



TEST REPORT

Reference No..... : WTX25X07178061E
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*91120-****
Standards..... : EN 55032:2015+A1:2020
EN IEC 61000-3-2:2019+A1:2021+A2:2024
EN 61000-3-3:2013+A1:2019+A2:2021
EN 55035:2017+A11:2020
Date of Receipt sample..... : 2025-08-29
Date of Test..... : 2025-08-29 to 2025-09-01
Date of Issue..... : 2025-09-02
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
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Report version

Version No.	Date of issue	Description
Rev.00	2025-09-02	Original
/	/	/

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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*91120-*****
Adding Model(s):	/
<p><i>Note: The test data is gathered from production sample, provided by the manufacturer.</i></p> <p>GT*91120-*****</p> <p><i>The 1st “*” part can be ‘M’ or ‘-’ or ‘H’ for market identification and not related to safety.</i></p> <p><i>The 2nd “**” denotes the rated output wattage designation, which can be “01” to “30”, with interval of 1.</i></p> <p><i>The 3rd “*” denotes the standard rated output voltage designation, which can be “07.5”, “10.5”, “14.5”, “19.5”, “24”, “36”, or “48”.</i></p> <p><i>The 4th “*” is optional deviation, subtracted from standard output voltage, which can be “-0.01” to “-11.9” with interval of 0.01, or blank to indicate no voltage different.</i></p> <p><i>The 3rd “*” and 4th “*” together denote the output voltage, with a range of 5 - 48 volts.</i></p> <p><i>The 5th “*” = -T2 means desktop class II with C8 AC inlet</i></p> <p><i>= -T3A means desktop class I or class II with functional earth with C6 AC inlet</i></p> <p><i>= -F means Open Frame class I or class II with functional earth</i></p> <p><i>= -FW means Open Frame class II</i></p> <p><i>= -P2 means Encapsulated class II</i></p> <p><i>= -P3 means Encapsulated class I or class II with functional earth</i></p> <p><i>The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.</i></p>	



Technical Characteristics of EUT	
Power Supply:	AC 100-240V, 50-60Hz or 50/60Hz
Power Adaptor:	/
Cable:	Adapter Model: GTM91120-1507.5-2.5-P2 AC line *1 (length 3.57m, Unshielded, Without Ferrite, Without Chip), DC line *1 (length 1.55m, Unshielded, Without Ferrite, Without Chip) Adapter Model: GTM91120-3036-6.0-P2 AC line *1 (length 0.30m, Unshielded, Without Ferrite, Without Chip), DC line *1 (length 0.30m, Unshielded, Without Ferrite, Without Chip) Adapter Model: GTM91120-3048-T3A DC line *1 (length 1.90m, Unshielded, With Ferrite, Without Chip)
Output Power/Current:	GTM91120-1507.5-2.5-P2:DC 5V/3A,15W. GTM91120-3036-6.0-P2:DC 30V/1A,30W GTM91120-3048-T3A:DC 48V/0.625A,30W.
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B

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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 IEC 61000-3-2:2019+A1:2021+A2:2024: Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16A per phase)

EN 61000-3-3:2013+A1:2019+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 $\leq 16A$ per phase and not subject to conditional connection

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

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 Location

Laboratory: 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

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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:

No	Title	Description
TM1	Adapter Model: GTM91120-1507.5-2.5-P2	Working Mode: AC 230V/50Hz, Output port is connected to Cement load
TM2	Adapter Model: GTM91120-3036-6.0-P2	Working Mode: AC 230V/50Hz, Output port is connected to Cement load
TM3	Adapter Model: GTM91120-3048-T3A	Working Mode: AC 230V/50Hz, Output port is connected to Cement load

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
Cement load	/	/	/

1.5 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions (AC Mains 150k - 30MHz)	$\pm 3.34\text{dB}$
Radiated Emissions (30M - 1000MHz)	30-200MHz: $\pm 4.52\text{dB}$ 200-1000MHz: $\pm 5.56\text{dB}$

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1.6 Test Equipment List and Details

Conducted emissions from AC mains power ports (150kHz-30MHz)					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
LISN	Rohde & Schwarz	ENV 216	100097	2025-02-23	2026-02-22
EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2025-02-23	2026-02-22
8-WIRE ISN CAT5	Schwarz beck	8158	CAT5-8158-0117	2025-02-23	2026-02-22
EMI Test Software (Conducted Emission Room 2#)	Farad	EZ-EMC	3A1*CE-RE 1.1.4.3	/	/

Radiated emissions (30MHz-1GHz)					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2025-02-23	2026-02-22
Amplifier	Agilent	8447D	2944A10457	2025-02-23	2026-02-22
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2024-03-17	2027-03-16
EMI Test Software (Radiated Emission B)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)	/	/

Voltage fluctuations and flicker					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Power Source	California Instrument	5001IX-CTS-400	60077	2025-02-23	2026-02-22
Digital Power Analyzer	California Instrument	CTS	72831	2025-02-23	2026-02-22
Test Software (Harmonics & Flicker)	AMETEK	CTS4	4.32	/	/

Electrostatic discharges					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
ESD Generator	LIONCEL	ESD-203B	0170901	2025-02-23	2026-02-22



RF electromagnetic field disturbances					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Power Meter	Agilent	E4419B	GB42420578	2025-02-23	2026-02-22
Antenna	SCHWARZBECK	STLP 9129	9129 114	/	/
RF Power Amplifier	MicoTop	MPA-1000-6000-100	MPA1906238	2025-02-23	2026-02-22
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2025-02-23	2026-02-22
Power Sensor	Agilent	E9304A	MY55081055	2025-02-23	2026-02-22
Power Sensor	Agilent	E9301A	MY52450001	2025-02-23	2026-02-22
Signal Generator	HP	8665B	3438A00604	2025-02-23	2026-02-22
Test Software (Radio frequency electromagnetic Field)	EMtrace	EM3	V1.2.6.2	/	/

Electrical fast transients / burst for AC mains power ports					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
EFT Generator	EVERFINE	EMS61000-4A	P635789CS1 441117	2025-06-11	2026-06-10

Surges for AC mains power ports					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Surge Generator	EVERFINE	EMS61000-5A	P612004TD1 441112	2025-06-11	2026-06-10

Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
EM Clamp	TESEQ	KEMZ801A	45028	2025-02-23	2026-02-22
CDN	LIONCEL	CDN-T8	0210401	2025-02-23	2026-02-22
CDN	Luthi	L-801M2/M3	2665	2025-02-23	2026-02-22
Attenuator	EMTEST	MA-5100/6BF2	1009	2025-02-23	2026-02-22
CONDUCTED IMMUNITY TEST SYSTEM	FRANKONIA	CIT-10/75	126B1247/20 13	2025-02-23	2026-02-22
Test Software (Radio frequency, Continuous conducted)	SKET	EMC-S	V1.4.0.16	/	/



Power frequency magnetic field					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2025-02-23	2026-02-22
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2025-02-23	2026-02-22
PMF Generator	LIONCEL	PMF-801C-C	0171101	2025-02-23	2026-02-22

Voltage dips and interruptions					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Voltage sag generator	EVERFINE	EMS61000-11C	P660569CM1 451112	2025-06-11	2026-06-10

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2. SUMMARY OF TEST RESULTS

Item	Standard	Method	Result
Conducted emissions from AC mains power ports (150kHz-30MHz)	EN 55032:2015+A1:2020	Clause 7 of CISPR 16-2-1:2014/AMD1:2017	Compliant
Radiated emissions (30MHz-1GHz)	EN 55032:2015+A1:2020	Clause 7.3 of CISPR 16-2-3:2016	Compliant
Harmonic current emission	EN IEC 61000-3-2:2019+A1:2021 +A2:2024	EN IEC 61000-3-2:2019+A1:2021 +A2:2024	Compliant
Voltage fluctuations and flicker	EN 61000-3-3:2013+A1:2019 +A2:2021	EN 61000-3-3:2013+A1:2019 +A2:2021	Compliant
Electrostatic discharges	EN 55035:2017+A11:2020	EN 61000-4-2: 2009	Compliant
RF electromagnetic field disturbances	EN 55035:2017+A11:2020	EN IEC 61000-4-3: 2020	Compliant
Electrical fast transients / burst for AC mains power ports	EN 55035:2017+A11:2020	EN 61000-4-4: 2012	Compliant
Surges for AC mains power ports	EN 55035:2017+A11:2020	EN 61000-4-5: 2014 +A1: 2017	Compliant
Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)	EN 55035:2017+A11:2020	EN 61000-4-6: 2014	Compliant
Power frequency magnetic field	EN 55035:2017+A11:2020	EN 61000-4-8: 2010	Compliant
Voltage dips and interruptions	EN 55035:2017+A11:2020	EN IEC 61000-4-11:2020	Compliant



3. Evaluation Results (Evaluation)

3.1 Harmonic current emission

Test Requirement:	Class A
Test Limit:	Not specified
Test Method:	EN IEC 61000-3-2:2019+A1:2021+A2:2024

3.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.5 °C
Relative Humidity:	55.5 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

3.1.2 Summary of Test Results

Refer to EN IEC 61000-3-2 clause 7.1:

"For the following categories of equipment, limits are not specified in this document:

- lighting equipment with a rated power less than but not equal to 5 W;
- equipment with a rated power of 75 W or less, other than lighting equipment;"

Since the rated power of the EUT is less than above described, it is deemed to comply with the requirement.

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4.1 Conducted emissions from AC mains power ports (150kHz-30MHz)

