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2023-03-20	2026-03-19
Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2024-03-19
Amplifier	HP	8447F	2805A03475	2023-02-25	2024-02-24
EMI Test Software (Radiated Emission A)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)	/	/
☐ Chamber A: Above 1GHz					
Amplifier	C&D	PAP-1G18	2002	2023-02-25	2024-02-24
Horn Antenna	ETS	3117	00086197	2021-03-19	2024-03-18
EMI Test Software (Radiated Emission A)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)	/	/
☐ Chamber B: Below 1GHz					
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2024-04-08
Amplifier	Agilent	8447D	2944A10457	2023-02-25	2024-02-24
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2023-02-25	2024-02-24
EMI Test Software (Radiated Emission B)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)	/	/
☐ Chamber C: Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2023-02-25	2024-02-24
Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2021-05-28	2024-05-27
Amplifier	HP	8447F	2944A03869	2023-02-25	2024-02-24
EMI Test Software (Radiated Emission C)	Farad	EZ-EMC	RA-03A1-2 (1.1.4.2)	/	/
☐ Chamber C: Above 1GHz					
Horn Antenna	POAM	RTF-118A	1820	2023-03-10	2026-03-09
Amplifier	Tonscend	TAP01018050	AP22E806235	2023-02-25	2024-02-24
EMI Test Software (Radiated Emission C)	Farad	EZ-EMC	RA-03A1-2 (1.1.4.2)	/	/
☒ Conducted Room 1#					
EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2023-12-12	2024-12-11



Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2023-02-25	2024-02-24
AC LISN	Schwarz beck	NSLK8126	8126-279	2023-02-25	2024-02-24
8-WIRE ISN	Schwarz beck	8158	CAT3-8158-0059	2023-02-25	2024-02-24
8-WIRE ISN	Schwarz beck	8158	CAT5-8158-0117	2023-02-25	2024-02-24
EMI Test Software (Conducted Emission Room 1#)	Farad	EZ-EMC	3A1*CE-RE 1.1.4.3	/	/
☐ Conducted Room 2#					
EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2023-02-25	2024-02-24
LISN	Rohde & Schwarz	ENV 216	100097	2023-02-25	2024-02-24
EMI Test Software (Conducted Emission Room 2#)	SKET	EMC-I	1.3.0.2	/	/
☒ Harmonics &Flicker					
Digital Power Analyzer	California Instrument	CTS	72831	2023-02-25	2024-02-24
Power Source	California Instrument	5001IX-CTS-400	60077	2023-02-25	2024-02-24
Test Software (Harmonics &Flicker)	AMETEK	CTS4	4.30	/	/
☒ Electrostatic discharges					
ESD Generator	LIONCEL	ESD-203B	0170901	2023-03-14	2024-03-13
☒ Power-frequency magnetic field (PFMF)					
PMF Generator	LIONCEL	PMF-801C-C	0171101	2023-02-25	2024-02-24
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2023-02-25	2024-02-24
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2023-02-25	2024-02-24
☒ Electronic fast transient(EFT)/Surges/Dips					
Transient 2000	EMC PARTNER	TRA2000	836	2023-02-25	2024-02-24
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2023-02-25	2024-02-24
☒ Radio frequency, continuous conducted (C/S)					
CONDUCTED IMMUNITY TEST SYSTEM	FRANKONIA	CIT-10/75	126B1247/2013	2023-02-25	2024-02-24
Attenuator	EMTEST	MA-5100/6BF2	1009	2023-02-25	2024-02-24
CDN	Luthi	L-801M2/M3	2665	2023-02-25	2024-02-24
CDN	LIONCEL	CDN-T8	0210401	2023-02-25	2024-02-24
EM Clamp	TESEQ	KEMZ801A	45028	2023-02-25	2024-02-24
Test Software (Radio frequency, Continuous	SKET	EMC-S	V1.4.0.16	/	/



conducted)					
☒ Radio frequency electromagnetic Field (R/S)					
Signal Generator	HP	8665B	3438A00604	2023-02-25	2024-02-24
Power Sensor	Agilent	E9301A	MY52450001	2023-02-25	2024-02-24
Power Sensor	Agilent	E9304A	MY55081055	2023-02-25	2024-02-24
RF Power Amplifier	MicoTop	MPA-80-1000-25 0	MPA1906239	2023-02-25	2024-02-24
RF Power Amplifier	MicoTop	MPA-1000-6000- 100	MPA1906238	2023-02-25	2024-02-24
Antenna	SCHWARZBECK	STLP 9129	9129 114	/	/
Power Meter	Agilent	E4419B	GB42420578	2023-02-25	2024-02-24
Test Software (Radio frequency electromagnetic Field)	EMtrace	EM3	V1.2.6.2	/	/

WALTEK



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 IEC 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 IEC 61000-4-11	Compliant
	Broadband impulse noise disturbances, repetitive	N/A
	Broadband impulse noise disturbances, isolated	N/A

N/A: not applicable



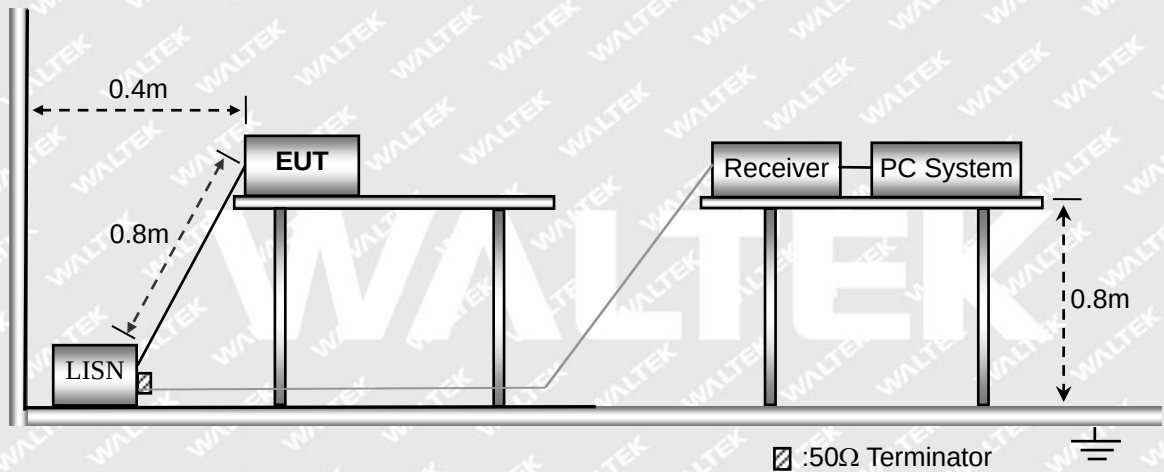
3. Conducted Emission

3.1 Measurement Uncertainty

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

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

3.2 Basic Test Setup Block Diagram



3.3 Environmental Conditions

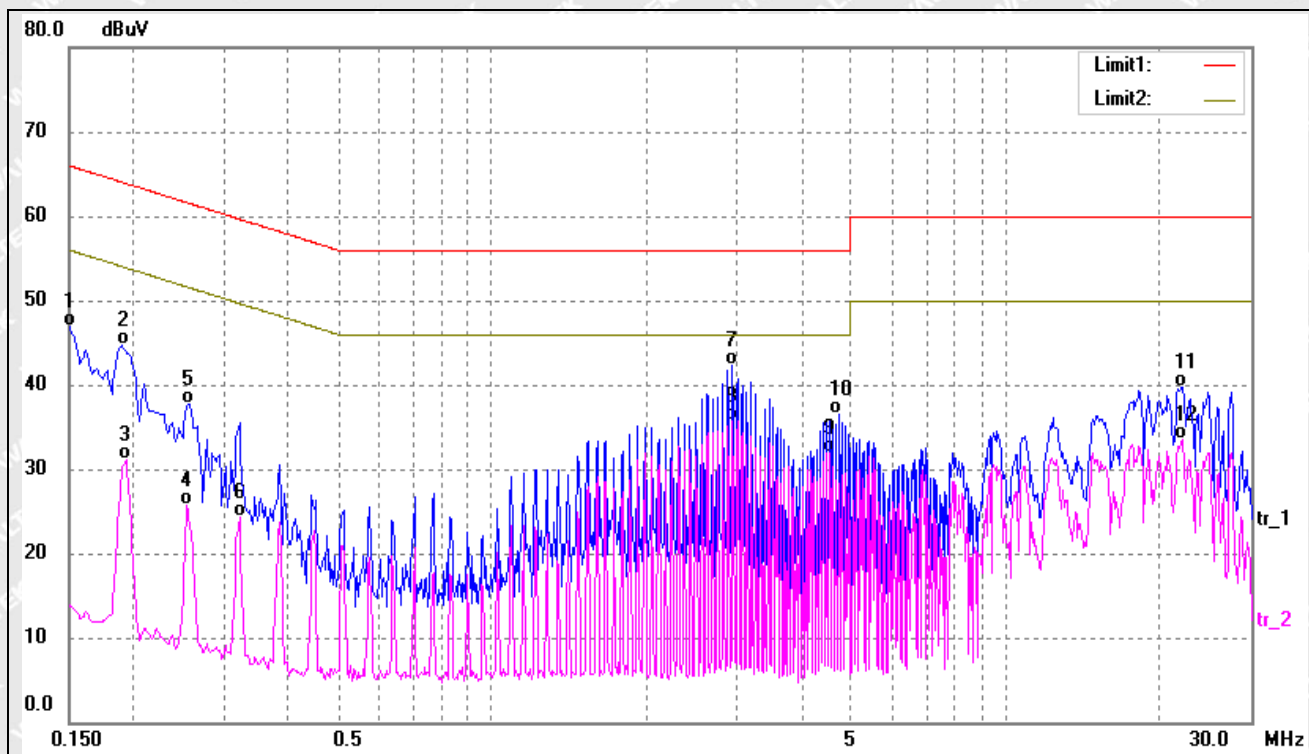
Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	998 mbar

3.4 Summary of Test Results

Please find the results below:



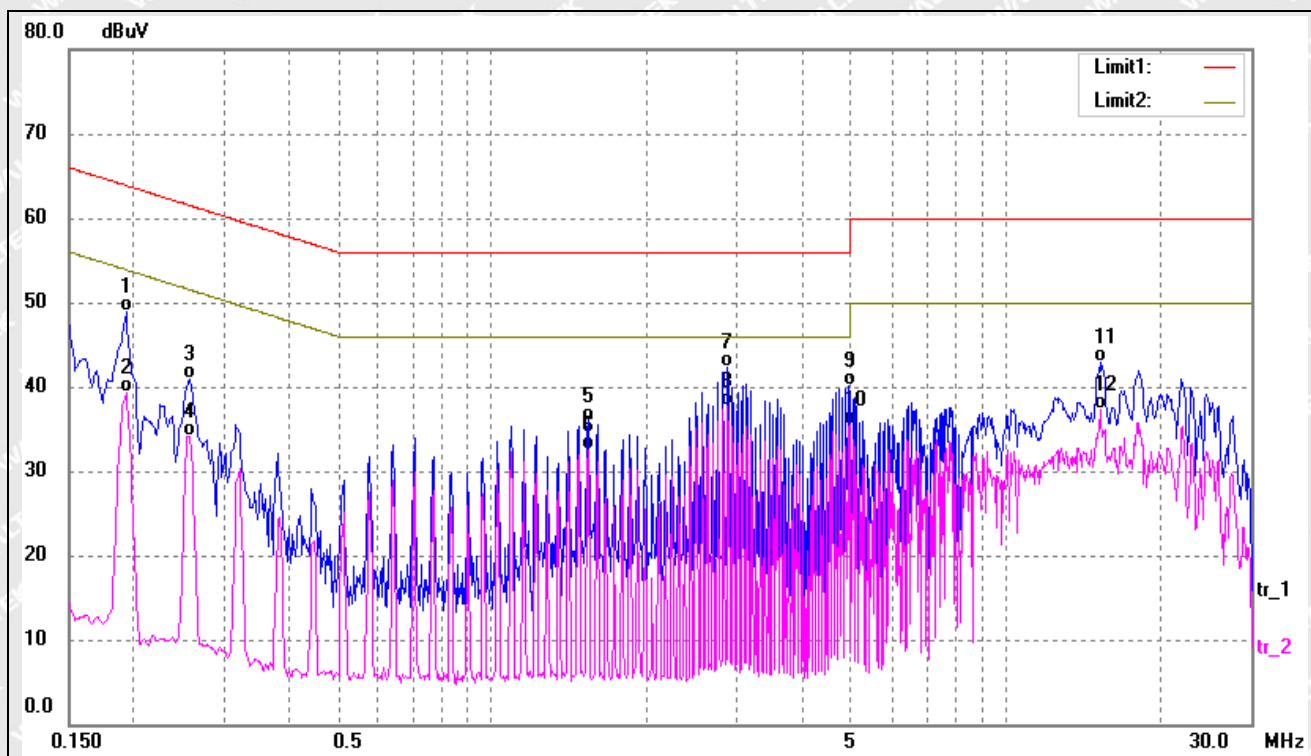
Test mode:	TM1	Polarity:	Line
------------	-----	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	36.43	10.40	46.83	65.99	-19.16	QP
2	0.1900	34.31	10.39	44.70	64.03	-19.33	QP
3	0.1940	20.69	10.39	31.08	53.86	-22.78	AVG
4	0.2540	15.35	10.34	25.69	51.62	-25.93	AVG
5	0.2580	27.40	10.34	37.74	61.49	-23.75	QP
6	0.3220	14.10	10.30	24.40	49.65	-25.25	AVG
7	2.9460	32.23	10.10	42.33	56.00	-13.67	QP
8*	2.9460	25.62	10.10	35.72	46.00	-10.28	AVG
9	4.5460	21.63	10.32	31.95	46.00	-14.05	AVG
10	4.7380	26.13	10.35	36.48	56.00	-19.52	QP
11	22.0180	29.44	10.34	39.78	60.00	-20.22	QP
12	22.0820	23.15	10.34	33.49	50.00	-16.51	AVG



