TEST REPORT

Reference No.	:	WTX23X08189909E001
Applicant	:	GlobTek, Inc.
Address	:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer	:	GlobTek, Inc.
Address	:	186 Veterans Dr. Northvale, NJ 07647 USA
Product Name	:	ICT/ITE Power Supply
Model No.	:	GT*46161-**-**
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	:	2023-09-01
Date of Test	:	2023-09-01 to 2023-09-06
Date of Issue	:	2023-09-07
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	2023-09-07	Original
/	/	/

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:	ICT/ITE Power Supply
Trade Name:	GlobTek, Inc.
Model No.:	GT*46161-**-**
Adding Model(s):	/
Note: The test data is gathered from a production sample, provided by the manufacturer. *GT*46161-**-**** *The 1st "*" denotes "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 "16", with interval of 1.* *The 3rd "*" denotes the standard rated output voltage designation, which can be "5.0" to "5.5" or "05" to "05.5" with interval of 0.1Vdc.* *The 4th "*"* *=USB means Type 1 with USB*1* *=USB1A means Type 2 with USB*1* *=USB2A means Type 2 with USB*2* *=USBC means Type 2 with USB Type C*1* *=USB2C means Type 2 with USB Type C*2* *=USB1A1C means Type 2 with USB*1 and USB Type C*1* *The last * denote any six character, which can be 0-9 or A-Z or ()[] or – or blank for marketing purposes.*	

Technical Characteristics of EUT	
Rated Voltage/ Current:	Input: 100-240V~,50-60Hz, 0.45A Output: 5-5.5Vdc, Max. 3.2A, Max.16W
Rated Power:	16W
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+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: GTM46161-165.0-USB1A1C	AC 230V/50Hz
TM2	Working mode	Model: GTM46161-165.5-USBC	AC 230V/50Hz
TM3	Working mode	Model: GTM46161-165.0-USB1A1C	AC 120V/60Hz
TM4	Working mode	Model: GTM46161-165.5-USBC	AC 120V/60Hz

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

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.

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	ESVB	825471/005	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
☐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
☒Chamber B:Below 1GHz					
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2024-04-08
Amplifier	Agilent	8447D	2944A10179	2023-02-25	2024-02-24
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2023-02-25	2024-02-24
☐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
☐Chamber C:Above 1GHz					
Horn Antenna	POAM	RTF-11A	LP228060221	2023-03-10	2026-03-09
Amplifier	Tonscend	TAP01018050	AP22E806235	2023-02-25	2024-02-24
☒Conducted Room 1#					
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2023-02-25	2024-02-24
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2023-02-25	2024-02-24
AC LISN	Schwarz beck	NSLK8126	8126-224	2023-02-25	2024-02-24
8-WIRE LISN	Schwarz beck	8158	CAT3-8158-0059	2023-02-25	2024-02-24
8-WIRE LISN	Schwarz beck	8158	CAT5-8158-0117	2023-02-25	2024-02-24
☐Conducted Room 2#					
EMI Test Receiver	Rohde & Schwarz	ESPI	10129	2023-02-25	2024-02-24
LISN	Rohde & Schwarz	ENV 216	100097	2023-02-25	2024-02-24
☒Harmonics &Flicker					
Digital Power Analyzer	California Instrument	CTS	72831	2023-02-25	2024-02-24
Power Source	California Instrument	5001IX-CTS-400	25965	2023-02-25	2024-02-24

☒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	863	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
☒Radio frequency electromagnetic Field (R/S)					
Signal Generator	HP	8688B	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-80-1000-250	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	N/A	N/A
Power Meter	Agilent	E4419B	GB42420578	2023-02-25	2024-02-24