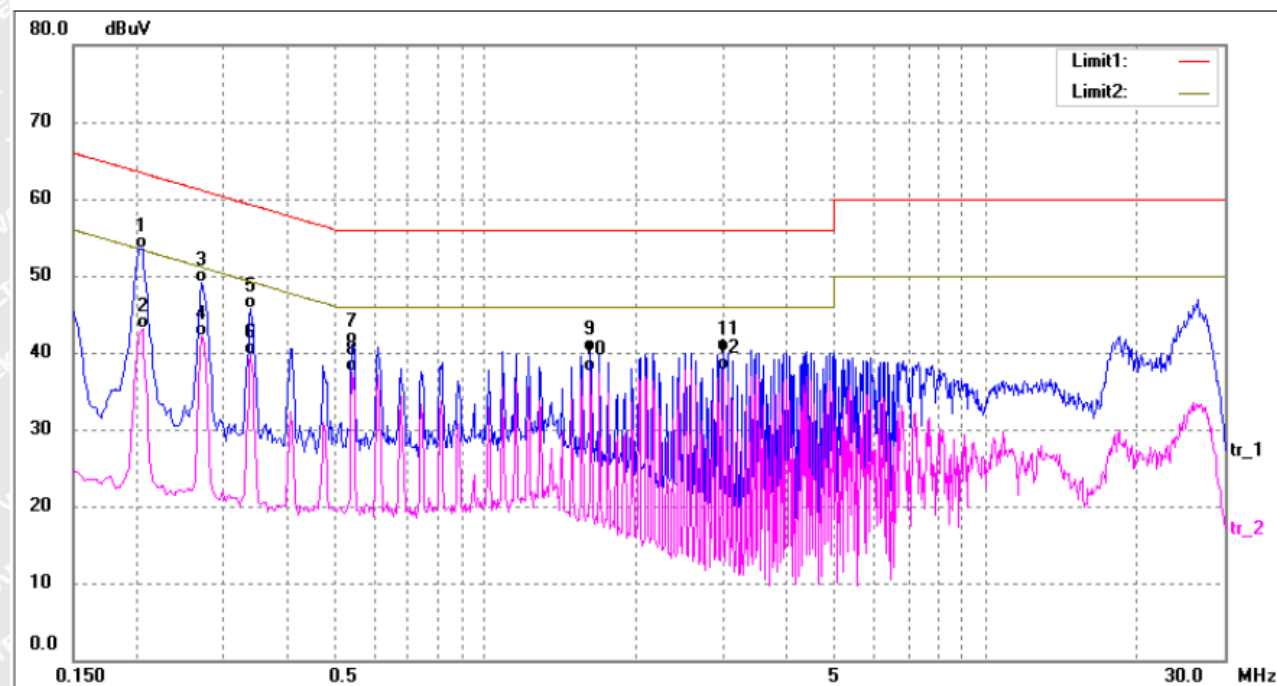
4.1.1 E.U.T. Operation

4.1.2 Basic Test Setup Block Diagram





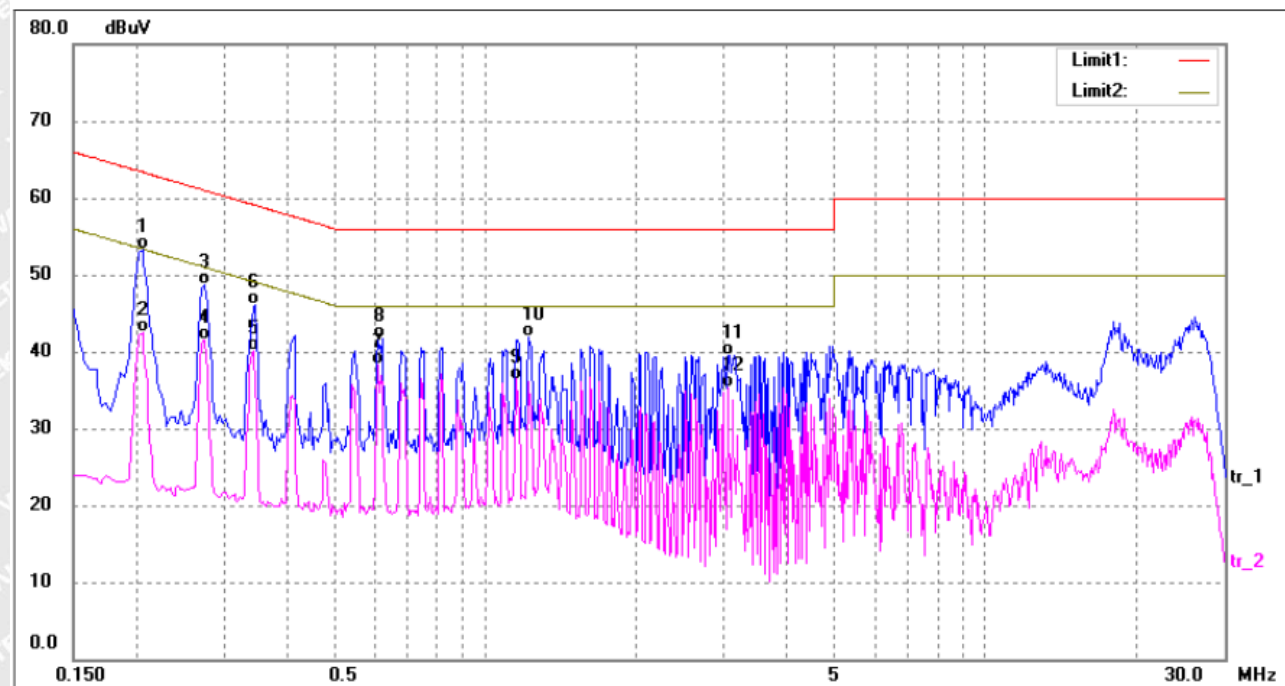
TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2020	43.93	9.63	53.56	63.52	-9.96	QP
2	0.2060	33.56	9.63	43.19	53.36	-10.17	AVG
3	0.2700	39.44	9.63	49.07	61.12	-12.05	QP
4	0.2700	32.44	9.63	42.07	51.12	-9.05	AVG
5	0.3379	36.02	9.63	45.65	59.25	-13.60	QP
6	0.3379	30.12	9.63	39.75	49.25	-9.50	AVG
7	0.5420	31.40	9.67	41.07	56.00	-14.93	QP
8	0.5420	27.89	9.67	37.56	46.00	-8.44	AVG
9	1.6260	30.66	9.51	40.17	56.00	-15.83	QP
10	1.6260	28.05	9.51	37.56	46.00	-8.44	AVG
11	2.9820	30.68	9.40	40.08	56.00	-15.92	QP
12*	2.9820	28.21	9.40	37.61	46.00	-8.39	AVG



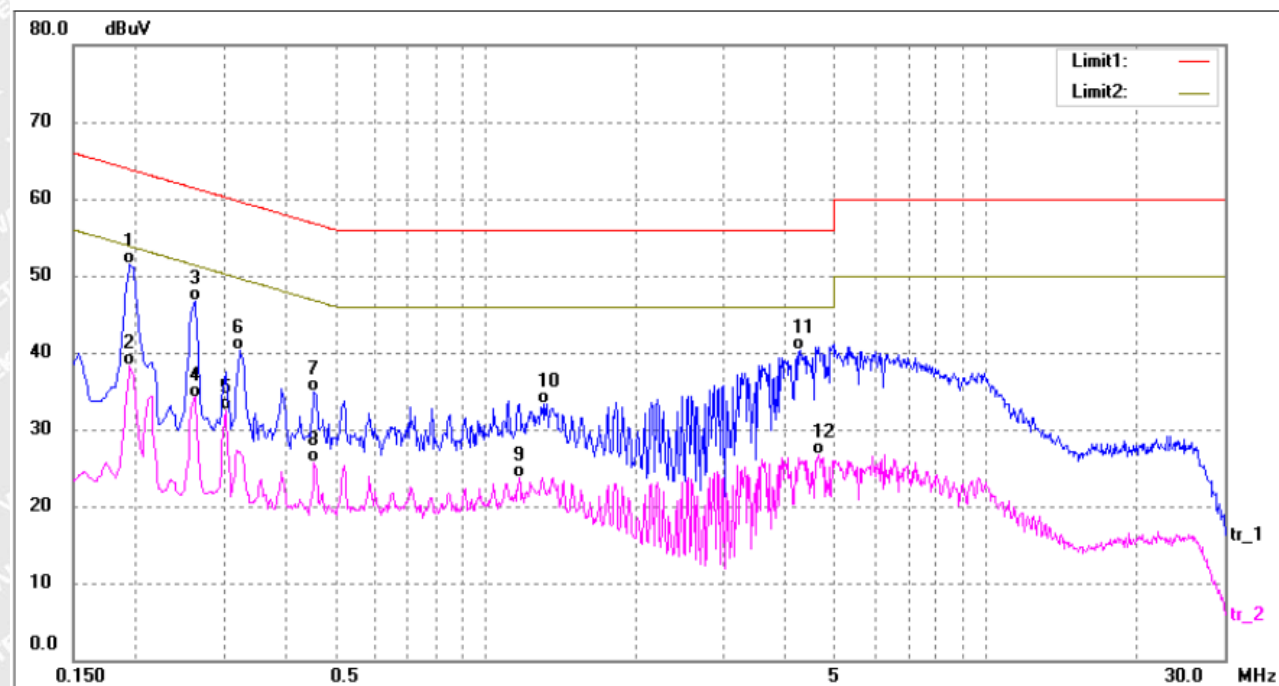
TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2060	43.59	9.63	53.22	63.36	-10.14	QP
2	0.2060	32.82	9.63	42.45	53.36	-10.91	AVG
3	0.2740	39.02	9.63	48.65	60.99	-12.34	QP
4	0.2740	31.88	9.63	41.51	50.99	-9.48	AVG
5	0.3420	30.55	9.63	40.18	49.15	-8.97	AVG
6	0.3460	36.47	9.63	46.10	59.06	-12.96	QP
7*	0.6100	28.68	9.69	38.37	46.00	-7.63	AVG
8	0.6220	31.96	9.70	41.66	56.00	-14.34	QP
9	1.1539	26.70	9.70	36.40	46.00	-9.60	AVG
10	1.2220	32.31	9.67	41.98	56.00	-14.02	QP
11	3.0460	30.19	9.40	39.59	56.00	-16.41	QP
12	3.0460	25.84	9.40	35.24	46.00	-10.76	AVG



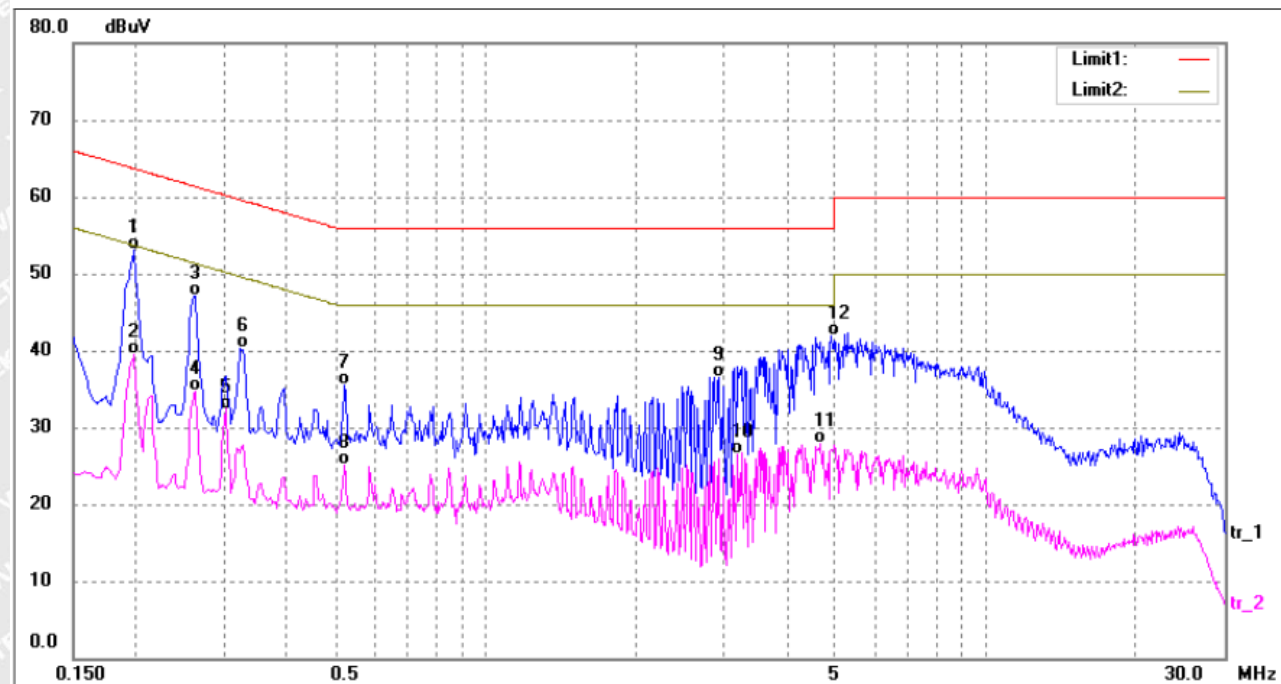
TM2 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1940	41.98	9.61	51.59	63.86	-12.27	QP
2	0.1940	28.62	9.61	38.23	53.86	-15.63	AVG
3	0.2620	37.04	9.63	46.67	61.36	-14.69	QP
4	0.2620	24.57	9.63	34.20	51.36	-17.16	AVG
5	0.3020	22.94	9.63	32.57	50.19	-17.62	AVG
6	0.3220	30.63	9.63	40.26	59.65	-19.39	QP
7	0.4540	25.27	9.65	34.92	56.80	-21.88	QP
8	0.4540	16.10	9.65	25.75	46.80	-21.05	AVG
9	1.1700	14.03	9.69	23.72	46.00	-22.28	AVG
10	1.3260	23.66	9.63	33.29	56.00	-22.71	QP
11	4.2500	30.79	9.48	40.27	56.00	-15.73	QP
12	4.6300	17.25	9.53	26.78	46.00	-19.22	AVG