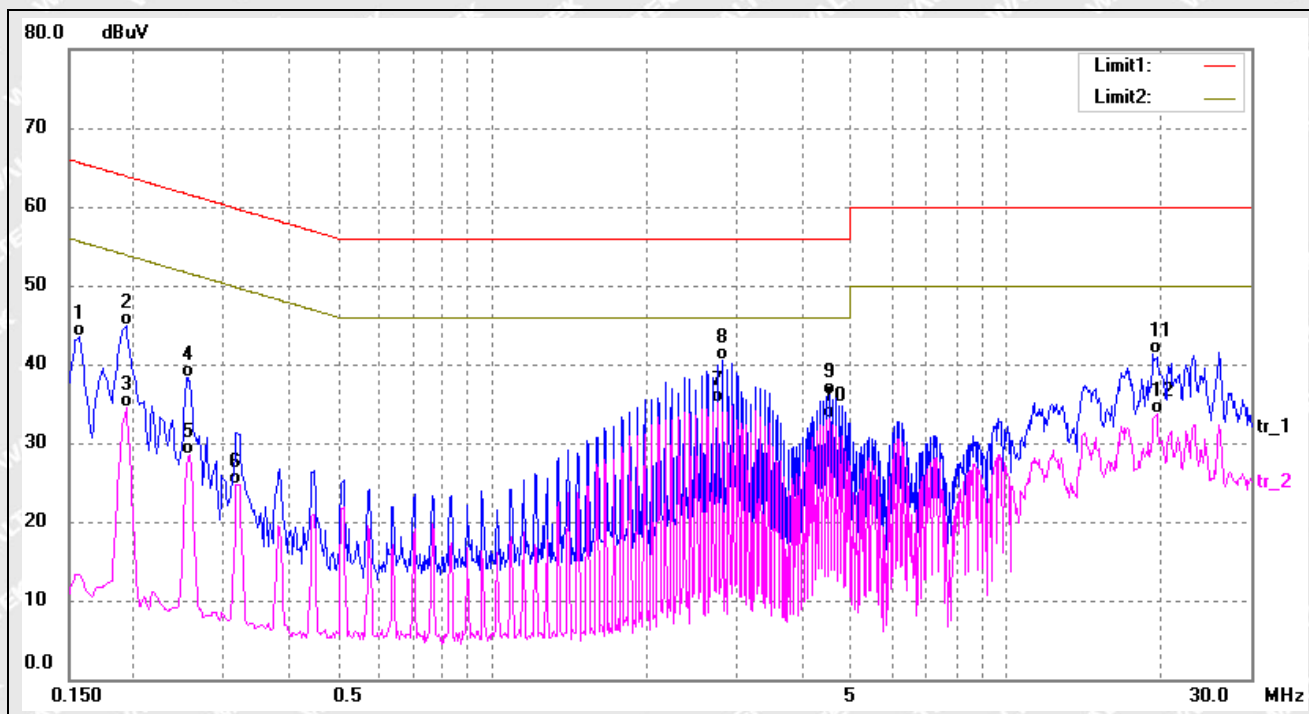
Test mode:	TM1	Polarity:	Neutral
------------	-----	-----------	---------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1940	38.50	10.39	48.89	63.86	-14.97	QP
2	0.1940	28.96	10.39	39.35	53.86	-14.51	AVG
3	0.2580	30.48	10.34	40.82	61.49	-20.67	QP
4	0.2580	23.76	10.34	34.10	51.49	-17.39	AVG
5	1.5380	25.95	10.05	36.00	56.00	-20.00	QP
6	1.5380	22.45	10.05	32.50	46.00	-13.50	AVG
7	2.8820	32.29	10.09	42.38	56.00	-13.62	QP
8*	2.8820	27.65	10.09	37.74	46.00	-8.26	AVG
9	4.9300	29.66	10.37	40.03	56.00	-15.97	QP
10	4.9940	25.10	10.38	35.48	46.00	-10.52	AVG
11	15.2420	32.74	10.22	42.96	60.00	-17.04	QP
12	15.2420	27.17	10.22	37.39	50.00	-12.61	AVG



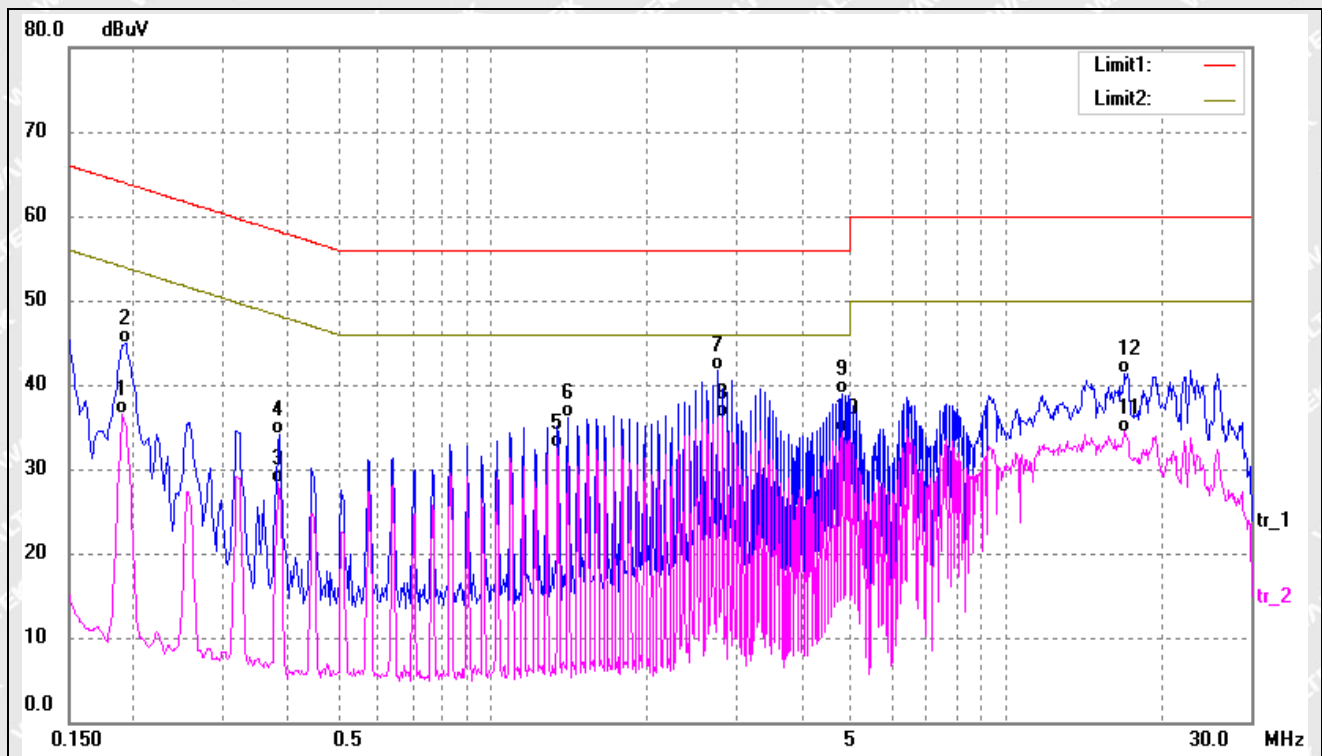
Test mode:	TM2	Polarity:	Line
------------	-----	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	33.10	10.40	43.50	65.56	-22.06	QP
2	0.1940	34.50	10.39	44.89	63.86	-18.97	QP
3	0.1940	24.03	10.39	34.42	53.86	-19.44	AVG
4	0.2540	28.06	10.34	38.40	61.62	-23.22	QP
5	0.2580	18.18	10.34	28.52	51.49	-22.97	AVG
6	0.3180	14.46	10.30	24.76	49.76	-25.00	AVG
7*	2.7500	25.05	10.07	35.12	46.00	-10.88	AVG
8	2.8140	30.40	10.08	40.48	56.00	-15.52	QP
9	4.5420	25.78	10.32	36.10	56.00	-19.90	QP
10	4.5420	22.83	10.32	33.15	46.00	-12.85	AVG
11	19.3860	30.91	10.36	41.27	60.00	-18.73	QP
12	19.6420	23.30	10.37	33.67	50.00	-16.33	AVG



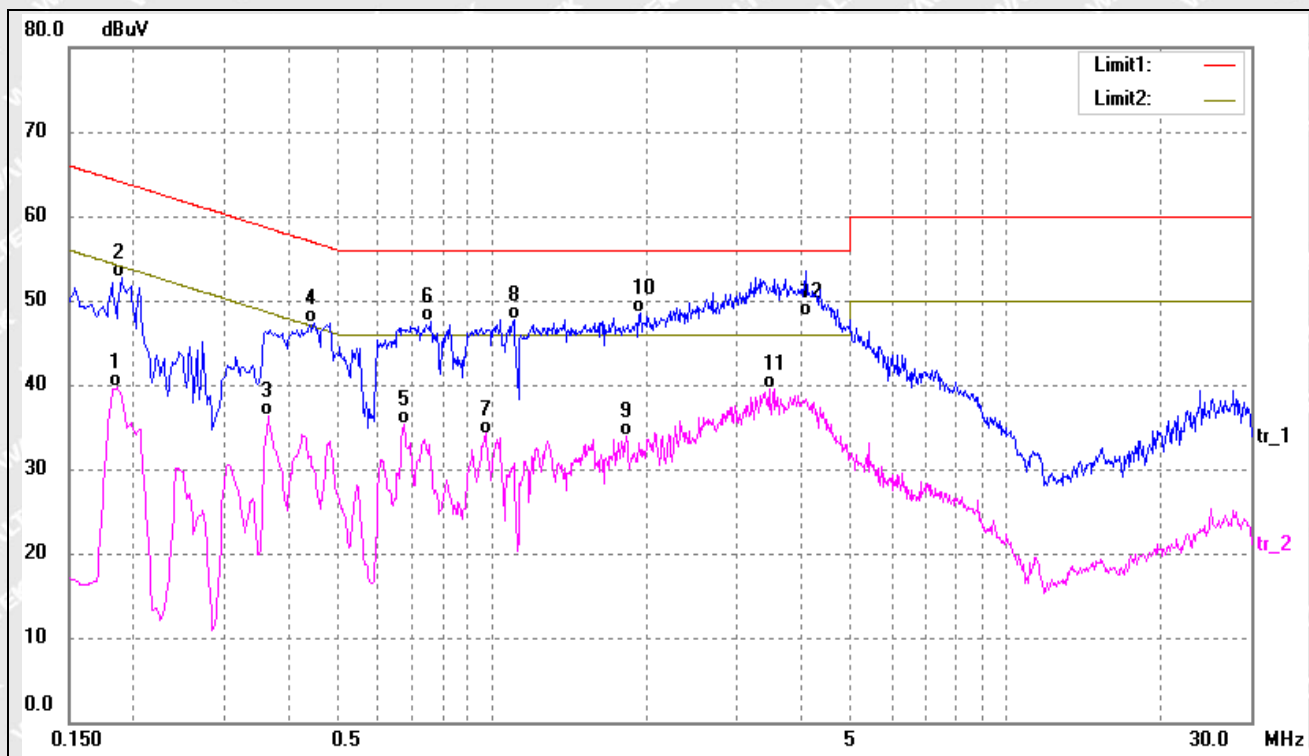
Test mode:	TM2	Polarity:	Neutral
------------	-----	-----------	---------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1900	26.21	10.39	36.60	54.03	-17.43	AVG
2	0.1940	34.46	10.39	44.85	63.86	-19.01	QP
3	0.3820	18.05	10.27	28.32	48.23	-19.91	AVG
4	0.3860	23.81	10.27	34.08	58.15	-24.07	QP
5	1.3420	22.44	10.08	32.52	46.00	-13.48	AVG
6	1.4060	25.98	10.07	36.05	56.00	-19.95	QP
7	2.7500	31.59	10.07	41.66	56.00	-14.34	QP
8*	2.8140	26.06	10.08	36.14	46.00	-9.86	AVG
9	4.7980	28.61	10.36	38.97	56.00	-17.03	QP
10	4.7980	24.02	10.36	34.38	46.00	-11.62	AVG
11	17.0740	24.12	10.28	34.40	50.00	-15.60	AVG
12	17.2620	31.10	10.30	41.40	60.00	-18.60	QP



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



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	29.26	10.40	39.66	54.21	-14.55	AVG
2	0.1900	42.24	10.39	52.63	64.03	-11.40	QP
3	0.3660	25.95	10.28	36.23	48.59	-12.36	AVG
4	0.4500	37.09	10.25	47.34	56.87	-9.53	QP
5	0.6740	25.16	10.20	35.36	46.00	-10.64	AVG
6	0.7620	37.24	10.18	47.42	56.00	-8.58	QP
7	0.9700	24.06	10.14	34.20	46.00	-11.80	AVG
8	1.1019	37.65	10.12	47.77	56.00	-8.23	QP
9	1.8260	23.90	10.00	33.90	46.00	-12.10	AVG
10	1.9420	38.53	9.98	48.51	56.00	-7.49	QP
11*	3.4540	29.37	10.16	39.53	46.00	-6.47	AVG
12	4.0860	37.92	10.25	48.17	56.00	-7.83	QP