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

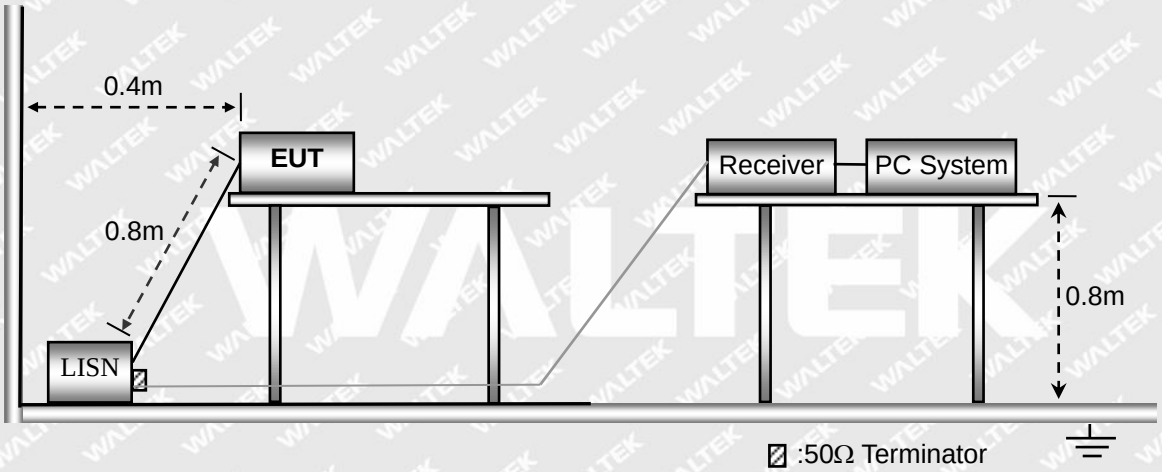
3. Conducted Emission

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 ±3.74dB
		0.15-30MHz ±3.34dB