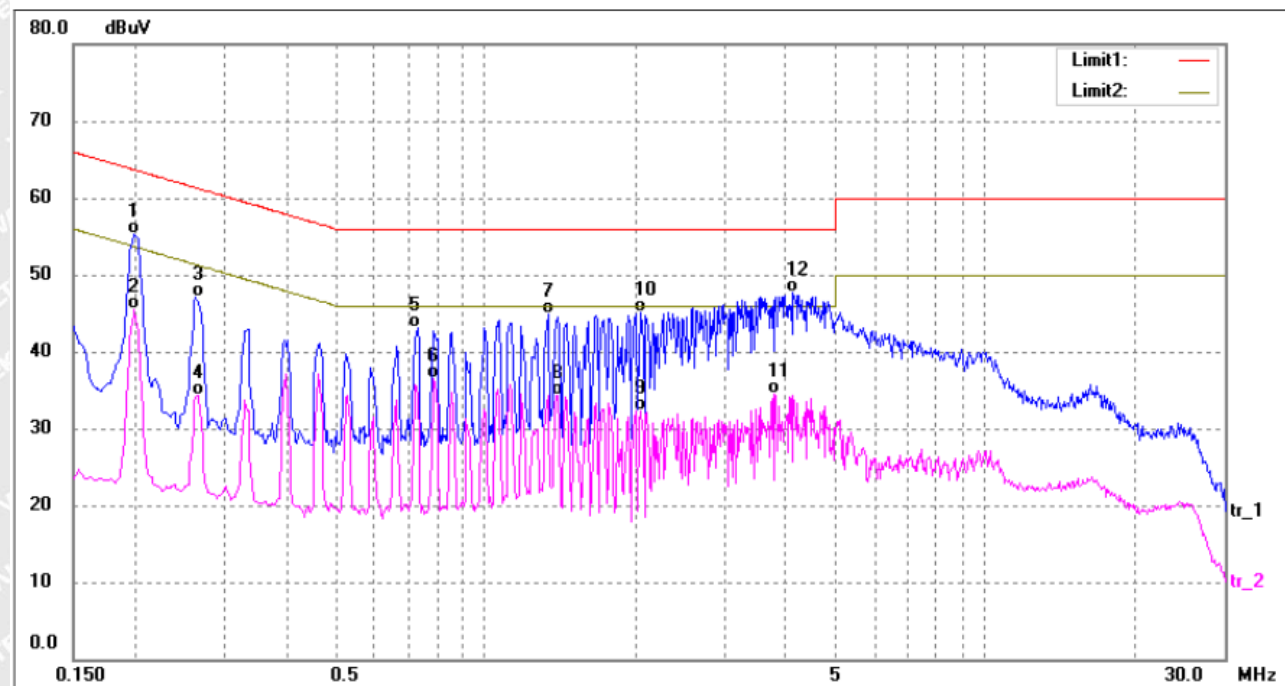
TM2 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1980	43.39	9.62	53.01	63.69	-10.68	QP
2	0.1980	29.81	9.62	39.43	53.69	-14.26	AVG
3	0.2620	37.49	9.63	47.12	61.36	-14.24	QP
4	0.2620	25.01	9.63	34.64	51.36	-16.72	AVG
5	0.3020	22.77	9.63	32.40	50.19	-17.79	AVG
6	0.3220	30.65	9.63	40.28	59.65	-19.37	QP
7	0.5220	25.85	9.66	35.51	56.00	-20.49	QP
8	0.5220	15.45	9.66	25.11	46.00	-20.89	AVG
9	2.9219	27.17	9.40	36.57	56.00	-19.43	QP
10	3.1980	17.05	9.41	26.46	46.00	-19.54	AVG
11	4.6740	18.34	9.54	27.88	46.00	-18.12	AVG
12	4.9020	32.37	9.56	41.93	56.00	-14.07	QP



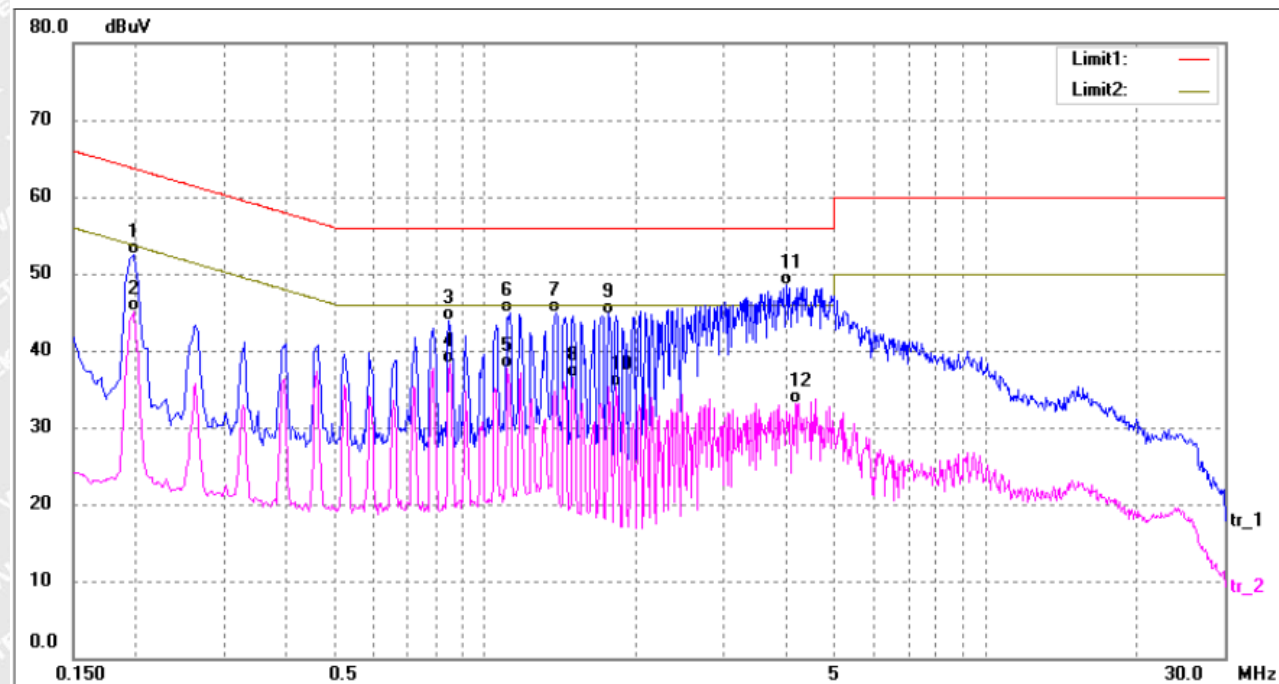
TM3 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1980	45.69	9.62	55.31	63.69	-8.38	QP
2*	0.1980	35.79	9.62	45.41	53.69	-8.28	AVG
3	0.2620	37.41	9.63	47.04	61.36	-14.32	QP
4	0.2660	24.68	9.63	34.31	51.24	-16.93	AVG
5	0.7340	33.42	9.74	43.16	56.00	-12.84	QP
6	0.7900	26.67	9.75	36.42	46.00	-9.58	AVG
7	1.3340	35.26	9.63	44.89	56.00	-11.11	QP
8	1.3940	24.75	9.60	34.35	46.00	-11.65	AVG
9	2.0380	22.87	9.36	32.23	46.00	-13.77	AVG
10	2.0460	35.80	9.36	45.16	56.00	-10.84	QP
11	3.7980	25.07	9.45	34.52	46.00	-11.48	AVG
12	4.1300	38.21	9.47	47.68	56.00	-8.32	QP



TM3 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1980	42.79	9.62	52.41	63.69	-11.28	QP
2	0.1980	35.42	9.62	45.04	53.69	-8.65	AVG
3	0.8460	34.10	9.75	43.85	56.00	-12.15	QP
4	0.8500	28.47	9.75	38.22	46.00	-7.78	AVG
5	1.1100	27.98	9.72	37.70	46.00	-8.30	AVG
6	1.1180	35.23	9.71	44.94	56.00	-11.06	QP
7	1.3820	35.29	9.61	44.90	56.00	-11.10	QP
8	1.4980	27.03	9.56	36.59	46.00	-9.41	AVG
9	1.7660	35.35	9.45	44.80	56.00	-11.20	QP
10	1.8260	25.87	9.43	35.30	46.00	-10.70	AVG
11*	3.9980	39.02	9.46	48.48	56.00	-7.52	QP
12	4.1620	23.61	9.48	33.09	46.00	-12.91	AVG



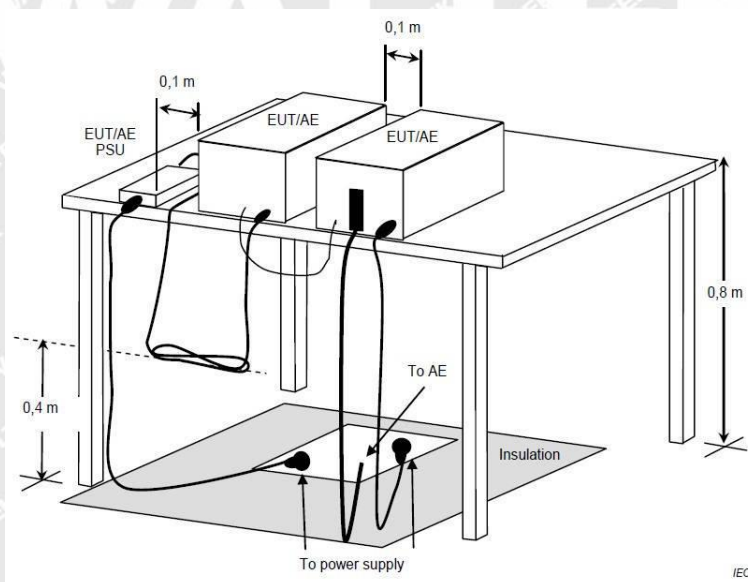
4.2 Radiated emissions (30MHz-1GHz)

Test Requirement:	Class B		
Test Limit:	Frequency (MHz)	Limit [dB(uV/m) at 10m]	Limit [dB(uV/m) at 3m]
	30 to 230	30	40
	230 to 1000	37	47
	Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz	
Test Method:	Clause 7.3 of CISPR 16-2-3:2016		
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor		