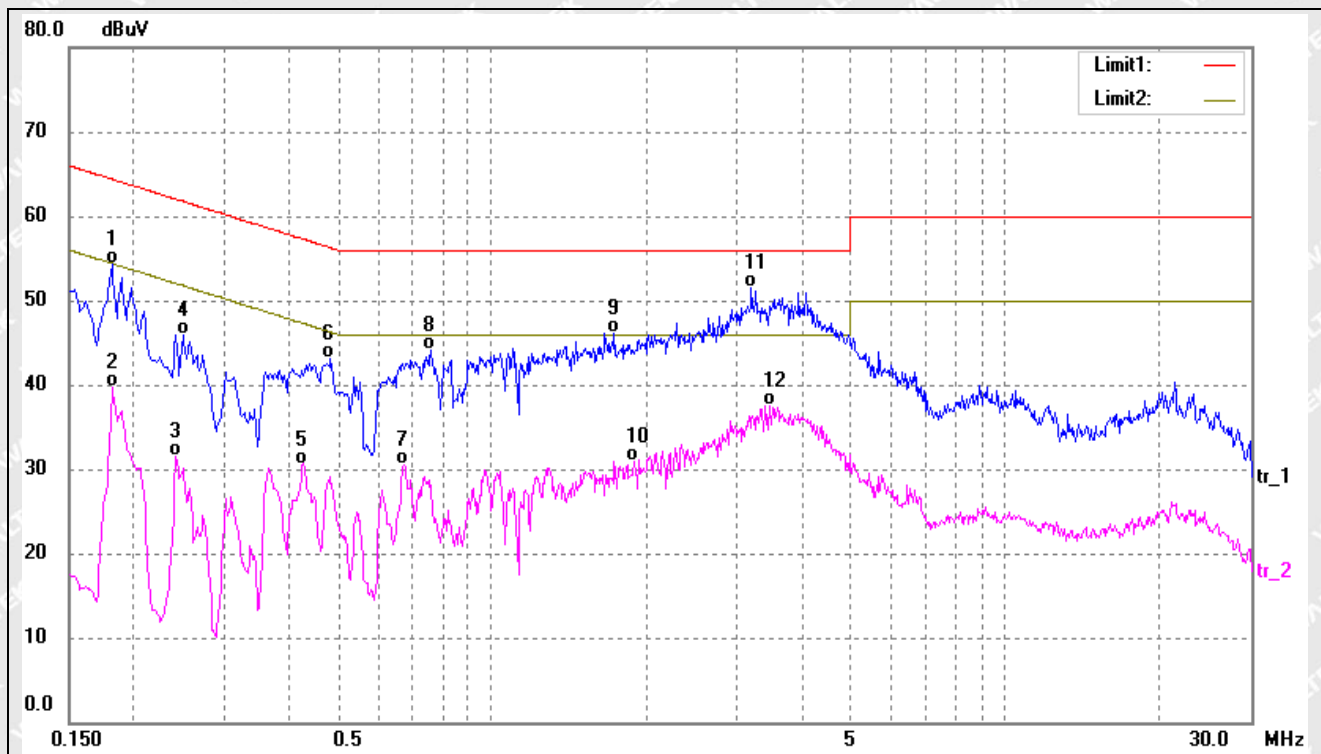


Test mode:

TM3

Polarity:

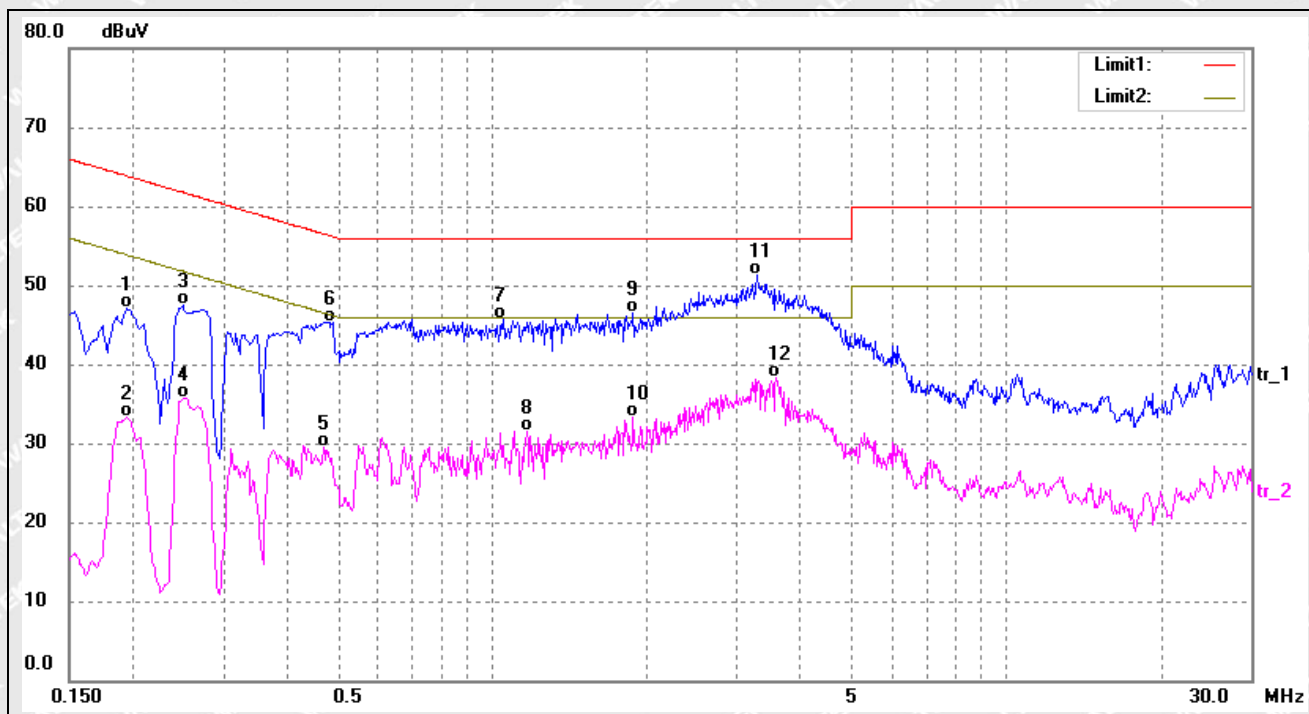
Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	43.84	10.39	54.23	64.39	-10.16	QP
2	0.1819	29.33	10.39	39.72	54.39	-14.67	AVG
3	0.2420	21.07	10.35	31.42	52.02	-20.60	AVG
4	0.2500	35.65	10.34	45.99	61.75	-15.76	QP
5	0.4300	20.35	10.25	30.60	47.25	-16.65	AVG
6	0.4860	32.92	10.23	43.15	56.24	-13.09	QP
7	0.6740	20.21	10.20	30.41	46.00	-15.59	AVG
8	0.7620	33.96	10.18	44.14	56.00	-11.86	QP
9	1.7340	36.01	10.02	46.03	56.00	-9.97	QP
10	1.8940	20.96	9.99	30.95	46.00	-15.05	AVG
11*	3.1900	41.28	10.13	51.41	56.00	-4.59	QP
12	3.4540	27.36	10.16	37.52	46.00	-8.48	AVG



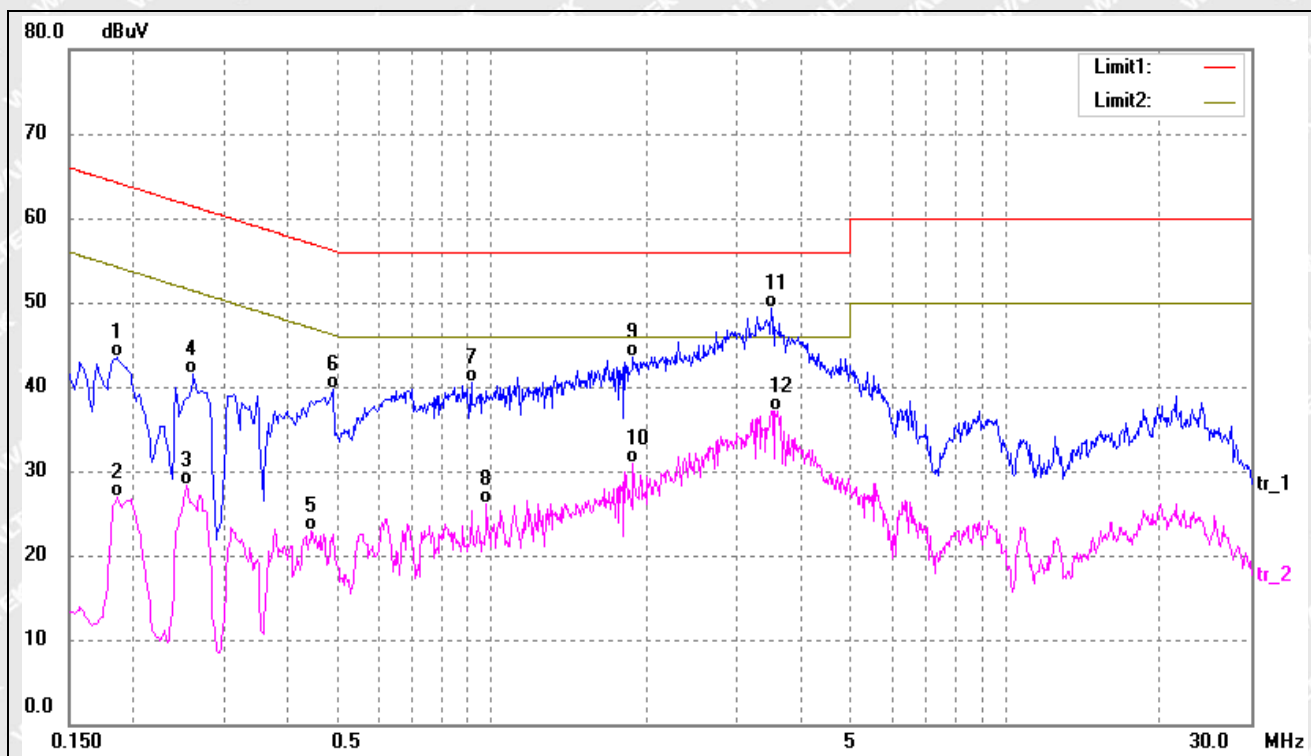
Test mode:	TM4	Polarity:	Line
------------	-----	-----------	------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1940	36.68	10.39	47.07	63.86	-16.79	QP
2	0.1940	22.97	10.39	33.36	53.86	-20.50	AVG
3	0.2500	37.11	10.34	47.45	61.75	-14.30	QP
4	0.2500	25.43	10.34	35.77	51.75	-15.98	AVG
5	0.4700	19.28	10.25	29.53	46.51	-16.98	AVG
6	0.4900	35.14	10.23	45.37	56.17	-10.80	QP
7	1.0500	35.60	10.13	45.73	56.00	-10.27	QP
8	1.1700	21.39	10.12	31.51	46.00	-14.49	AVG
9	1.8820	36.58	9.99	46.57	56.00	-9.43	QP
10	1.8820	23.26	9.99	33.25	46.00	-12.75	AVG
11*	3.2820	41.07	10.14	51.21	56.00	-4.79	QP
12	3.5820	28.10	10.19	38.29	46.00	-7.71	AVG



Test mode:	TM4	Polarity:	Neutral
------------	-----	-----------	---------



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	33.01	10.40	43.41	64.21	-20.80	QP
2	0.1860	16.43	10.40	26.83	54.21	-27.38	AVG
3	0.2540	17.97	10.34	28.31	51.62	-23.31	AVG
4	0.2620	31.16	10.34	41.50	61.36	-19.86	QP
5	0.4460	12.72	10.25	22.97	46.95	-23.98	AVG
6	0.4900	29.53	10.23	39.76	56.17	-16.41	QP
7	0.9100	30.35	10.15	40.50	56.00	-15.50	QP
8	0.9740	15.87	10.14	26.01	46.00	-19.99	AVG
9	1.8860	33.52	9.99	43.51	56.00	-12.49	QP
10	1.8860	20.87	9.99	30.86	46.00	-15.14	AVG
11*	3.4940	39.05	10.17	49.22	56.00	-6.78	QP
12	3.5860	26.98	10.19	37.17	46.00	-8.83	AVG



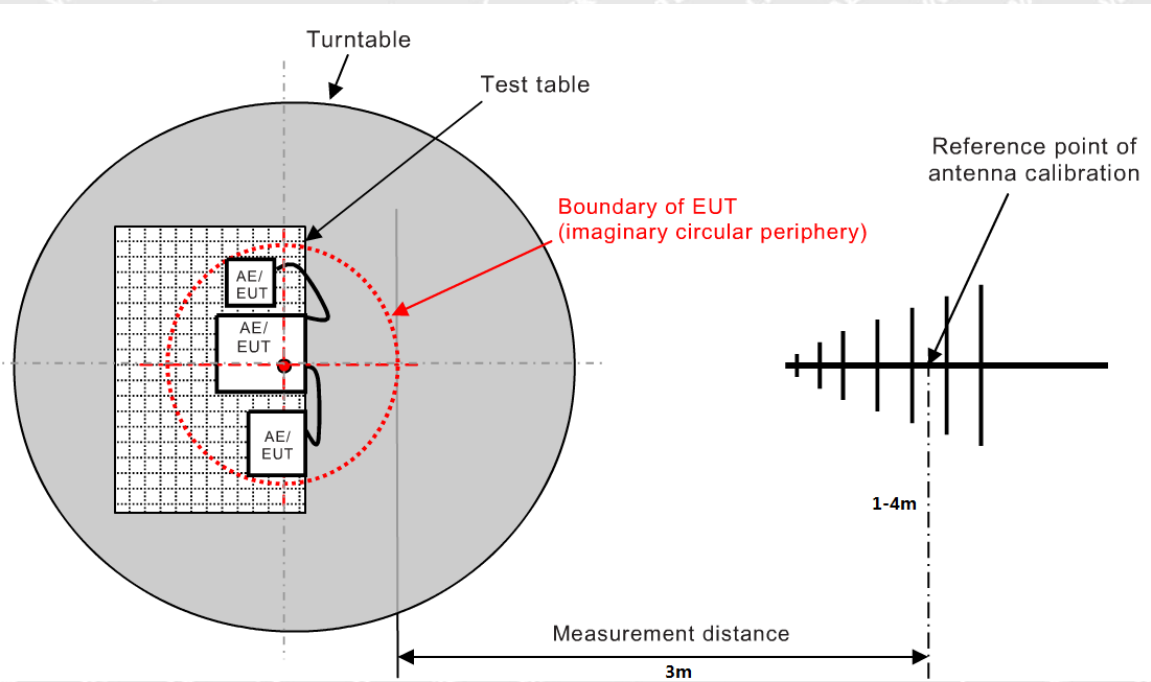
4. Radiated Emission

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:

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

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

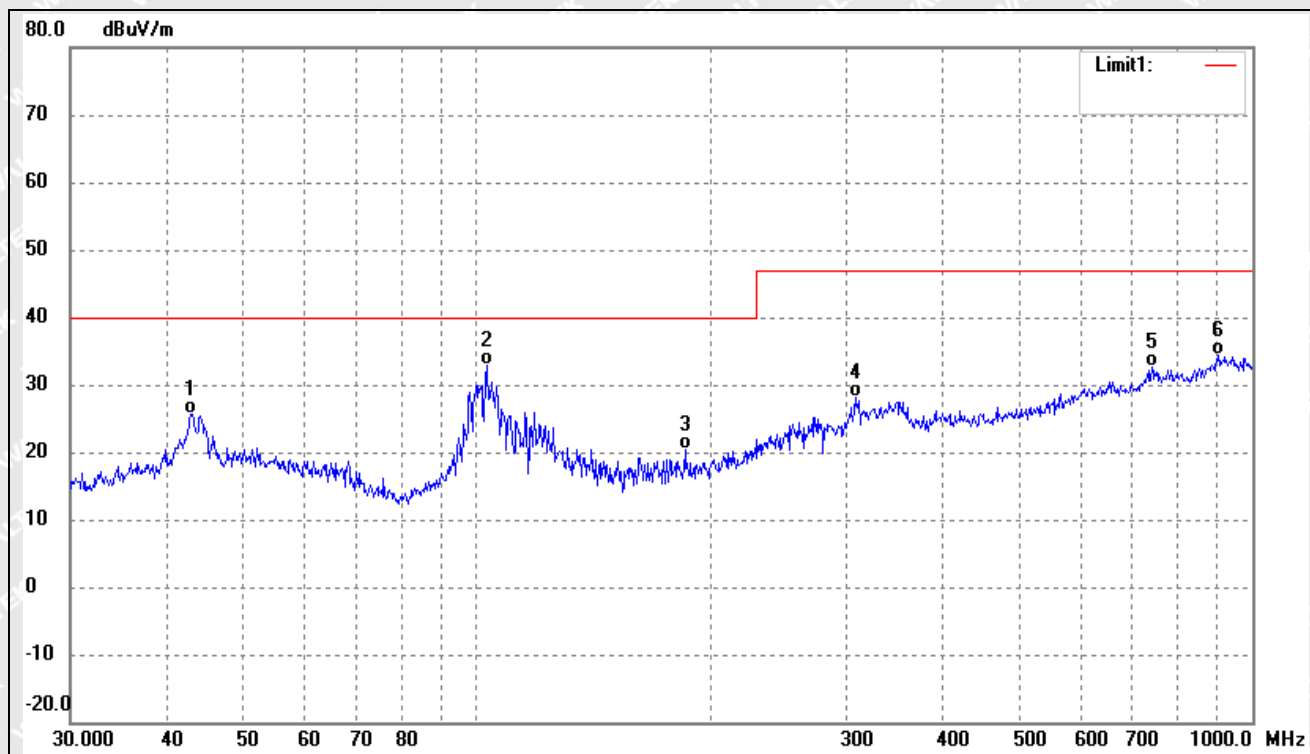
Temperature:	22.5 °C
Relative Humidity:	54 %
ATM Pressure:	998 mbar

4.5 Summary of Test Results

Please find the results below:



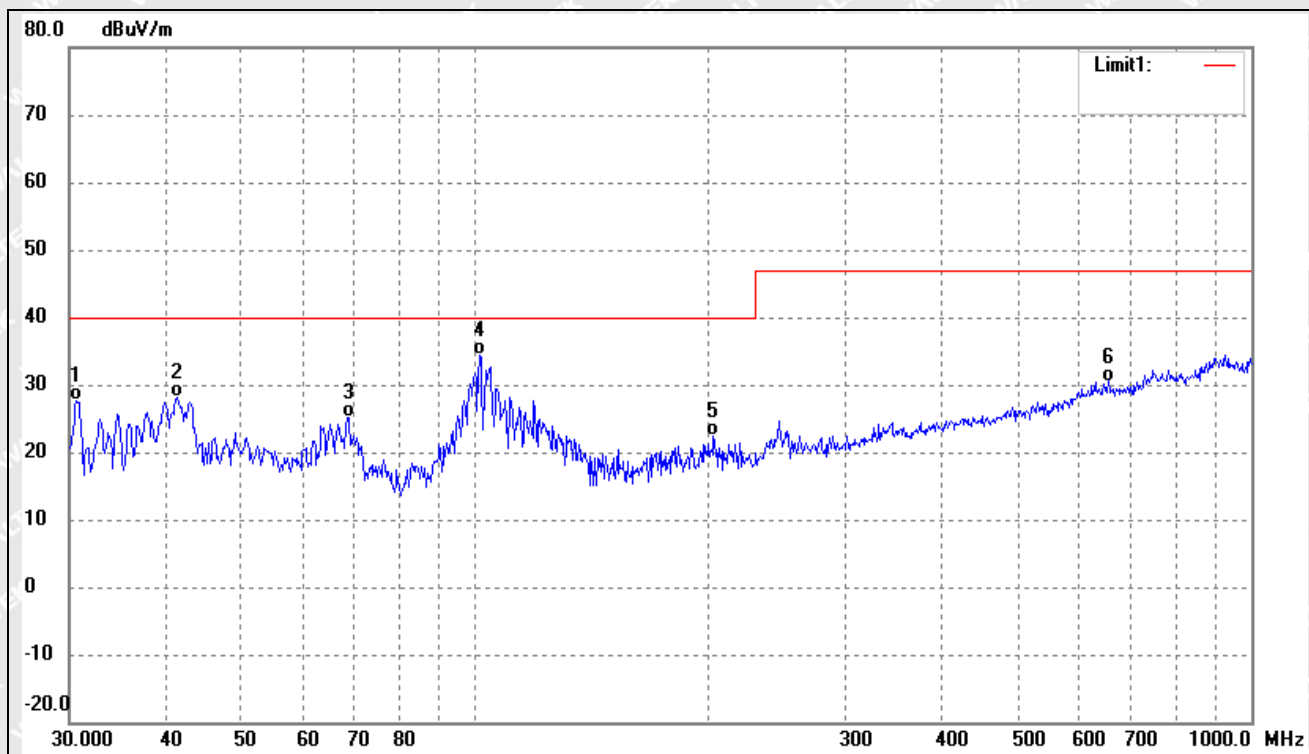
Test mode:	TM1	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	42.8998	34.32	-8.69	25.63	40.00	-14.37	QP
2	103.0800	41.44	-8.56	32.88	40.00	-7.12	QP
3	185.7882	29.71	-9.34	20.37	40.00	-19.63	QP
4	307.8313	32.88	-4.81	28.07	47.00	-18.93	QP
5	742.2587	53.94	-21.32	32.62	47.00	-14.38	QP
6	903.3094	54.96	-20.68	34.28	47.00	-12.72	QP



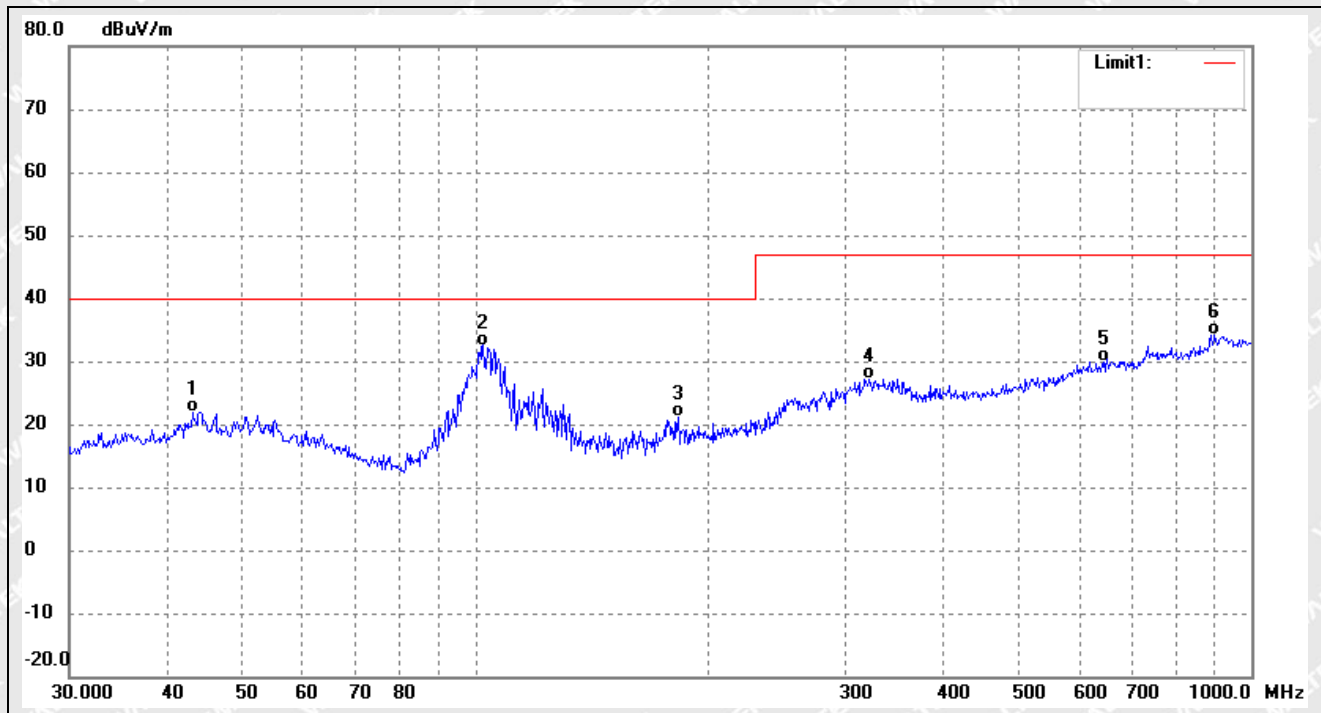
Test mode:	TM1	Polarity:	Vertical
------------	-----	-----------	----------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.6379	39.00	-11.46	27.54	40.00	-12.46	QP
2	41.2765	37.11	-8.98	28.13	40.00	-11.87	QP
3	68.6310	36.63	-11.47	25.16	40.00	-14.84	QP
4	101.2885	43.10	-8.63	34.47	40.00	-5.53	QP
5	202.8104	30.43	-8.16	22.27	40.00	-17.73	QP
6	654.2318	28.62	1.88	30.50	47.00	-16.50	QP



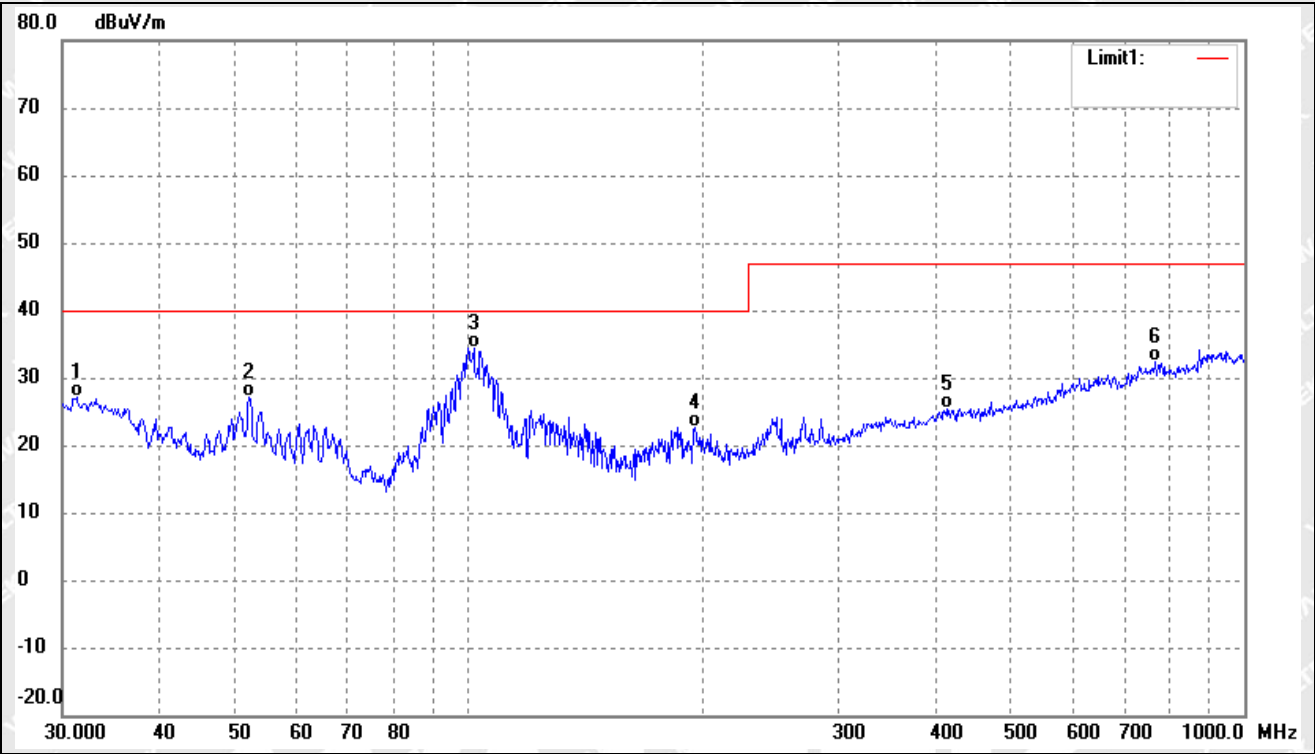
Test mode:	TM2	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.2017	30.42	-8.63	21.79	40.00	-18.21	QP
2	102.3597	41.08	-8.58	32.50	40.00	-7.50	QP
3	182.5592	30.85	-9.75	21.10	40.00	-18.90	QP
4	322.1886	31.59	-4.39	27.20	47.00	-19.80	QP
5	645.1195	28.14	1.79	29.93	47.00	-17.07	QP
6	896.9965	54.93	-20.70	34.23	47.00	-12.77	QP