4.2.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

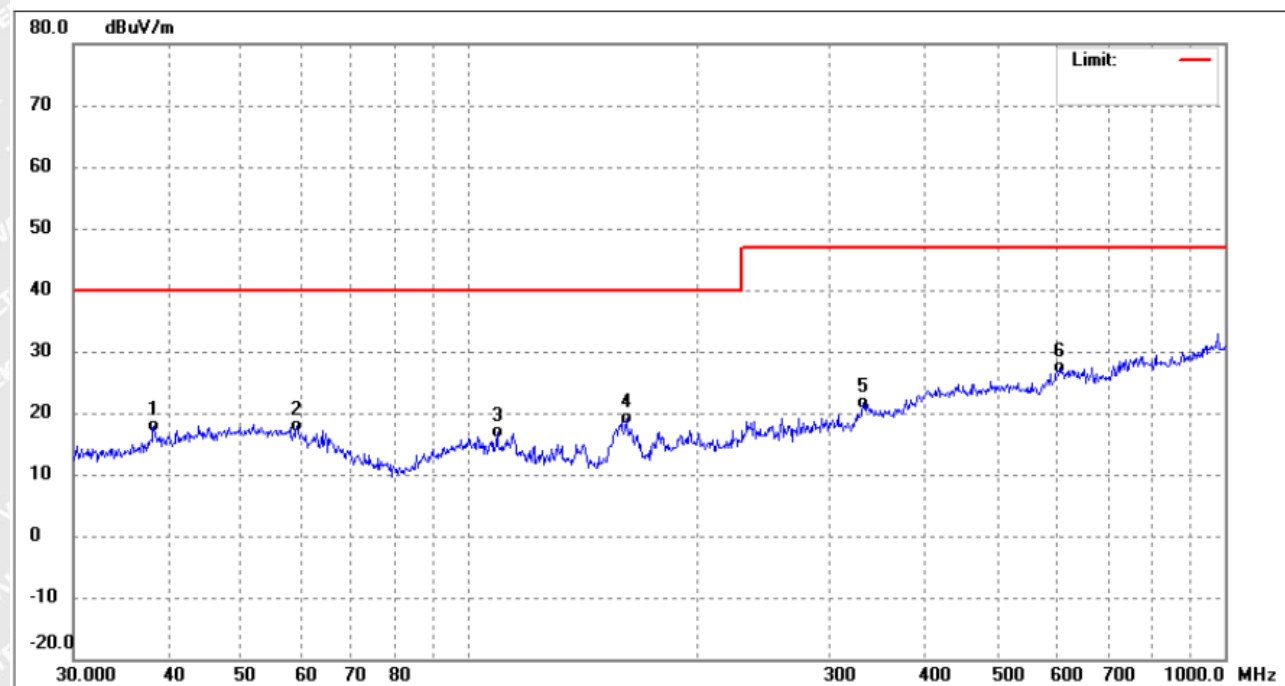
4.2.2 Basic Test Setup Block Diagram



4.2.3 Summary of Test Results



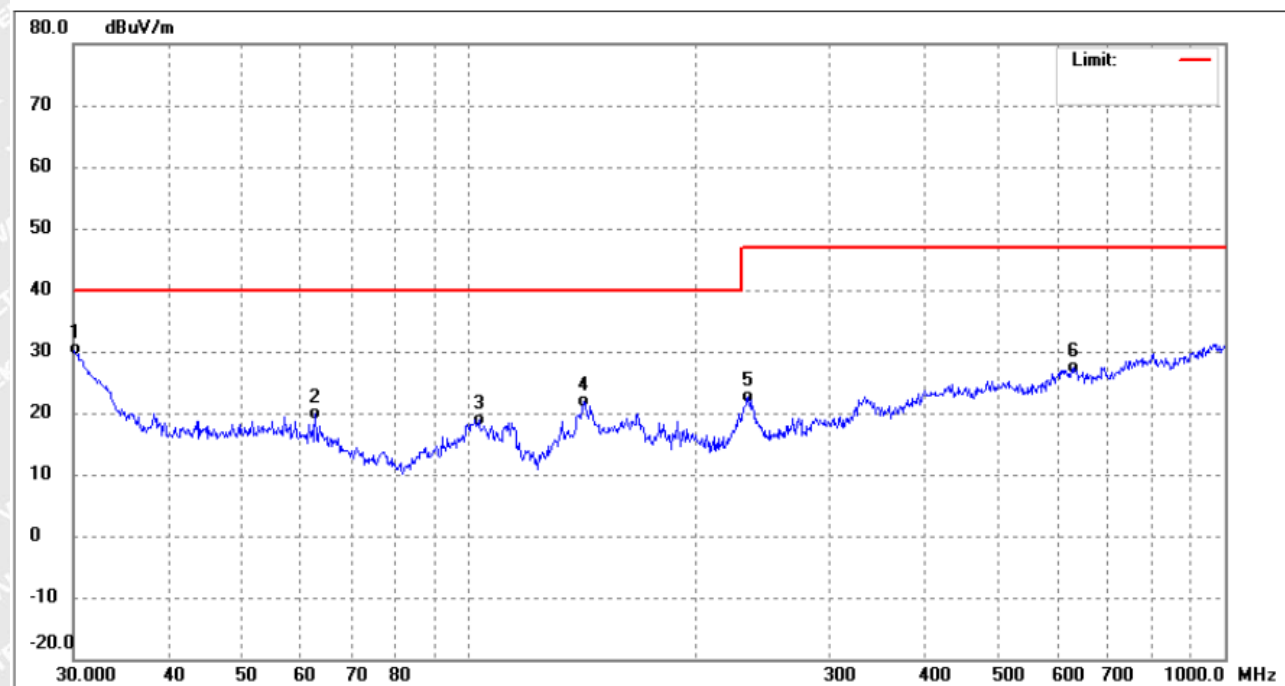
TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	38.3462	29.71	-11.83	17.88	40.00	-22.12	QP
2	59.2325	28.91	-10.99	17.92	40.00	-22.08	QP
3	109.0286	29.25	-12.32	16.93	40.00	-23.07	QP
4	161.4742	33.48	-14.45	19.03	40.00	-20.97	QP
5	332.5187	29.54	-7.89	21.65	47.00	-25.35	QP
6	605.6592	28.70	-1.42	27.28	47.00	-19.72	QP



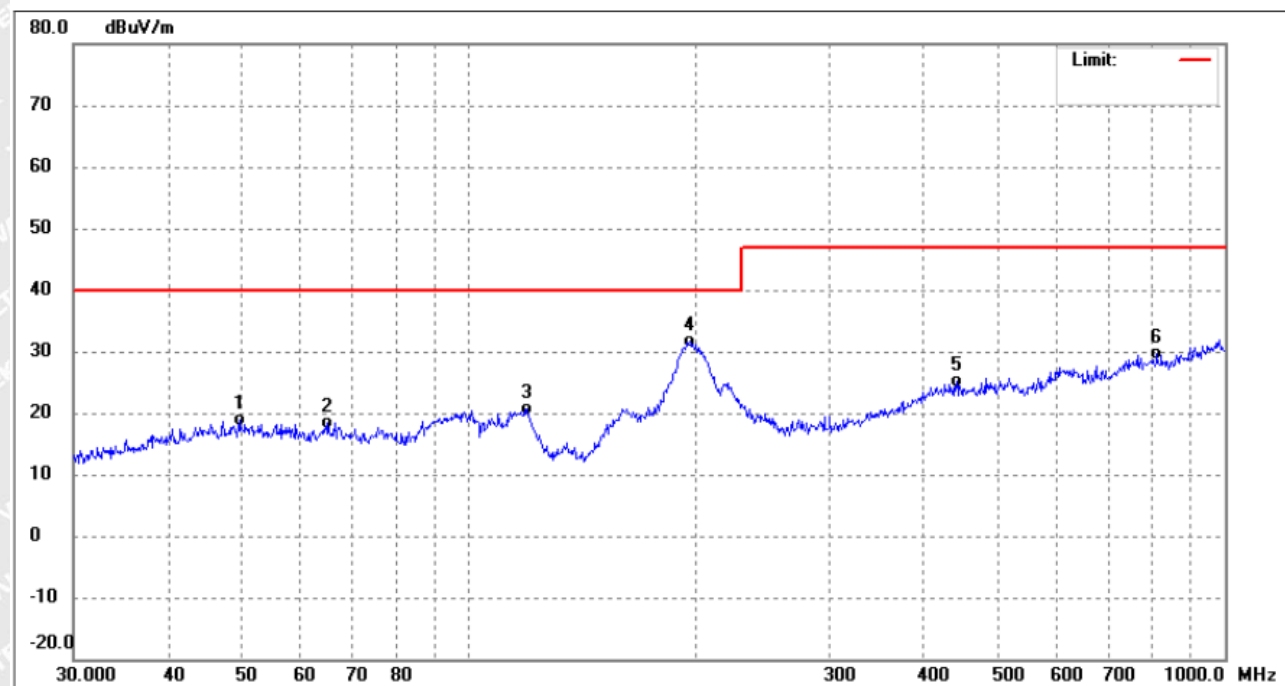
TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	44.17	-13.73	30.44	40.00	-9.56	QP
2	62.6507	31.73	-11.88	19.85	40.00	-20.15	QP
3	103.0800	30.84	-11.88	18.96	40.00	-21.04	QP
4	141.8262	37.20	-15.24	21.96	40.00	-18.04	QP
5	234.1684	33.05	-10.49	22.56	47.00	-24.44	QP
6	631.6884	29.10	-1.76	27.34	47.00	-19.66	QP



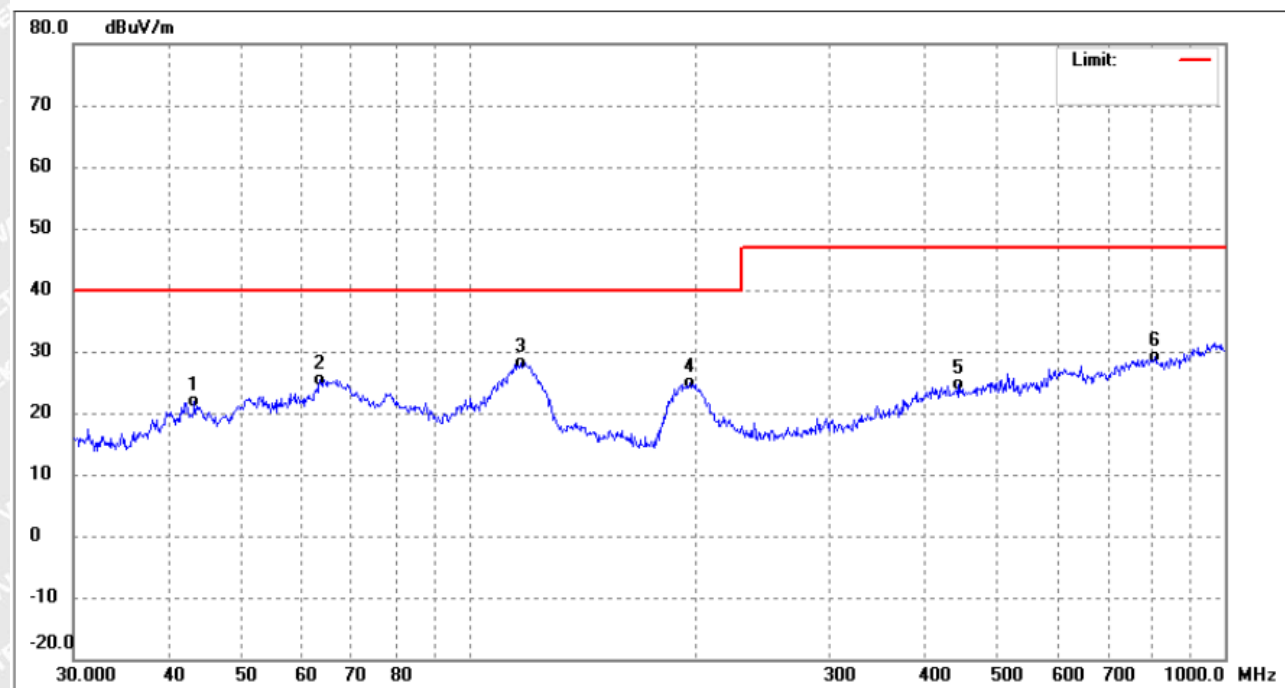
TM2 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.7068	28.89	-9.91	18.98	40.00	-21.02	QP
2	65.1145	31.02	-12.61	18.41	40.00	-21.59	QP
3	119.4361	34.39	-13.64	20.75	40.00	-19.25	QP
4	195.8220	42.87	-11.28	31.59	40.00	-8.41	QP
5	441.7426	29.05	-4.02	25.03	47.00	-21.97	QP
6	813.1115	29.12	0.53	29.65	47.00	-17.35	QP



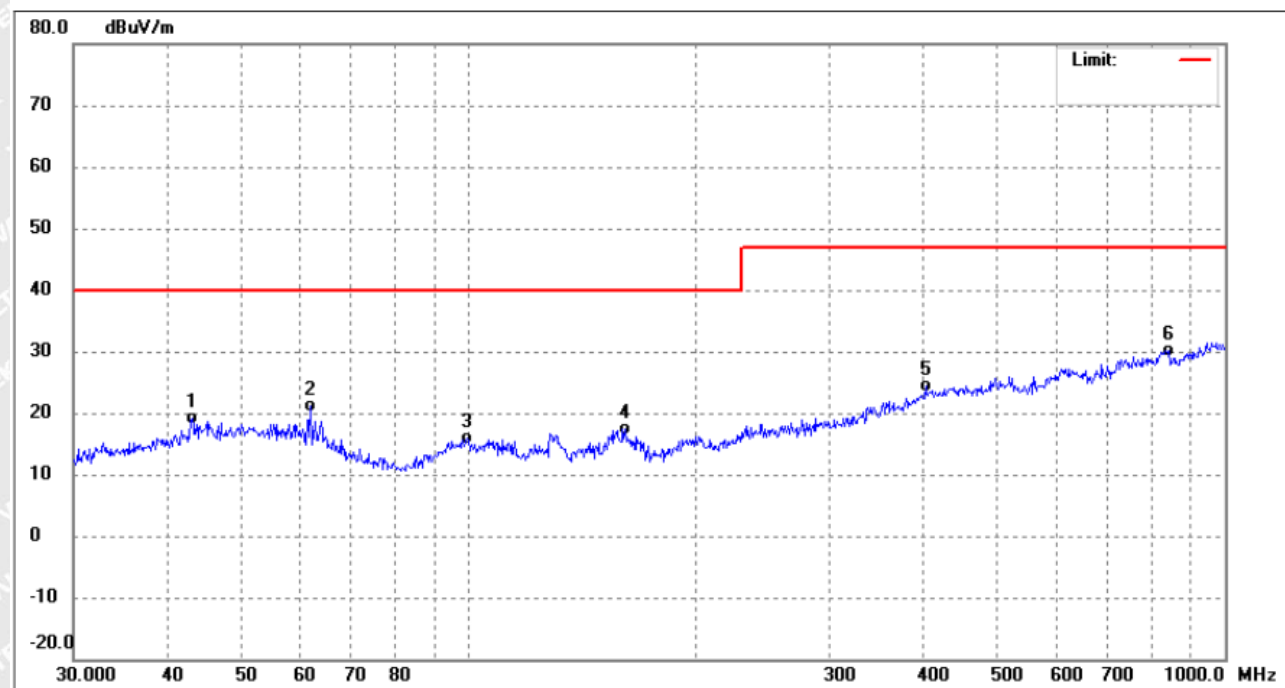
TM2 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.3534	32.52	-10.52	22.00	40.00	-18.00	QP
2	63.5356	37.53	-12.14	25.39	40.00	-14.61	QP
3	116.9495	41.51	-13.31	28.20	40.00	-11.80	QP
4	195.8220	36.21	-11.28	24.93	40.00	-15.07	QP
5	444.8514	28.56	-4.05	24.51	47.00	-22.49	QP
6	807.4291	28.64	0.52	29.16	47.00	-17.84	QP



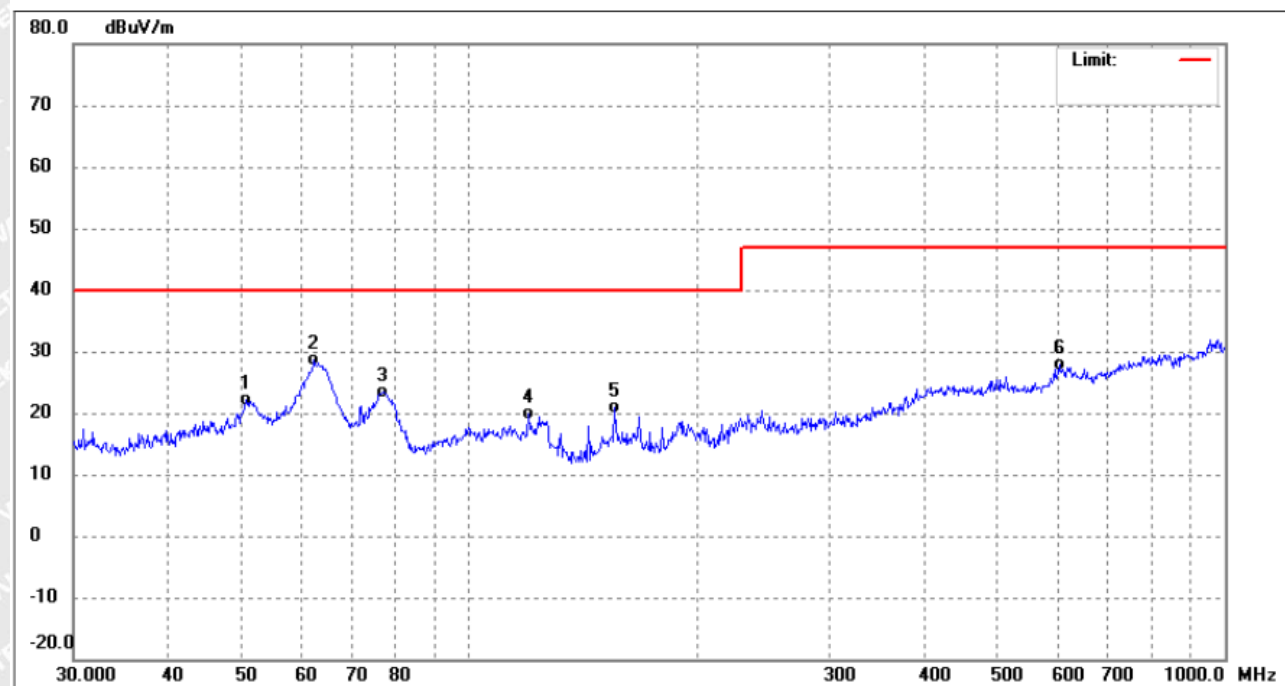
TM3 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.0505	29.62	-10.57	19.05	40.00	-20.95	QP
2	61.7781	32.64	-11.63	21.01	40.00	-18.99	QP
3	99.5281	27.80	-11.93	15.87	40.00	-24.13	QP
4	160.9089	31.99	-14.49	17.50	40.00	-22.50	QP
5	401.8385	28.77	-4.30	24.47	47.00	-22.53	QP
6	842.1296	30.03	0.18	30.21	47.00	-16.79	QP



TM3 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	50.7637	31.95	-9.93	22.02	40.00	-17.98	QP
2	62.4314	40.46	-11.82	28.64	40.00	-11.36	QP
3	77.0505	39.56	-16.06	23.50	40.00	-16.50	QP
4	119.8556	33.53	-13.70	19.83	40.00	-20.17	QP
5	155.9101	35.67	-14.79	20.88	40.00	-19.12	QP
6	603.5392	29.40	-1.60	27.80	47.00	-19.20	QP



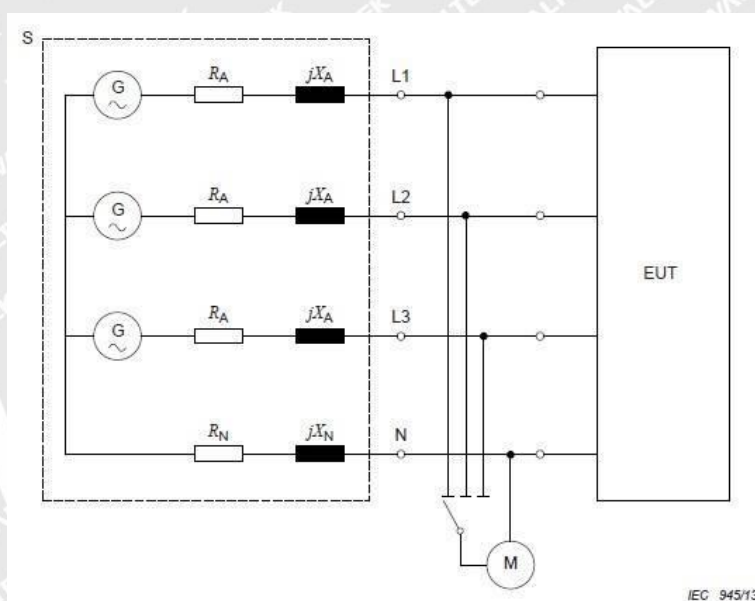
4.3 Voltage fluctuations and flicker

Test Limit:	EN 61000-3-3, Clause 5
Test Method:	EN 61000-3-3:2013+A1:2019+A2:2021

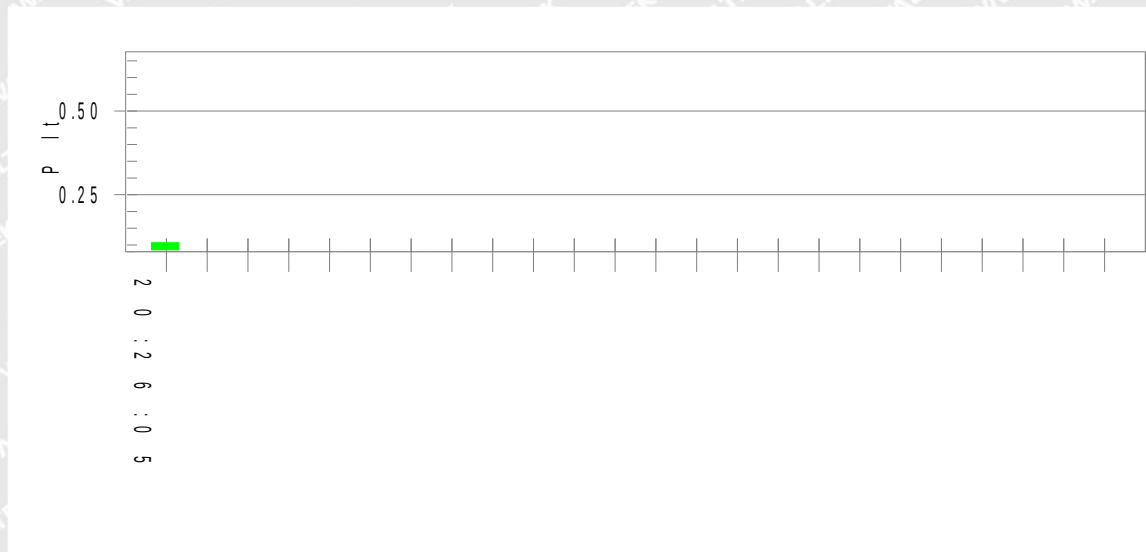
4.3.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.5 °C
Relative Humidity:	55.5 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

4.3.2 Basic Test Setup Block Diagram



4.3.3 Summary of Test Results

**Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)****Comment: TM1****Customer: Customer****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): 229.67****T-max (mS): 0****Highest dc (%): 0.00****Highest dmax (%): 0.00****Highest Pst (10 min. period): 0.244****Highest Plt (2 hr. period): 0.107****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**

**Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)****Comment: TM2****Customer: Customer****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): 229.74****T-max (mS): 0****Highest dc (%): 0.00****Highest dmax (%): 0.00****Highest Pst (10 min. period): 0.230****Highest Plt (2 hr. period): 0.101****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**

**Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)****Comment: TM3****Customer: Customer****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): 229.66****T-max (mS): 0****Highest dc (%): 0.00****Highest dmax (%): 0.00****Highest Pst (10 min. period): 0.230****Highest Plt (2 hr. period): 0.101****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**



5. Immunity Test Results (EMS)

General Performance Criteria

Performance Criteria A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended.

The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance Criteria B

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.

After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended.

The performance level may be replaced by a permissible loss of performance.

If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance Criteria C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.