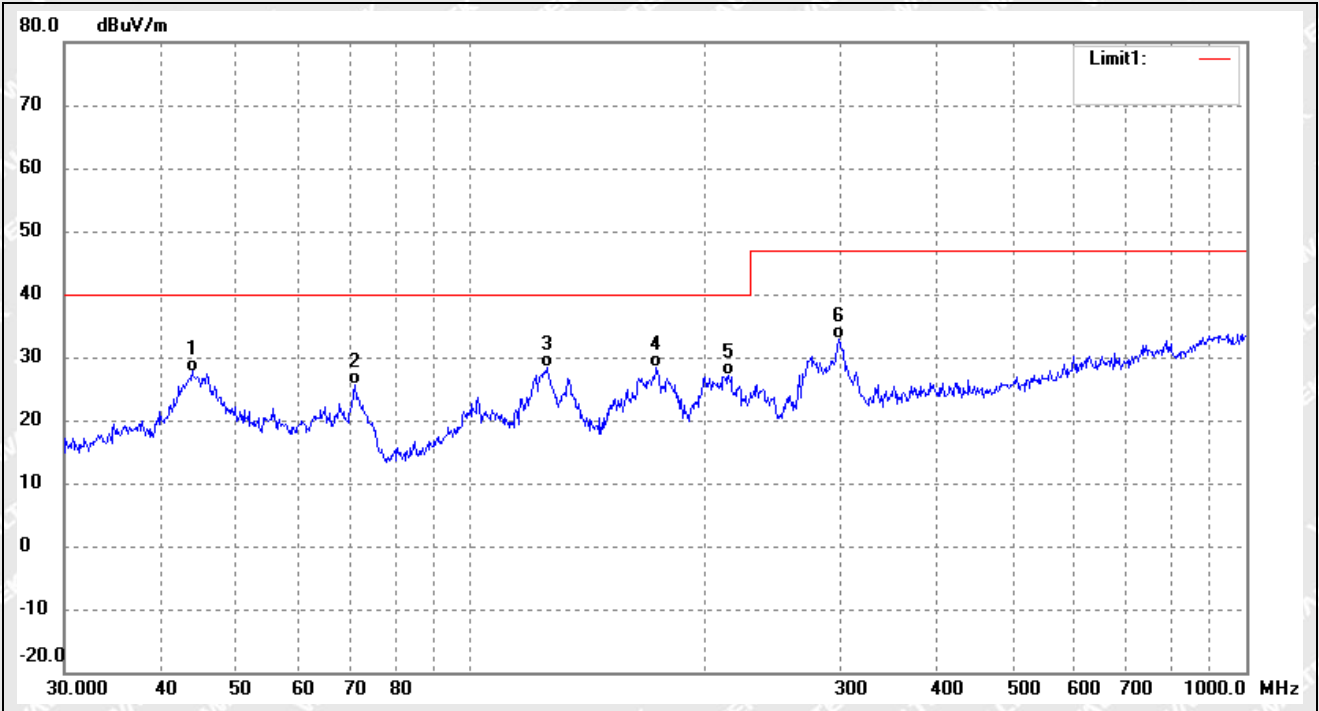
Test mode:	TM2	Polarity:	Vertical
------------	-----	-----------	----------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.2893	38.38	-11.37	27.01	40.00	-12.99	QP
2	52.2079	35.19	-7.98	27.21	40.00	-12.79	QP
3	101.6443	42.98	-8.61	34.37	40.00	-5.63	QP
4	195.8220	30.95	-8.31	22.64	40.00	-17.36	QP
5	413.2706	27.89	-2.41	25.48	47.00	-21.52	QP
6	768.7481	53.46	-21.20	32.26	47.00	-14.74	QP



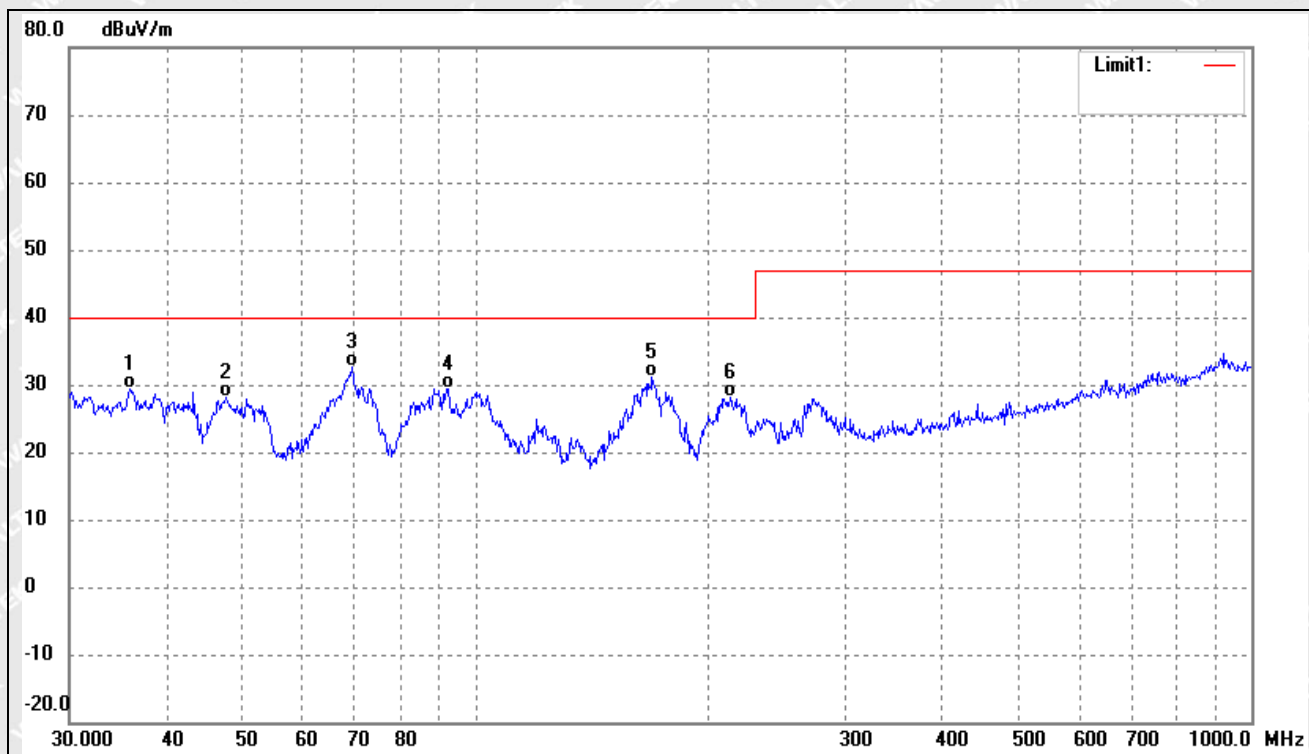
Test mode:	TM3	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.8119	36.27	-8.52	27.75	40.00	-12.25	QP
2	71.0803	37.89	-12.18	25.71	40.00	-14.29	QP
3	125.4457	39.29	-11.00	28.29	40.00	-11.71	QP
4	173.8135	39.01	-10.56	28.45	40.00	-11.55	QP
5	215.2678	35.25	-8.05	27.20	40.00	-12.80	QP
6	298.2681	37.86	-4.95	32.91	47.00	-14.09	QP



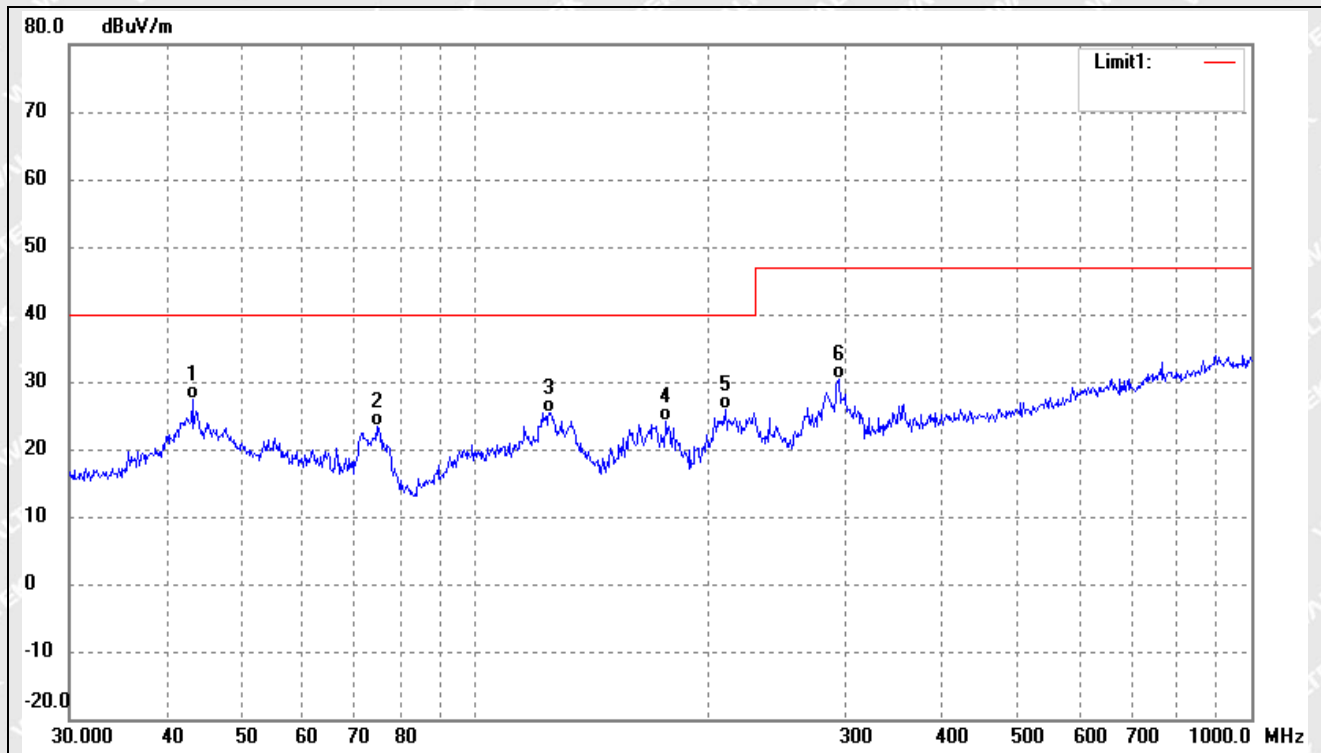
Test mode:	TM3	Polarity:	Vertical
------------	-----	-----------	----------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8746	39.50	-10.12	29.38	40.00	-10.62	QP
2	47.6586	36.24	-8.07	28.17	40.00	-11.83	QP
3	69.3568	44.34	-11.68	32.66	40.00	-7.34	QP
4	92.4624	39.73	-10.28	29.45	40.00	-10.55	QP
5	169.0054	41.98	-10.83	31.15	40.00	-8.85	QP
6	213.0151	36.20	-8.17	28.03	40.00	-11.97	QP



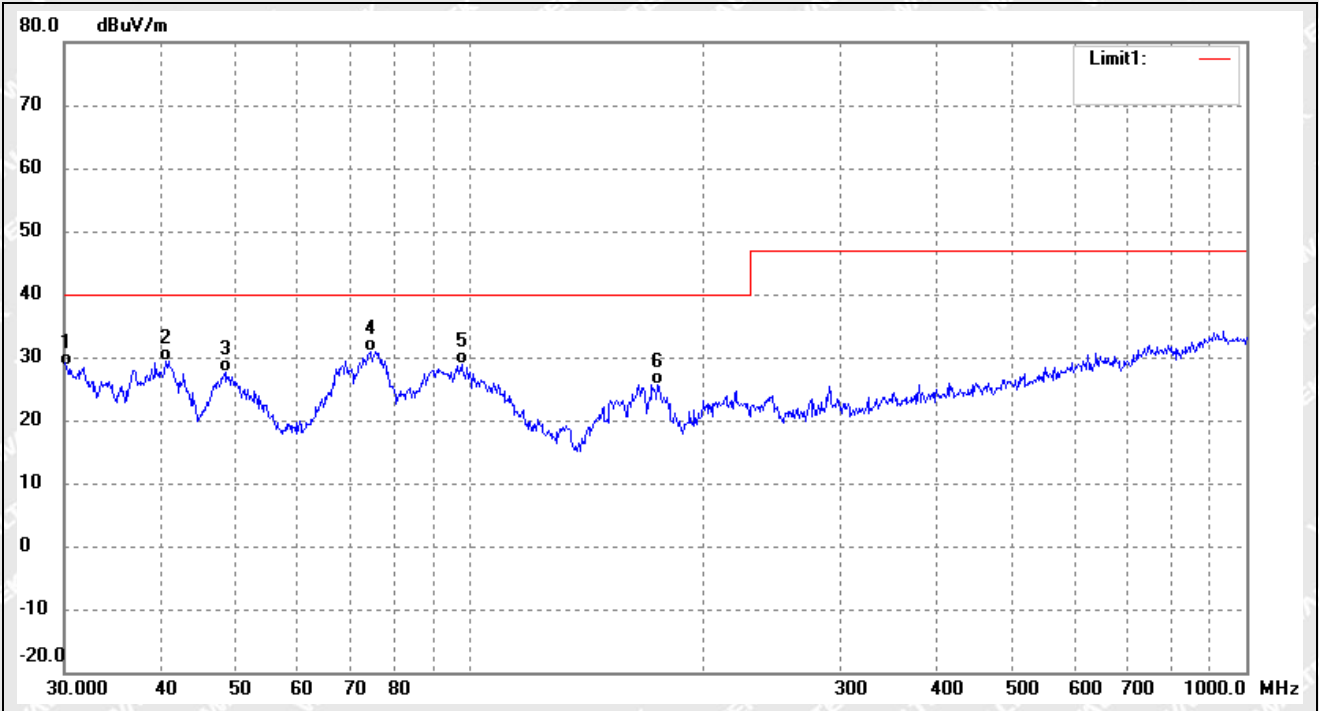
Test mode:	TM4	Polarity:	Horizontal
------------	-----	-----------	------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.2017	36.09	-8.63	27.46	40.00	-12.54	QP
2	74.6569	36.39	-12.94	23.45	40.00	-16.55	QP
3	124.5690	36.30	-10.88	25.42	40.00	-14.58	QP
4	176.2686	34.49	-10.38	24.11	40.00	-15.89	QP
5	210.0482	34.15	-8.28	25.87	40.00	-14.13	QP
6	294.1137	35.50	-5.03	30.47	47.00	-16.53	QP



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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.2111	40.19	-11.46	28.73	40.00	-11.27	QP
2	40.5591	38.56	-9.12	29.44	40.00	-10.56	QP
3	48.3318	35.54	-8.01	27.53	40.00	-12.47	QP
4	74.3955	43.79	-12.90	30.89	40.00	-9.11	QP
5	97.4560	37.89	-9.10	28.79	40.00	-11.21	QP
6	174.4241	36.24	-10.52	25.72	40.00	-14.28	QP