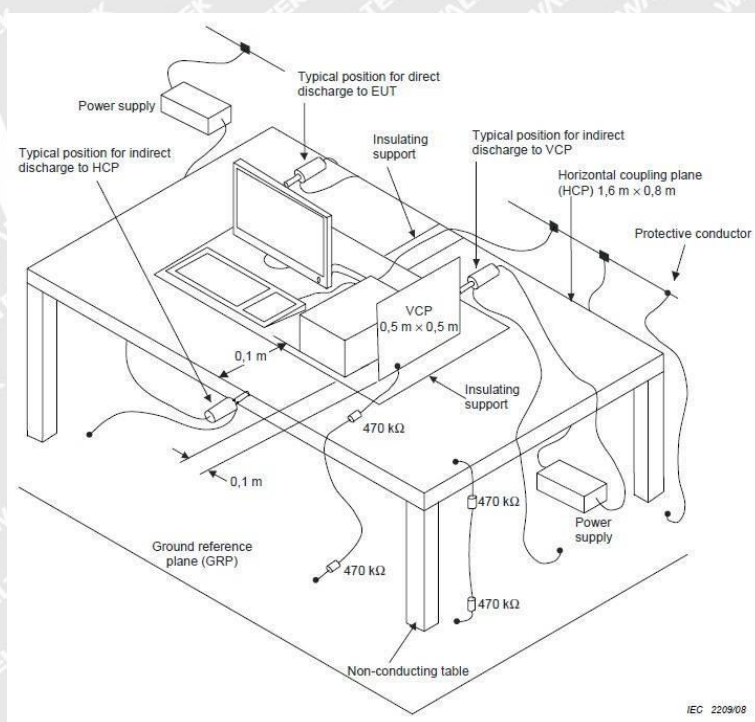
5.1 Electrostatic discharges

Test Requirement:	Contact Discharge: +/- 4kV Air Discharge: +/- 8kV
Test Method:	EN 61000-4-2: 2009
Procedure:	Discharge Impedance: 330Ω/150pF Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum
Performance Criteria:	B

5.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	22.7 °C
Relative Humidity:	55.3 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.1.2 Basic Test Setup Block Diagram





5.1.3 Summary of Test Results

Discharge type	Volt (kV)	Polarity	Test Point	Result/ Observations
Air discharge	2,4,8	+	1	A
Air discharge	2,4,8	-	1	A
Contact discharge	4	+	2	A
Contact discharge	4	-	2	A
Horizontal Coupling	4	+	3	A
Horizontal Coupling	4	-	3	A
Vertical Coupling	4	+	3	A
Vertical Coupling	4	-	3	A

Test Point: 1. All insulated enclosure and seams.

2. All accessible metal parts of the enclosure.

3. All side.

A: No degradation in the performance of the EUT was observed.

WALTEK



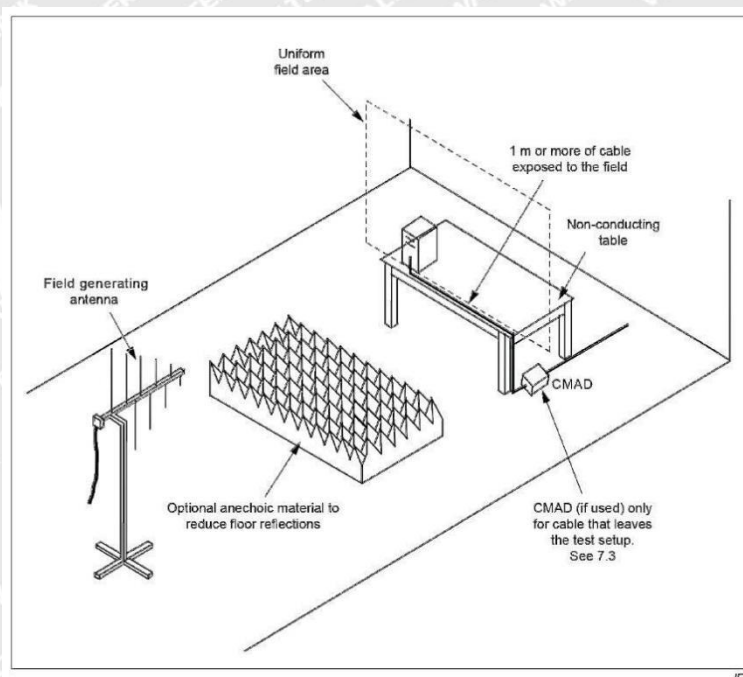
5.2 RF electromagnetic field disturbances

Test Requirement:	3V/m, 80%, 1kHz Amp. Mod.
Test Method:	EN IEC 61000-4-3: 2020
Procedure:	Frequency Range: 80MHz to 1GHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment
Performance Criteria:	A

5.2.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.8 °C
Relative Humidity:	55.4 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.2.2 Basic Test Setup Block Diagram





5.2.3 Summary of Test Results

Frequency	Field Strength (V/m)	EUT face	Dwell time	Result/ Observations
80MHz-1GHz	3	Front	1s	A
80MHz-1GHz	3	Back	1s	A
80MHz-1GHz	3	Left	1s	A
80MHz-1GHz	3	Right	1s	A
80MHz-1GHz	3	Top	1s	A
80MHz-1GHz	3	Bottom	1s	A
1800MHz	3	Front	1s	A
1800MHz	3	Back	1s	A
1800MHz	3	Left	1s	A
1800MHz	3	Right	1s	A
1800MHz	3	Top	1s	A
1800MHz	3	Bottom	1s	A
2600MHz	3	Front	1s	A
2600MHz	3	Back	1s	A
2600MHz	3	Left	1s	A
2600MHz	3	Right	1s	A
2600MHz	3	Top	1s	A
2600MHz	3	Bottom	1s	A
3500MHz	3	Front	1s	A
3500MHz	3	Back	1s	A
3500MHz	3	Left	1s	A
3500MHz	3	Right	1s	A
3500MHz	3	Top	1s	A
3500MHz	3	Bottom	1s	A
5000MHz	3	Front	1s	A
5000MHz	3	Back	1s	A
5000MHz	3	Left	1s	A
5000MHz	3	Right	1s	A
5000MHz	3	Top	1s	A
5000MHz	3	Bottom	1s	A

A: No degradation in the performance of the EUT was observed.



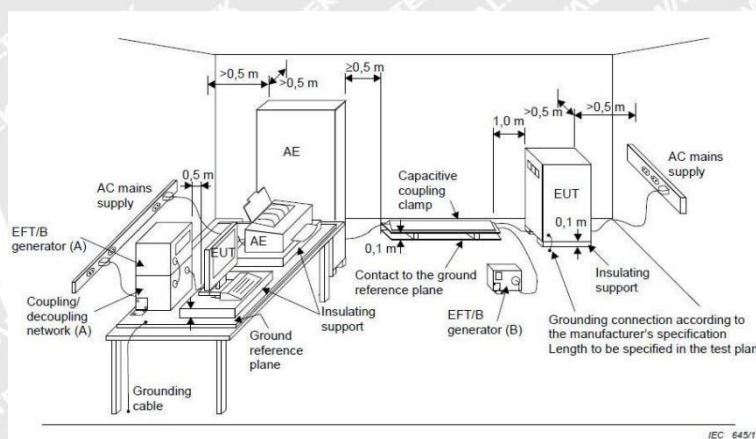
5.3 Electrical fast transients / burst for AC mains power ports

Test Requirement:	1kV; 5/50ns Tr/Th; 5kHz Repetition Frequency
Test Method:	EN 61000-4-4: 2012
Procedure:	Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level polarity
Performance Criteria:	B

5.3.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.5 °C
Relative Humidity:	55.5 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.3.2 Basic Test Setup Block Diagram



5.3.3 Summary of Test Results

Port	Volt (kV)	Polarity	CDN/ Clamp	Result/ Observations
AC power port	1	+	CDN	A
AC power port	1	-	CDN	A

A: No degradation in the performance of the EUT was observed.



Reference No.: WTX25X07178061E

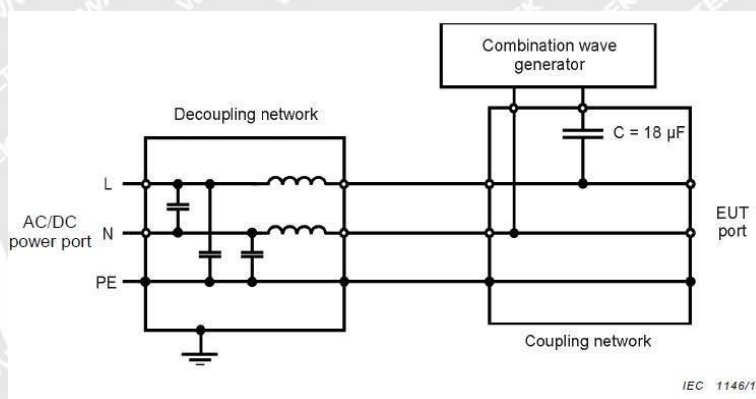
5.4 Surges for AC mains power ports

Test Requirement:	1.2/50 μ s Tr/Td
Test Method:	EN 61000-4-5: 2014 +A1: 2017
Procedure:	Interval: 60s between each surge No. of surges: 5 positive, 5 negative at 90°, 270°
Performance Criteria:	B

5.4.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.5 °C
Relative Humidity:	55.5 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.4.2 Basic Test Setup Block Diagram





5.4.3 Summary of Test Results

GTM91120-1507.5-2.5-P2

Port	Volt (kV)	Polarity	Phase(degree)	Result/ Observations
L-N	1	+	90°	A
L-N	1	-	270°	A
L-N	4	+	90°	A
L-N	4	-	270°	A

GTM91120-3036-6.0-P2

Port	Volt (kV)	Polarity	Phase(degree)	Result/ Observations
L-N	1	+	90°	A
L-N	1	-	270°	A

GTM91120-3048-T3A

Port	Volt (kV)	Polarity	Phase(degree)	Result/ Observations
L-N	1	+	90°	A
L-N	1	-	270°	A
L-PE	2	+	90°	A
L-PE	2	-	270°	A
N-PE	2	-	90°	A
N-PE	2	+	270°	A

A: No degradation in the performance of the EUT was observed.



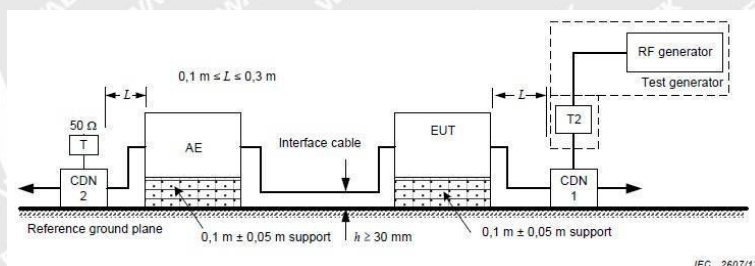
5.5 Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)

Test Requirement:	0,15 to 10MHz 3Vrms (emf), 10 to 30MHz 3V to 1Vrms(emf), 30 to 80MHz 1Vrms(emf), 80%,1kHz Amp. Mod.
Test Method:	EN 61000-4-6: 2014
Procedure:	Frequency Range: 0.15MHz to 80MHz Modulation: 80%, 1kHz Amplitude Modulation Step Size: 1%
Performance Criteria:	A

5.5.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.2 °C
Relative Humidity:	55.8 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.5.2 Basic Test Setup Block Diagram



5.5.3 Summary of Test Results

Port	Strength (Vrms)	CDN/Clamp	Dwell time	Result/ Observations
AC power port	3(0.15MHz-10MHz)	CDN	1s	A
AC power port	3 to 1(10MHz-30MHz, Lines)	CDN	1s	A
AC power port	1(30MHz-80MHz)	CDN	1s	A

A: No degradation in the performance of the EUT was observed.



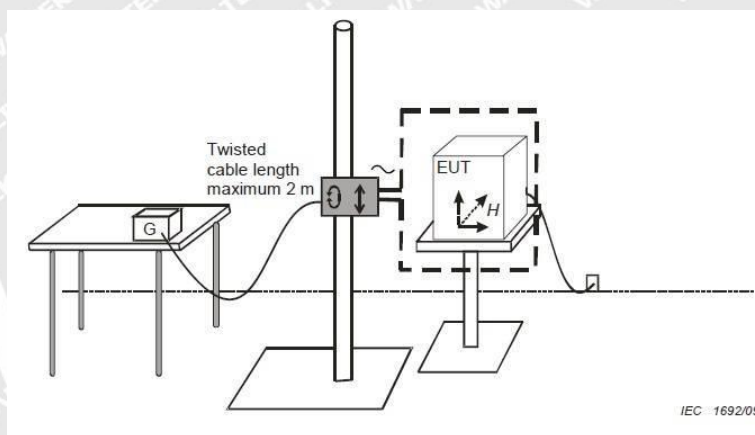
5.6 Power frequency magnetic field

Test Requirement:	50 or 60Hz, 1 A/m
Test Method:	EN 61000-4-8: 2010
Procedure:	50 or 60Hz, 1 A/m
Performance Criteria:	A

5.6.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.2 °C
Relative Humidity:	55.8 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.6.2 Basic Test Setup Block Diagram



5.6.3 Summary of Test Results

Frequency	Strength (A/m)	Axial	Magnetic Field Type	Result/ Observations
50Hz/ 60Hz	1	X	Continuous filed	A
50Hz/ 60Hz	1	Y	Continuous filed	A
50Hz/ 60Hz	1	Z	Continuous filed	A

A: No degradation in the performance of the EUT was observed.



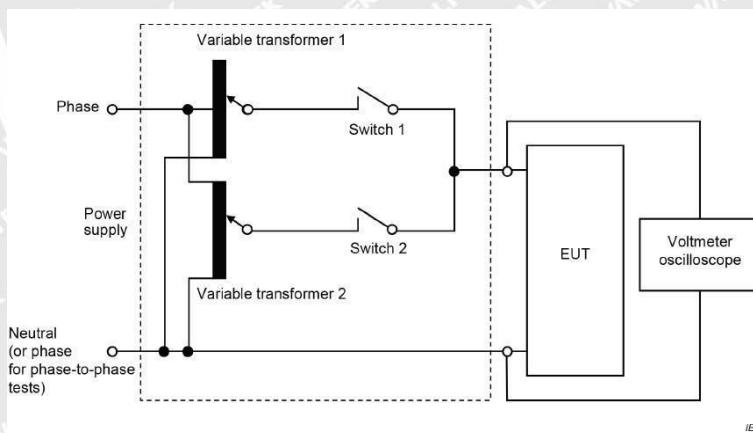
5.7 Voltage dips and interruptions

Test Requirement:	5% residual voltage for 0.5 periods 70% residual voltage: 25 periods for 50Hz, 30 periods for 60Hz 5% residual voltage: 250 periods for 50Hz, 300 periods for 60Hz
Test Method:	EN IEC 61000-4-11:2020
Procedure:	5% residual voltage for 0.5 period 70% residual voltage: 25 periods for 50Hz, 30 periods for 60Hz 5% residual voltage: 250 periods for 50Hz, 300 periods for 60Hz No. of Dips / Interruptions: 3 per Level Time between dropout: 10s
Performance Criteria:	B, C, C

5.7.1 E.U.T. Operation

Environmental Conditions	
Temperature:	24.5 °C
Relative Humidity:	55.5 %
Atmospheric Pressure:	100.98 kPa
Test mode:	TM1, TM2, TM3

5.7.2 Basic Test Setup Block Diagram



5.7.3 Summary of Test Results

Level %UT	Phase (degree)	Duration	No. of Dips/ Interruptions	Result/ Observations
0	0°	0.5 Cycles	3	A
0	0°	250 Cycles	3	B
70	0°	25 Cycles	3	B



6. EXHIBIT 1 - PRODUCT LABELING

6.1 Proposed Label Format

Power Supply	
Model: GT*91120-*****	
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.

6.2 Proposed Label Location of EUT

Label Location

Label Location
(GTM91120-1507.5-2.5-P2)