5. Harmonic Current Emissions

5.1 Test Procedure

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

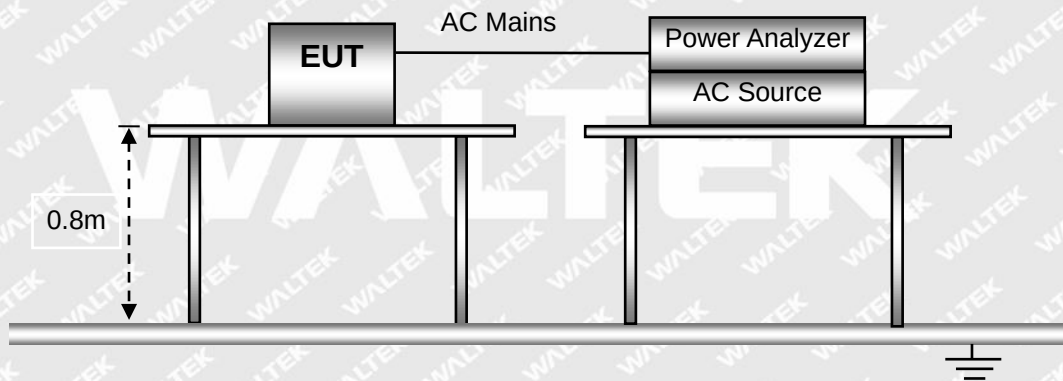
5.2 Test Standards

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

5.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

5.4 Basic Test Setup Block Diagram



5.5 Harmonic Current Emissions Test Data

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

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



6. Voltage Fluctuation Flicker

6.1 Test Procedure

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

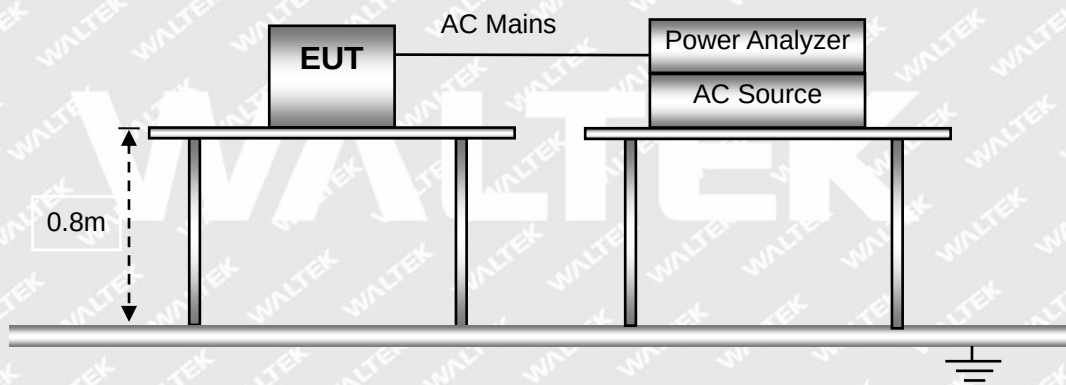
6.2 Test Standards

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

6.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

6.4 Basic Test Setup Block Diagram



6.5 Voltage Fluctuation and Flicker Test Data



Test mode:	TM1
------------	-----

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

Comment: TM1

Customer: Customer information

Test Result: Pass

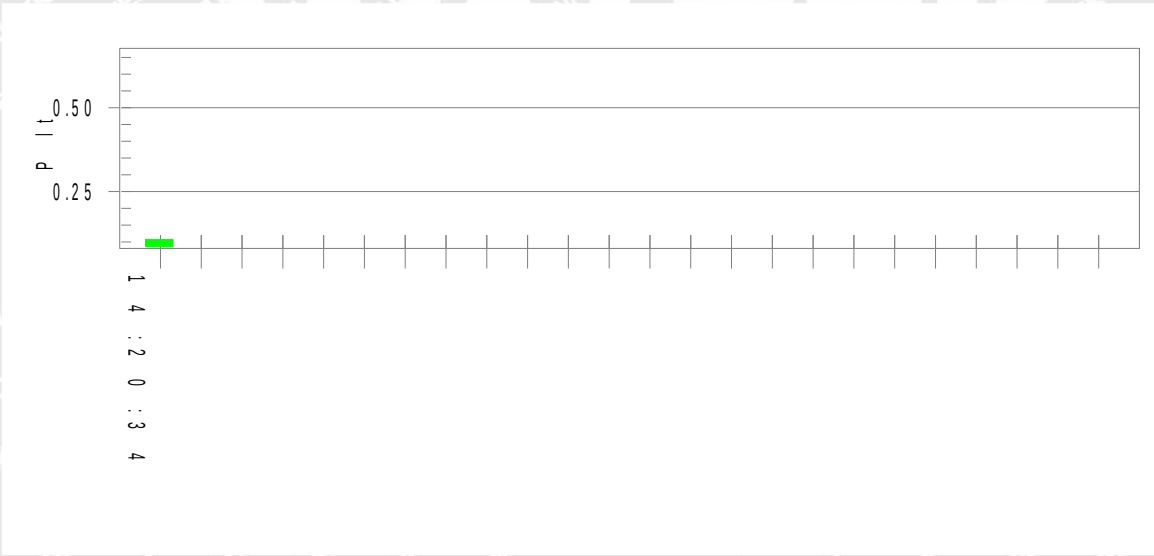
Status: Test Completed

Pst and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 229.90

Highest dt (%):

T-max (mS): 0

Highest dc (%): 0.00

Highest dmax (%): 0.00

Highest Pst (10 min. period): 0.247

Highest Plt (2 hr. period): 0.108

Test limit (%):

Test limit (mS): 500.0 Pass

Test limit (%): 3.30 Pass

Test limit (%): 4.00 Pass

Test limit: 1.000 Pass

Test limit: 0.650 Pass



Test mode:	TM3
------------	-----

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

Comment: TM3

Customer: Customer information

Test Result: Pass

Status: Test Completed

Pst and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 229.86

Highest dt (%):

T-max (mS): 0

Highest dc (%): 0.00

Highest dmax (%): -0.31

Highest Pst (10 min. period): 0.230

Highest Plt (2 hr. period): 0.101

Test limit (%):

Test limit (mS): 500.0 Pass

Test limit (%): 3.30 Pass

Test limit (%): 4.00 Pass

Test limit: 1.000 Pass

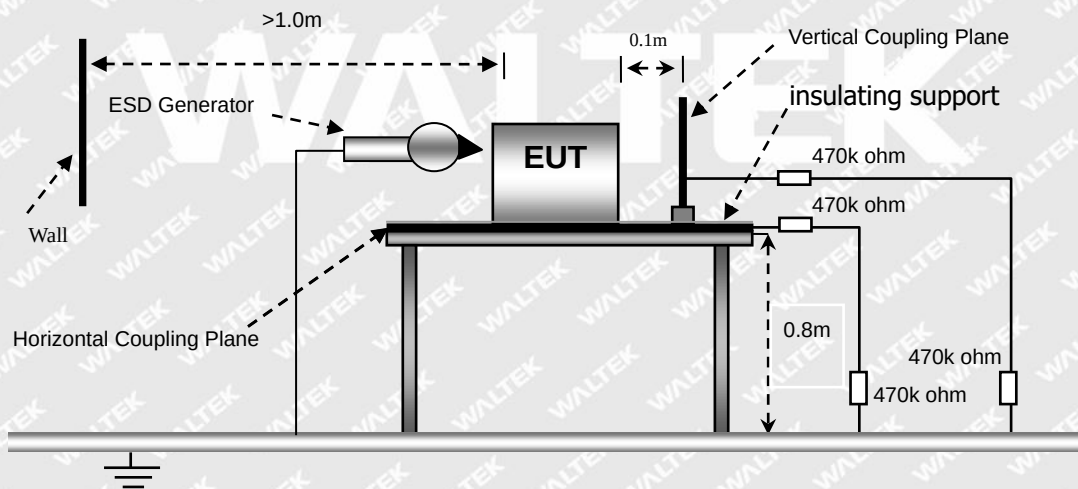
Test limit: 0.650 Pass

7.1 Test Procedure

7.2 Test Performance

7.3 Environmental Conditions

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 Points	Test Voltage (kV)									
	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Shell edge crack	A	A	A	A	A	A	A	A	/	/
Pilot lamp	A	A	A	A	A	A	A	A	/	/

Table 2: Electrostatic Discharge Immunity (Direct Contact)