EXHIBIT 2 - EUT PHOTOGRAPHS

External
GTM91120-1507.5-2.5-P2

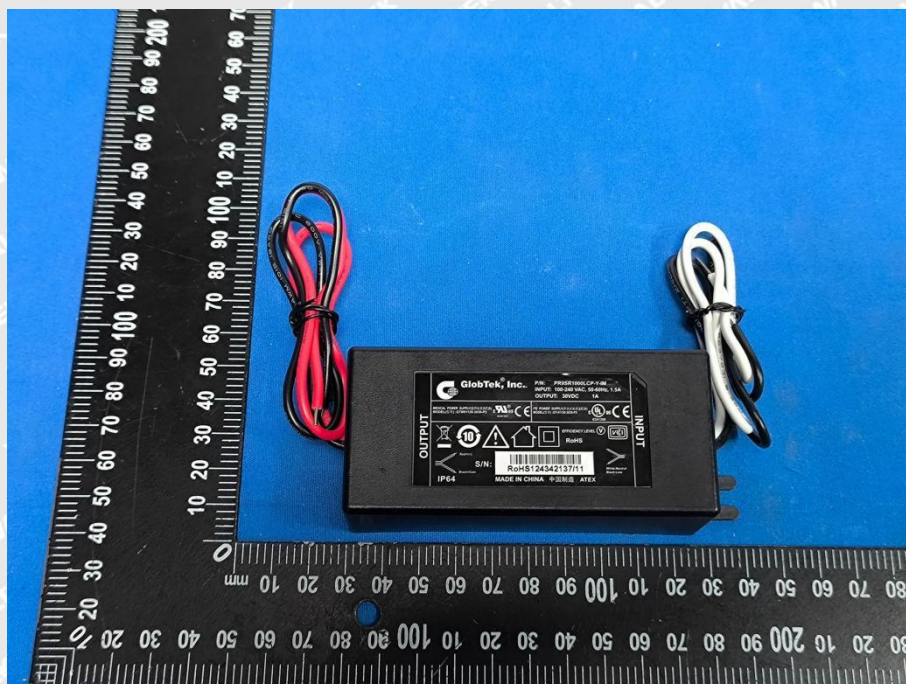


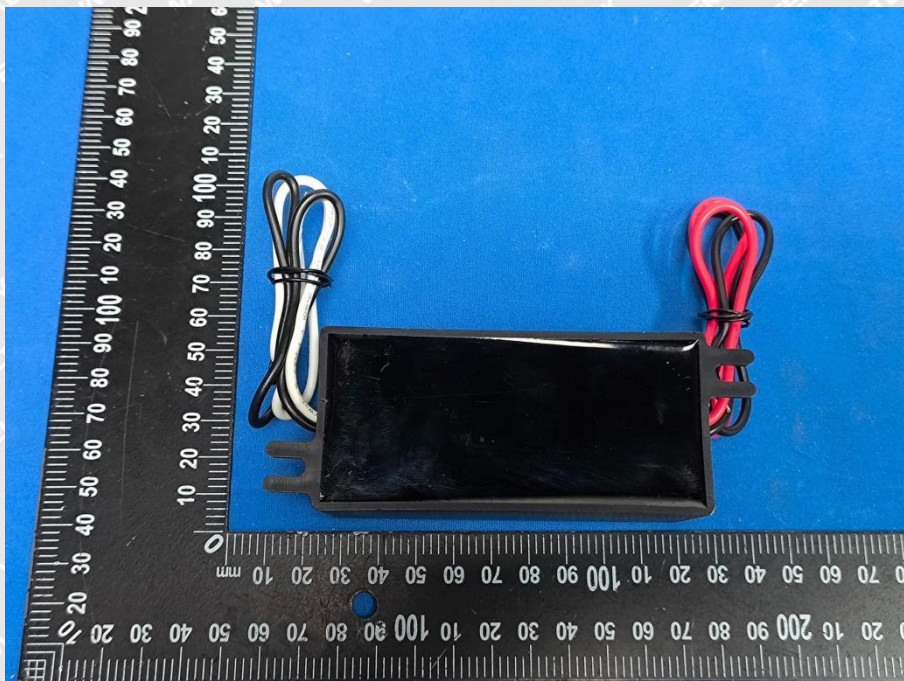


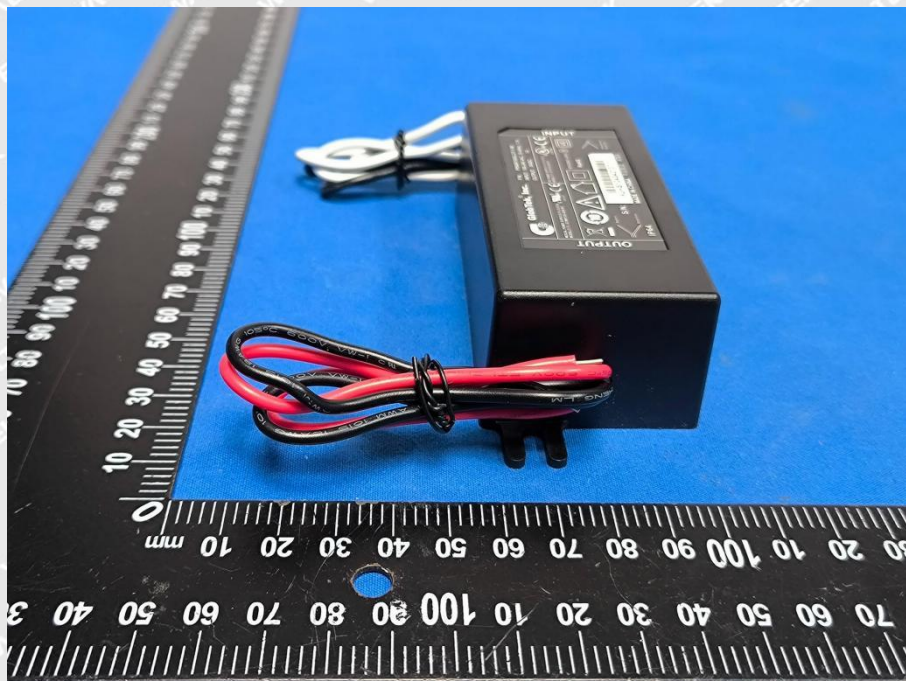


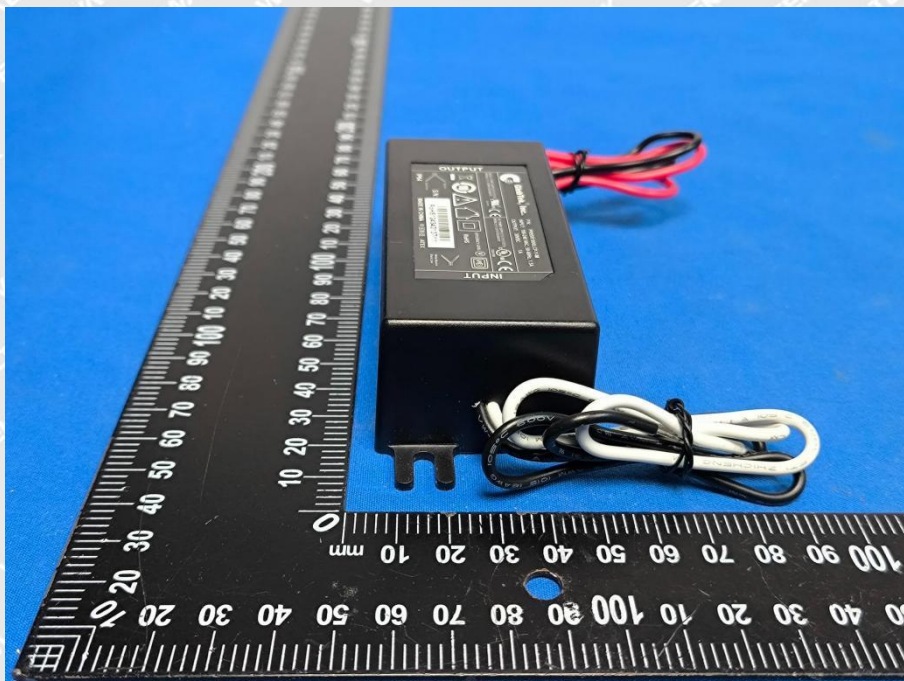


GTM91120-3036-6.0-P2









GTM91120-3048-T3A



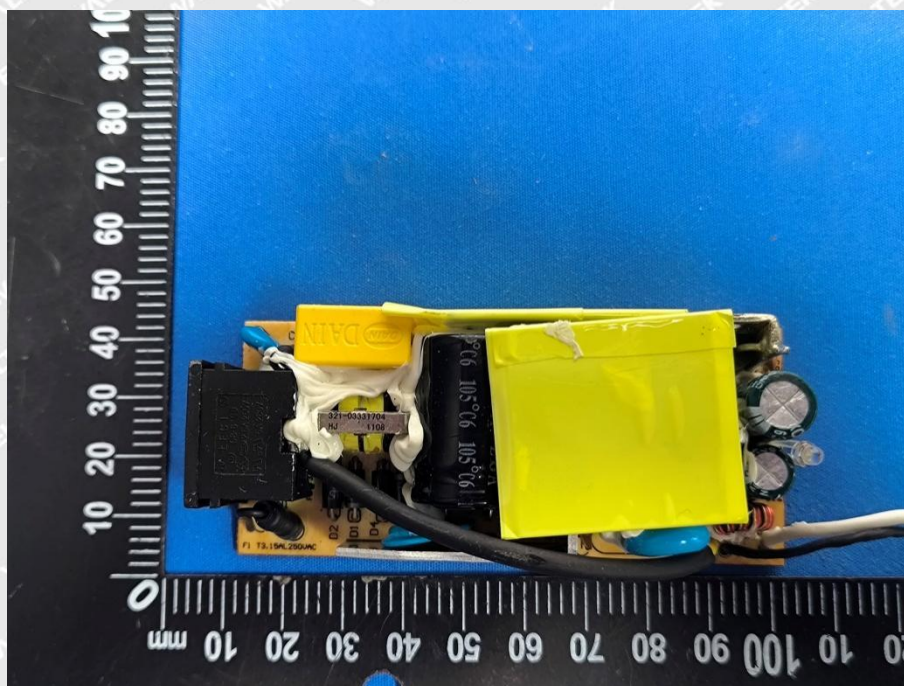
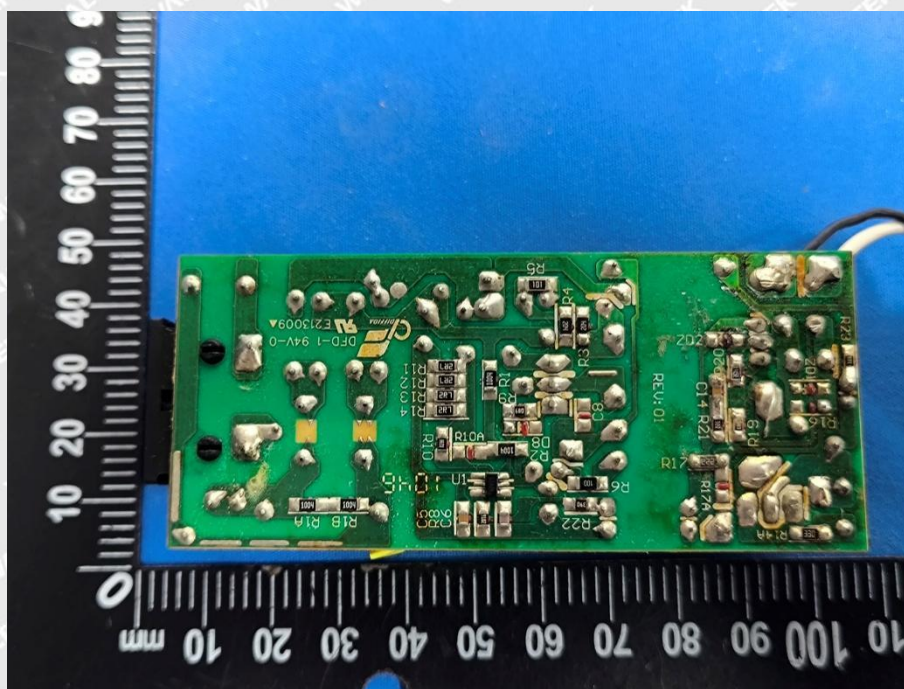






Internal
GTM91120-3048-T3A

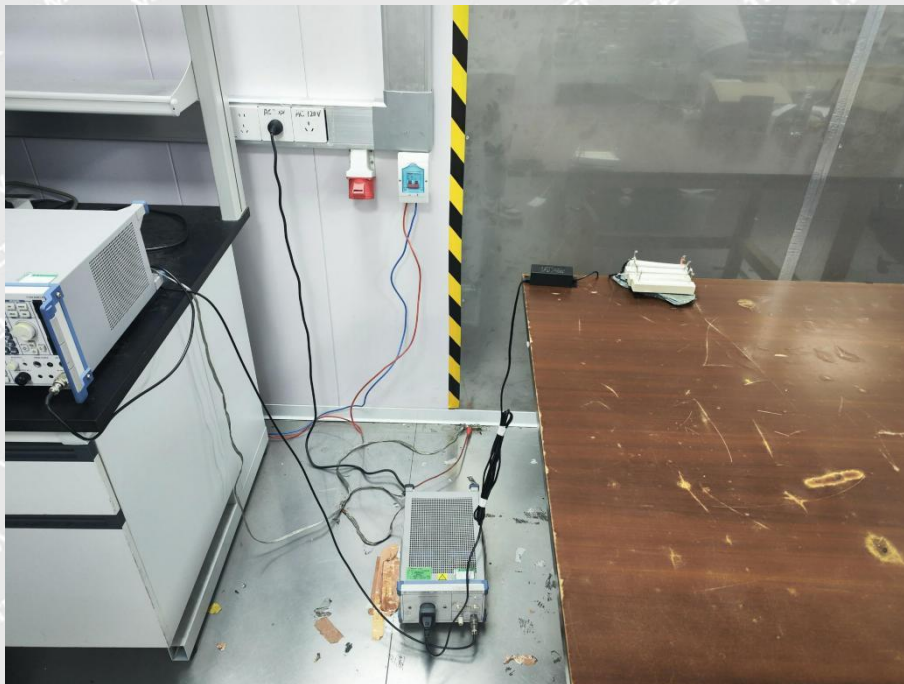




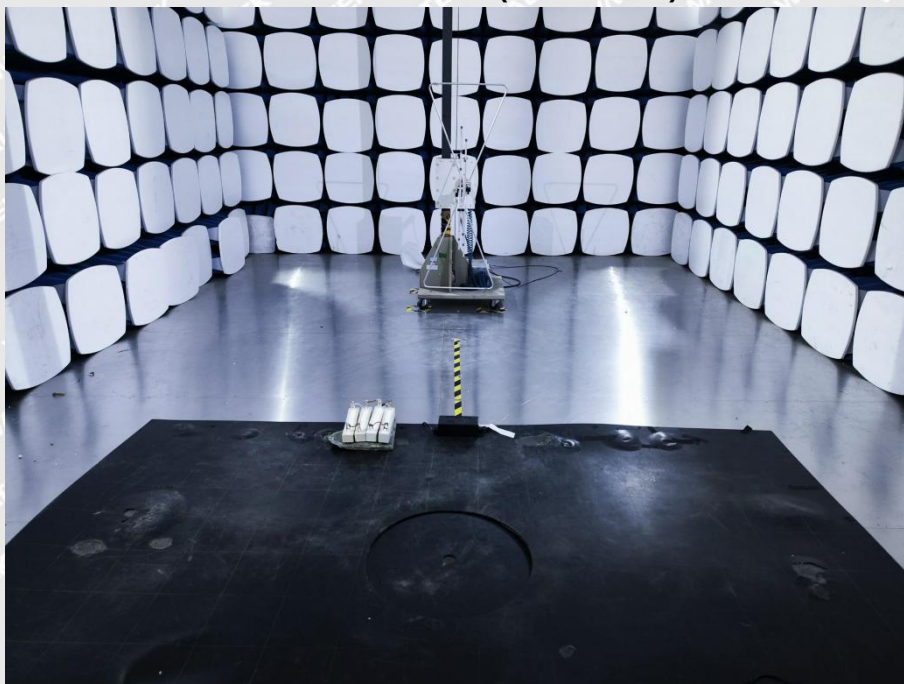


7. EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conducted emissions from AC mains power ports (150kHz-30MHz)



Radiated emissions (30MHz-1GHz)

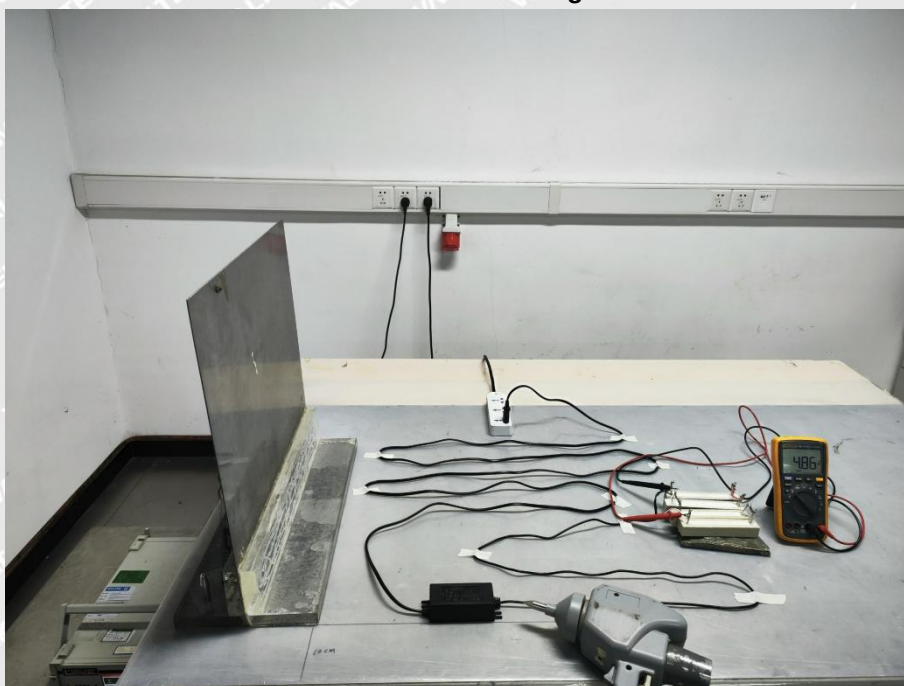




Voltage fluctuations and flicker

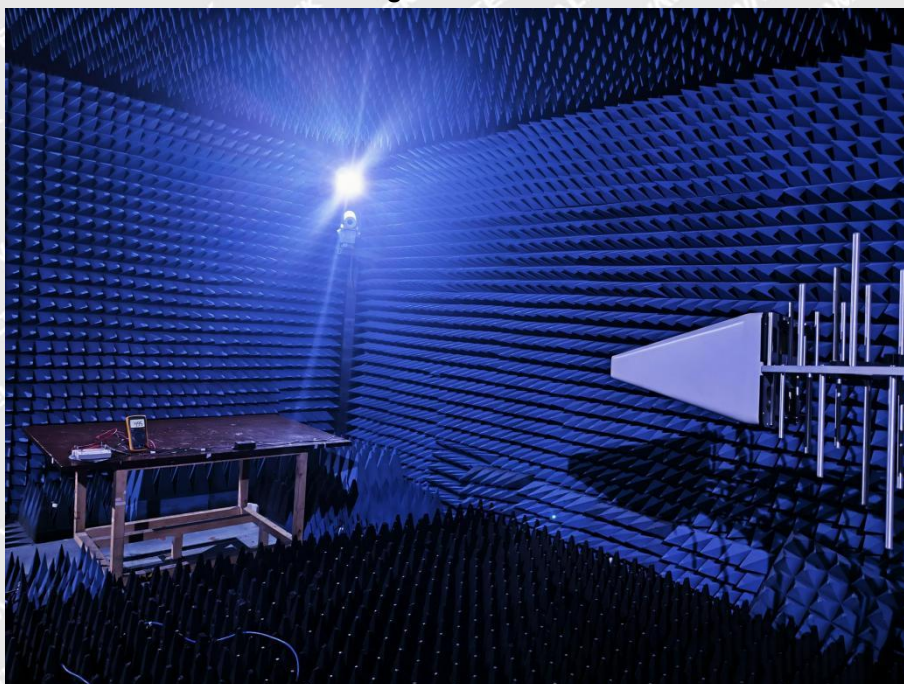


Electrostatic discharges





RF electromagnetic field disturbances



Electrical fast transients / burst for AC mains power ports





Surges for AC mains power ports



Continuous induced RF disturbances for AC mains power ports (150kHz-80MHz)





Power frequency magnetic field



Voltage dips and interruptions



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