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

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

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

Test Result: Pass



8. Continuous RF Electromagnetic Field Disturbances (RS)

8.1 Test Procedure

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

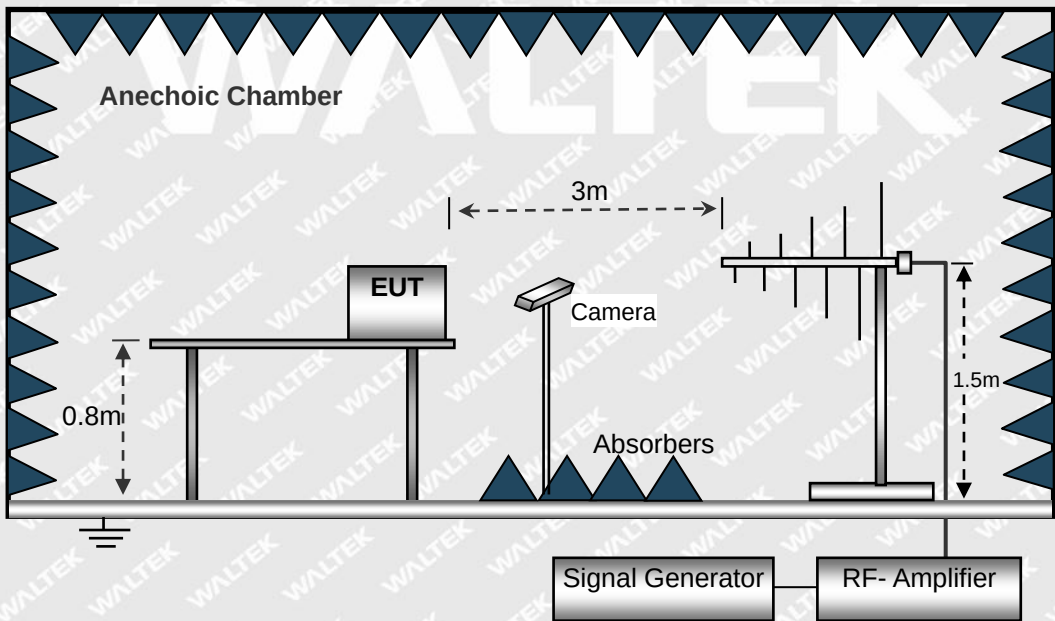
8.2 Test Performance

Performance Criterion: A

8.3 Environmental Conditions

Temperature:	23.0 °C
Relative Humidity:	54 %
ATM Pressure:	998 mbar

8.4 Basic Test Setup Block Diagram





8.5 Continuous Radiated Disturbances Test Data

Frequency step: 1% of fundamental

Dwell time: 1 second

Modulation: AM by 1kHz sine wave with 80% modulation depth

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
80-1000	3	A	A	A	A	A	A	A	A

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

Test Result: Pass



9. Electrical Fast Transients (EFT)

9.1 Test Procedure

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

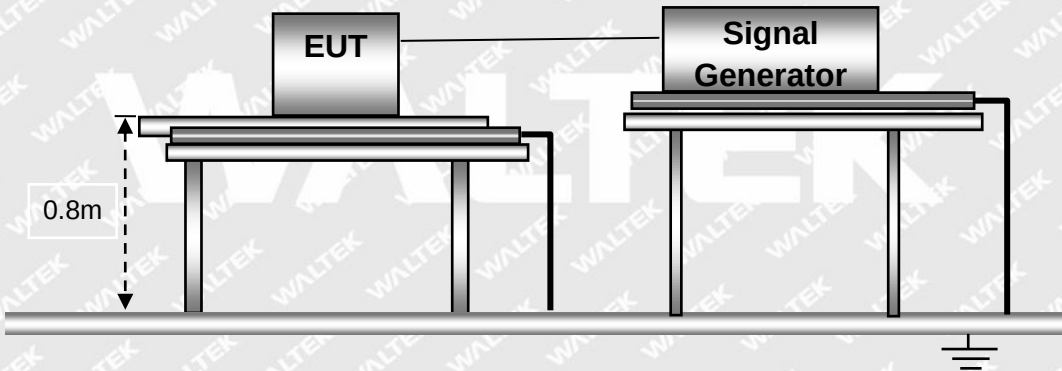
9.2 Test Performance

Performance Criterion: B

9.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

9.4 Basic Test Setup Block Diagram





9.5 Electrical Fast Transients Test Data

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

Test Result: Pass

WALTEK



10. Surges

10.1 Test Procedure

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

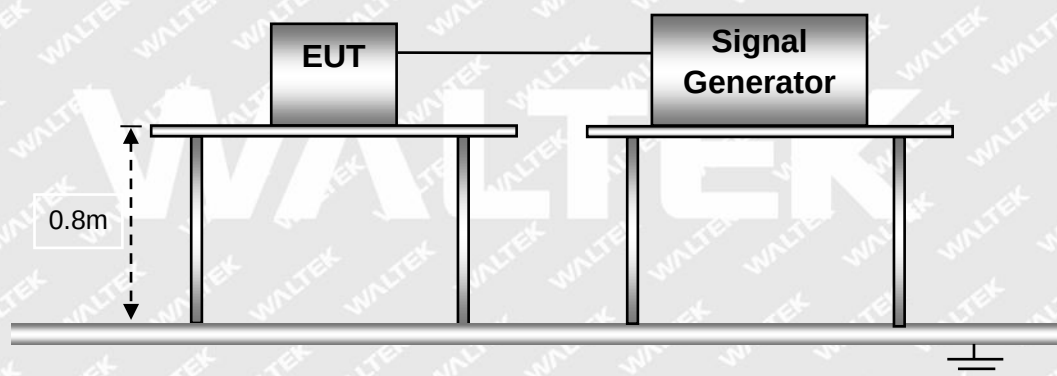
10.2 Test Performance

Performance Criterion: B

10.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

10.4 Basic Test Setup Block Diagram





10.5 Surge Test Data

AC Port

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

Test Result: Pass

WALTEK



11. Continuous Induced RF Disturbances (C/S)

11.1 Test Procedure

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

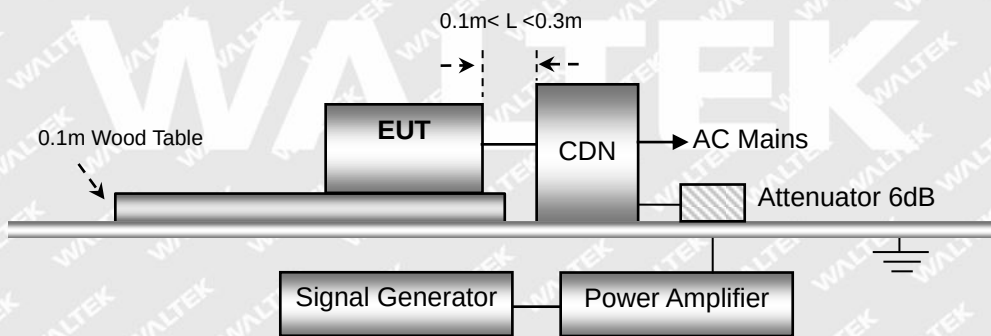
11.2 Test Performance

Performance Criterion: A

11.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

11.4 Basic Test Setup Block Diagram





11.5 Continuous Conducted Disturbances Test Data

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

AC Port

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

Test Result: Pass

WALTEK



12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

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

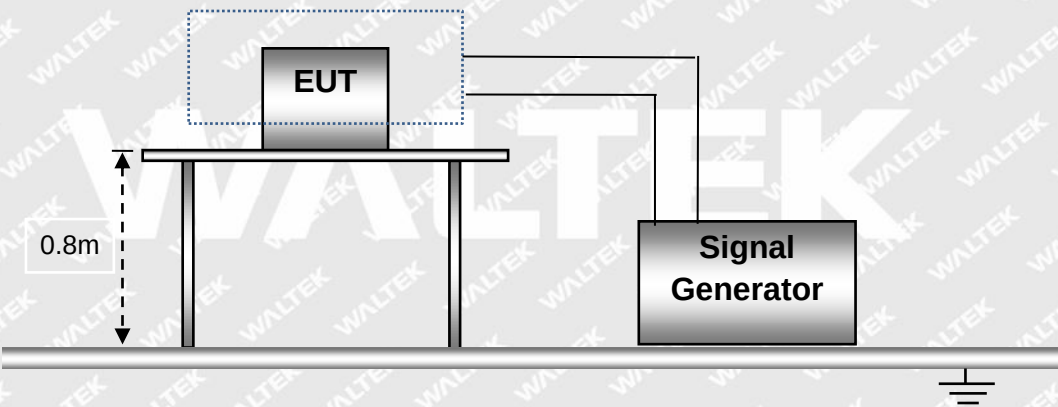
12.2 Test Performance

Performance Criterion: A

12.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

12.4 Basic Test Setup Block Diagram



12.5 Power-Frequency Magnetic Field Test Data

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

Test Result: Pass



13. Voltage Dips and Interruptions

13.1 Test Procedure

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

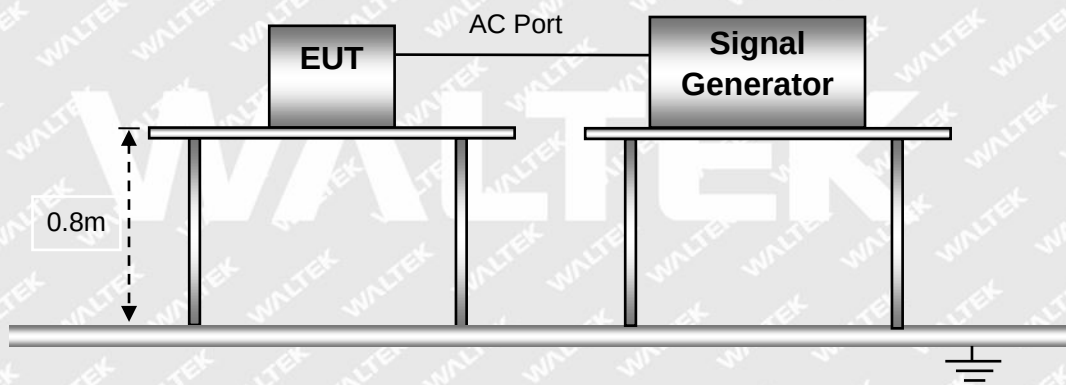
13.2 Test Performance

Performance Criterion: B/C

13.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 mbar

13.4 Basic Test Setup Block Diagram



13.5 Voltage Dips And Interruptions Test Data

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

T: Test duration

Level	U	T	Phase Angle	N	Pass	Fail
1	100%	10ms	0/90/180/270	3	A	/
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

POWER SUPPLY

Model: GT (M or -) 41060 (- or CC) WWVV-X.X

Brand: 

Importer Name: XXX

Importer Address: XXX

GlobTek, Inc.

186 Veterans Dr. Northvale, NJ 07647 USA



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

Proposed Label Location on EUT

Label Location





EXHIBIT 2 - EUT PHOTOGRAPHS

GTM41060-1505

EUT View 1



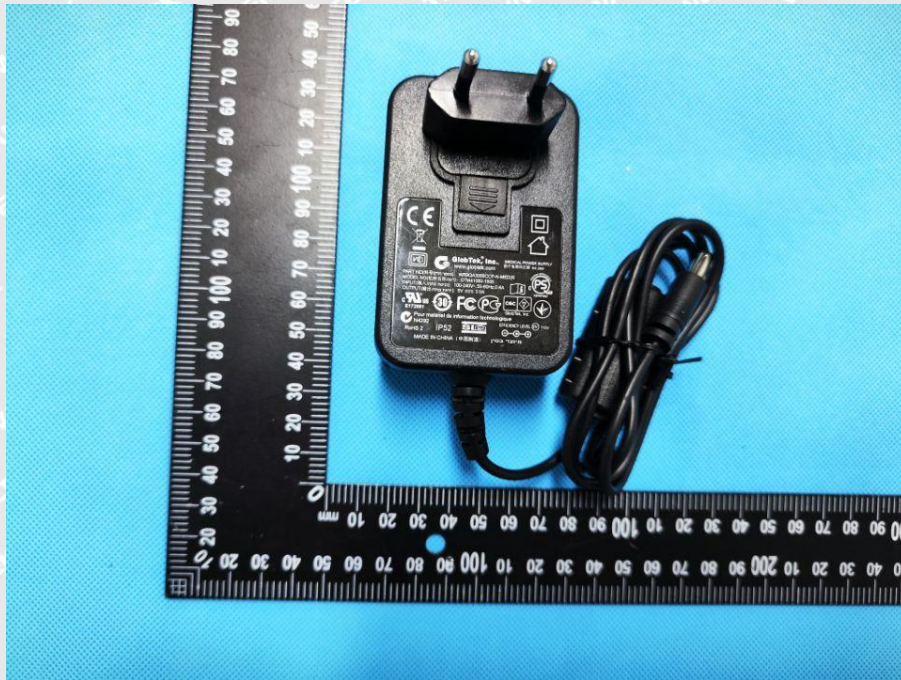
EUT View 2





Reference No.: WTX23X12276828E001

EUT View 3



EUT View 4



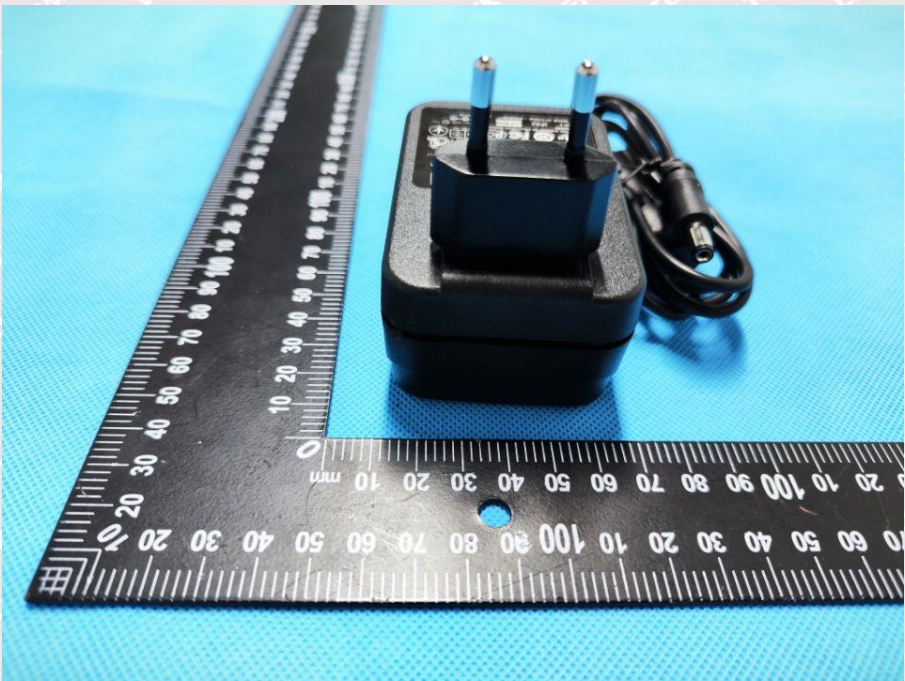


Reference No.: WTX23X12276828E001

EUT View 5



EUT View 6



Reference No.: WTX23X12276828E001



EUT View 7



WALTEK



Reference No.: WTX23X12276828E001

GTM41060-2530
EUT View 8



EUT View 9





Reference No.: WTX23X12276828E001

EUT View 10



EUT View 11





Reference No.: WTX23X12276828E001

EUT View 12



EUT View 13





EUT View 14



WALTEK



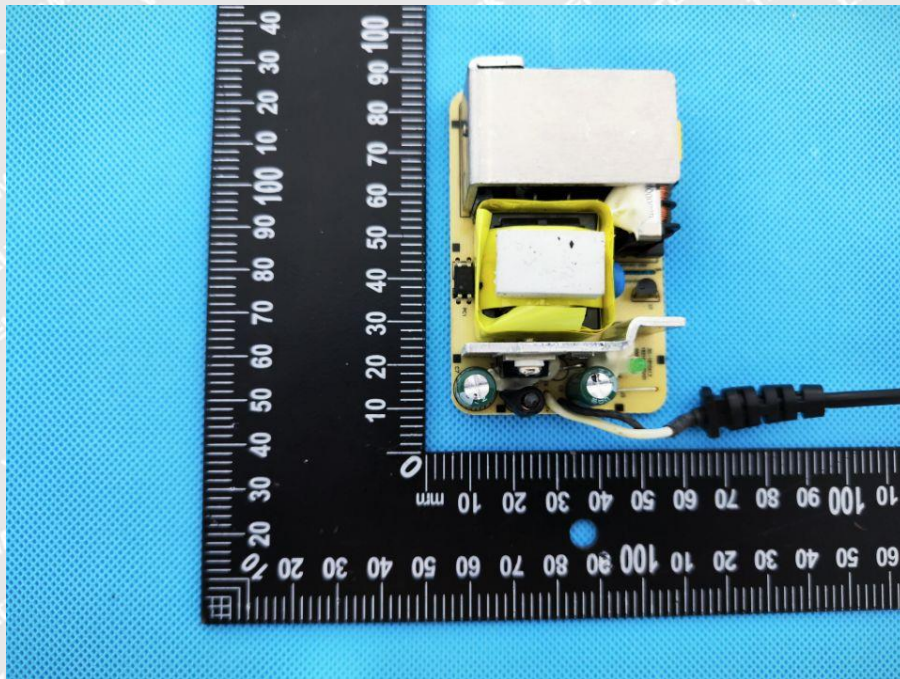
Reference No.: WTX23X12276828E001

GTM41060-1505

EUT Housing and Board View 1



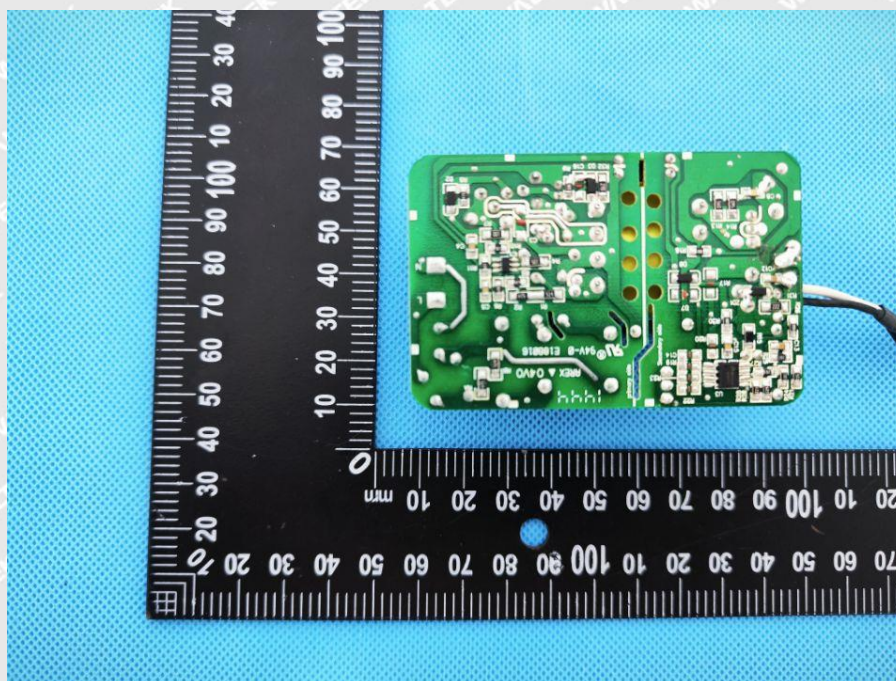
Solder Board-Component View 2





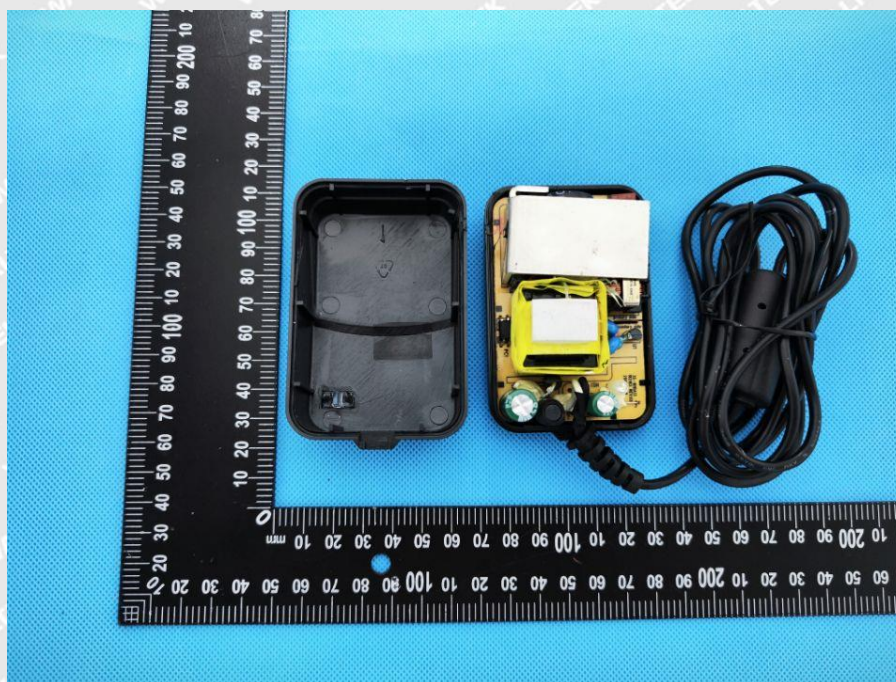
Reference No.: WTX23X12276828E001

Solder Board-Component View 3



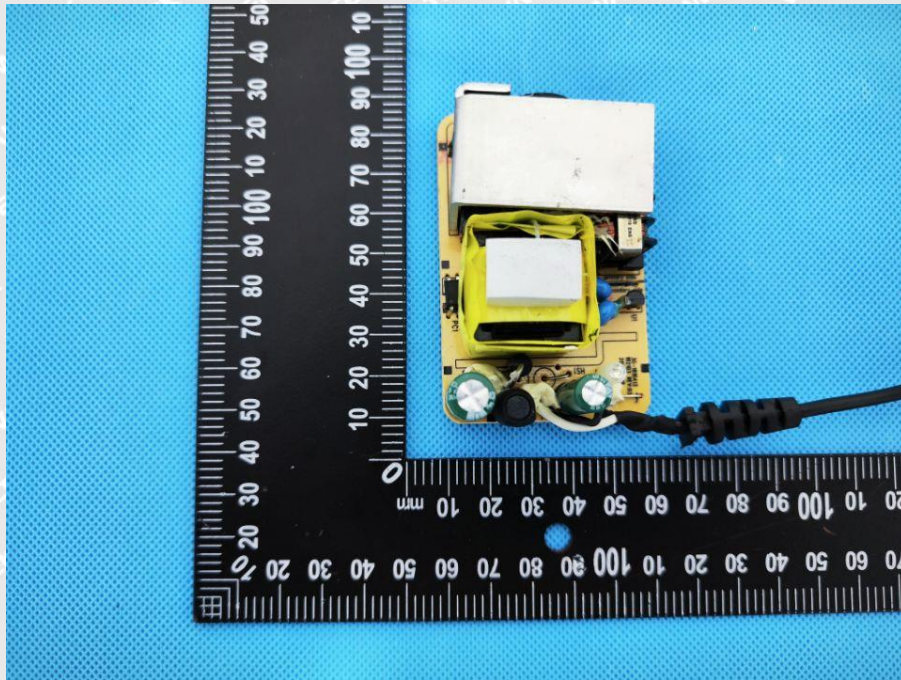
GTM41060-2530

EUT Housing and Board View 4





Solder Board-Component View 5



Solder Board-Component View 6

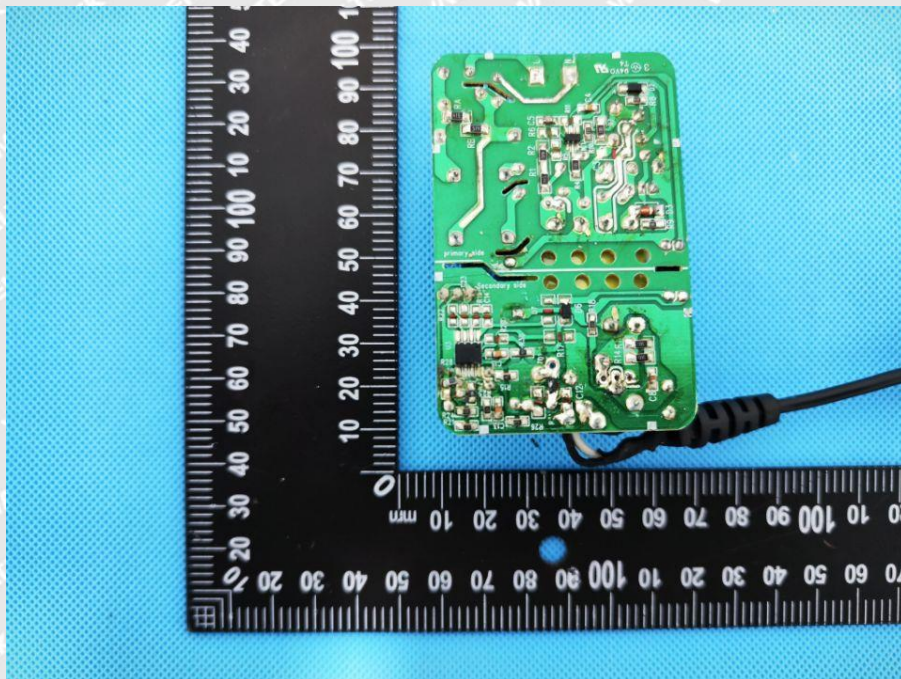


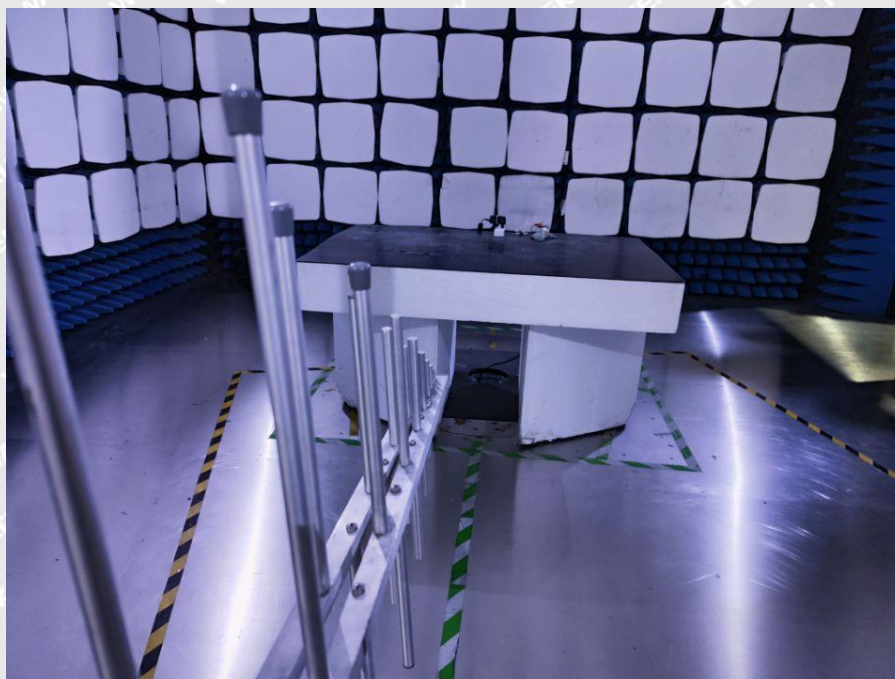


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conduction Emission Test View



Radiation Emission Test View



Reference No.: WTX23X12276828E001

Harmonic/Flicker Test View



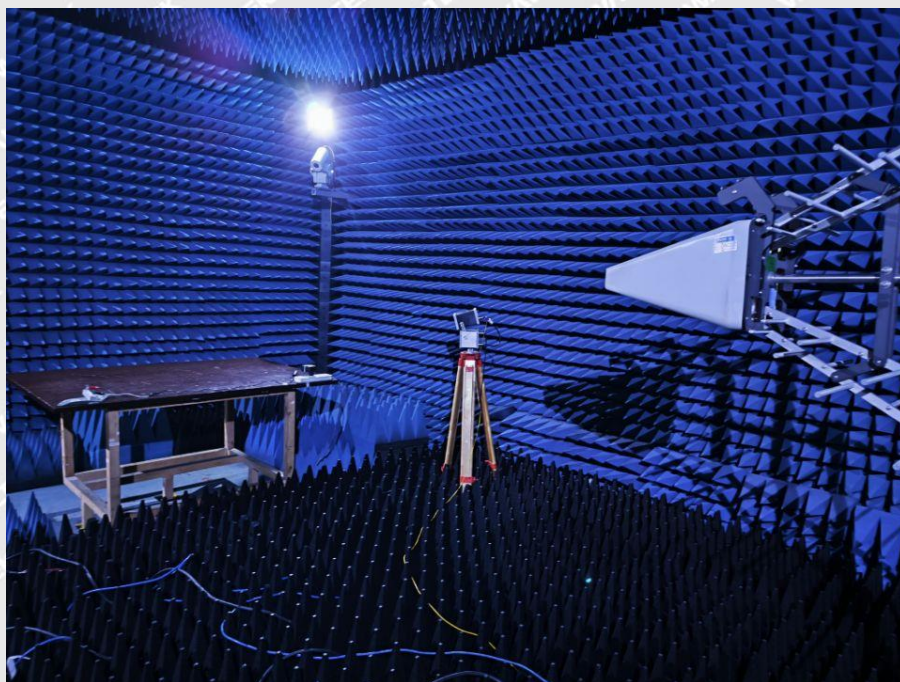
EN 61000-4-2 Test View



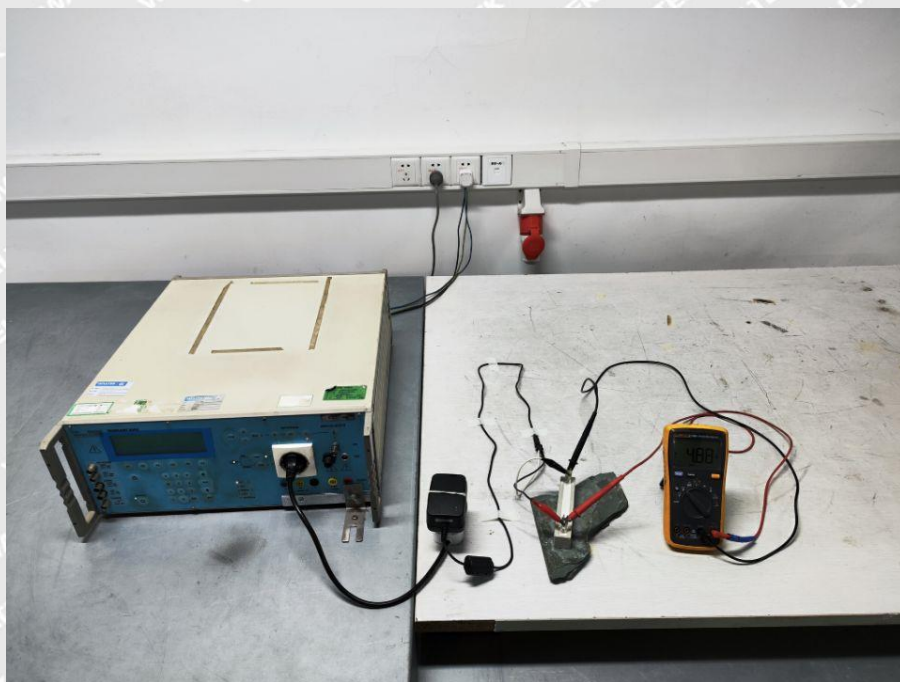


Reference No.: WTX23X12276828E001

EN 61000-4-3 Test View



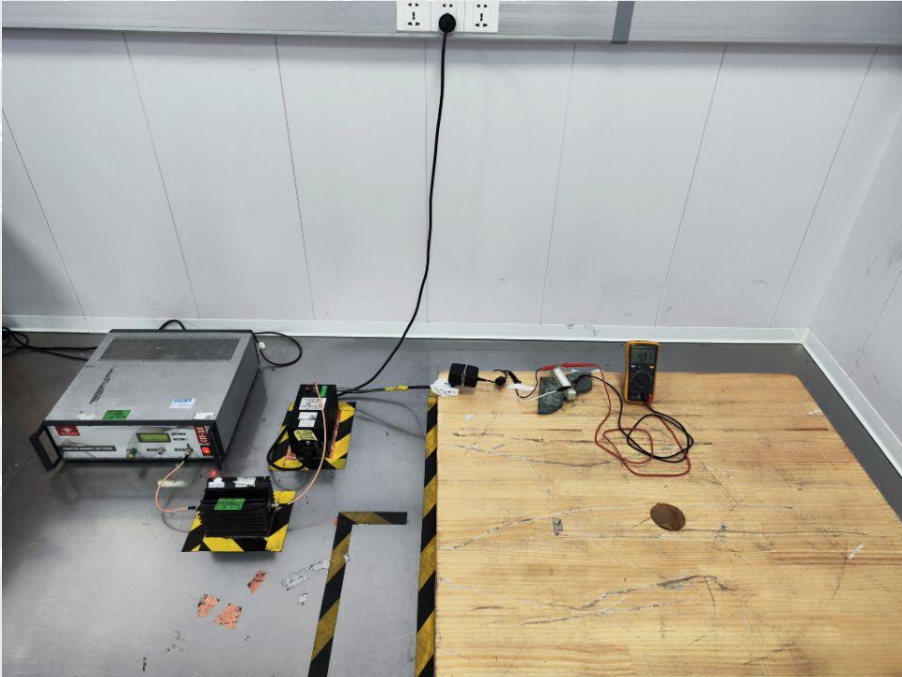
EN 61000-4-4/5/11 Test View





Reference No.: WTX23X12276828E001

EN 61000-4-6 Test View



EN 61000-4-8 Test View



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