3.2 Basic Test Setup Block Diagram



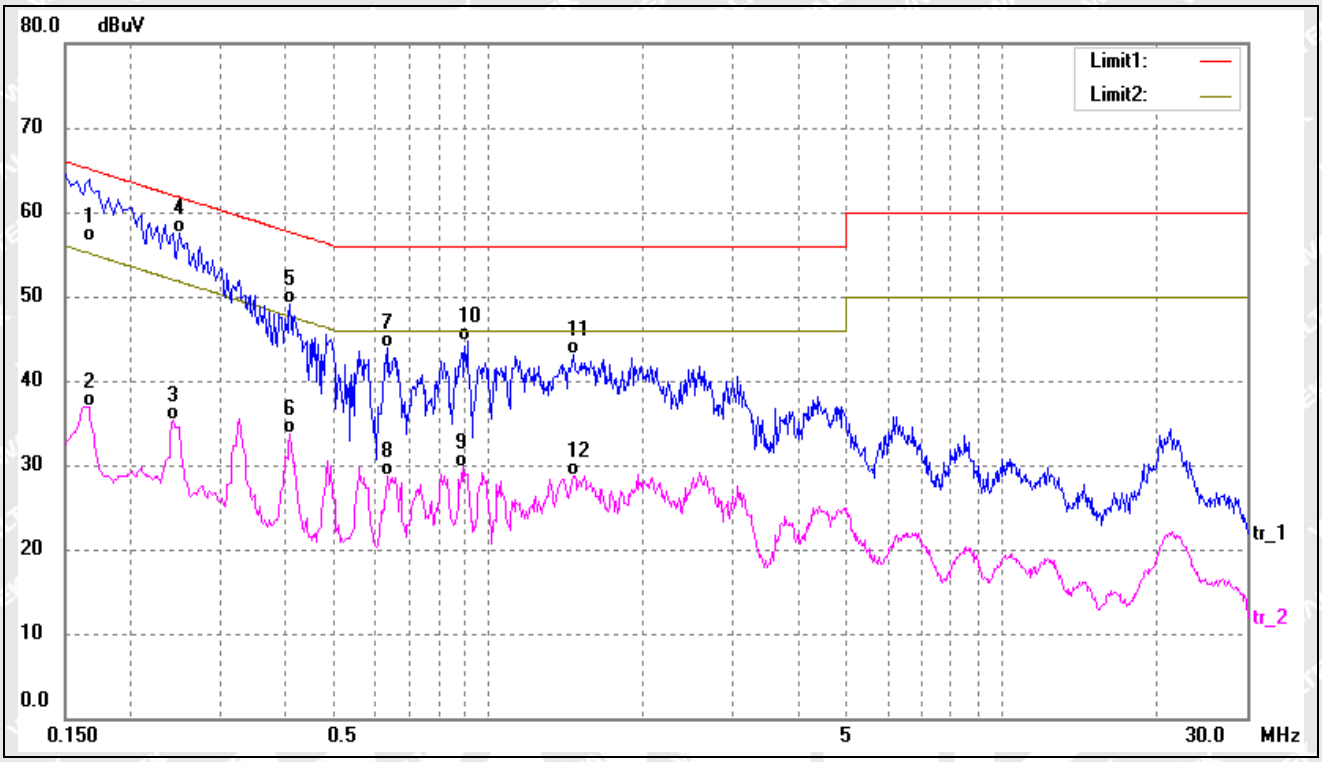
3.3 Environmental Conditions

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

3.4 Summary of Test Results

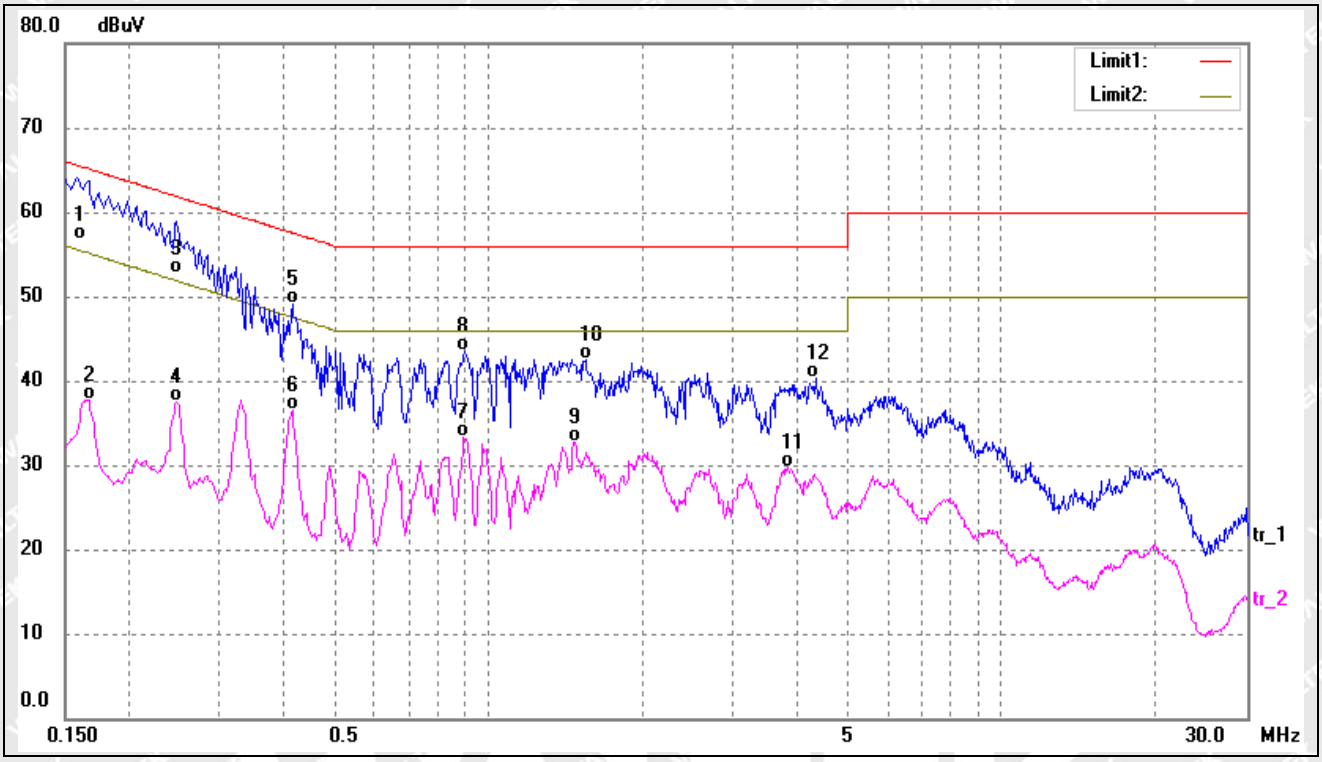
Please find the results below:

Test mode:	TM1	Polarity:	Line



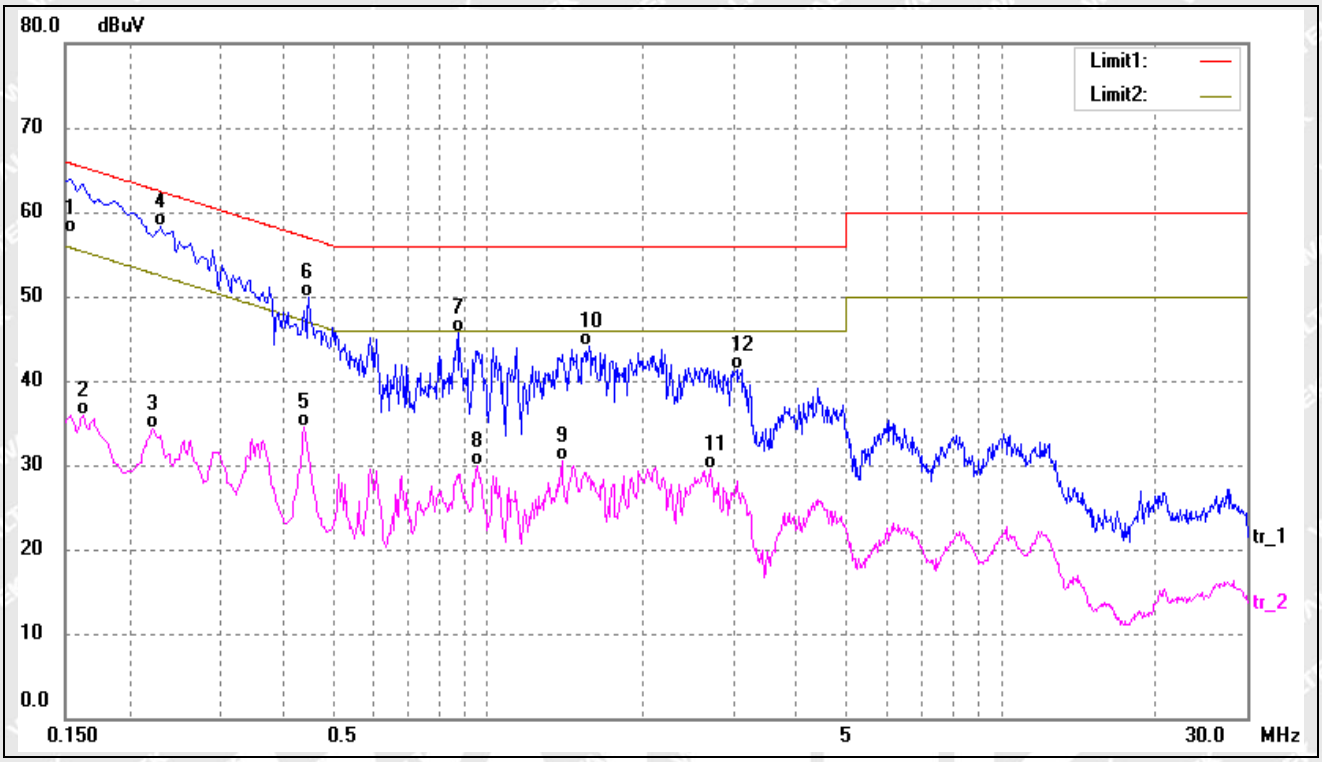
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1660	46.02	10.40	56.42	65.15	-8.73	QP
2	0.1660	26.48	10.40	36.88	55.15	-18.27	AVG
3	0.2420	24.91	10.35	35.26	52.02	-16.76	AVG
4*	0.2500	47.25	10.34	57.59	61.75	-4.16	QP
5	0.4100	38.90	10.26	49.16	57.65	-8.49	QP
6	0.4100	23.45	10.26	33.71	47.65	-13.94	AVG
7	0.6380	33.64	10.20	43.84	56.00	-12.16	QP
8	0.6380	18.48	10.20	28.68	46.00	-17.32	AVG
9	0.8940	19.60	10.16	29.76	46.00	-16.24	AVG
10	0.9100	34.59	10.15	44.74	56.00	-11.26	QP
11	1.4660	32.90	10.23	43.13	56.00	-12.87	QP
12	1.4660	18.51	10.23	28.74	46.00	-17.26	AVG

Test mode:	TM1	Polarity:	Neutral



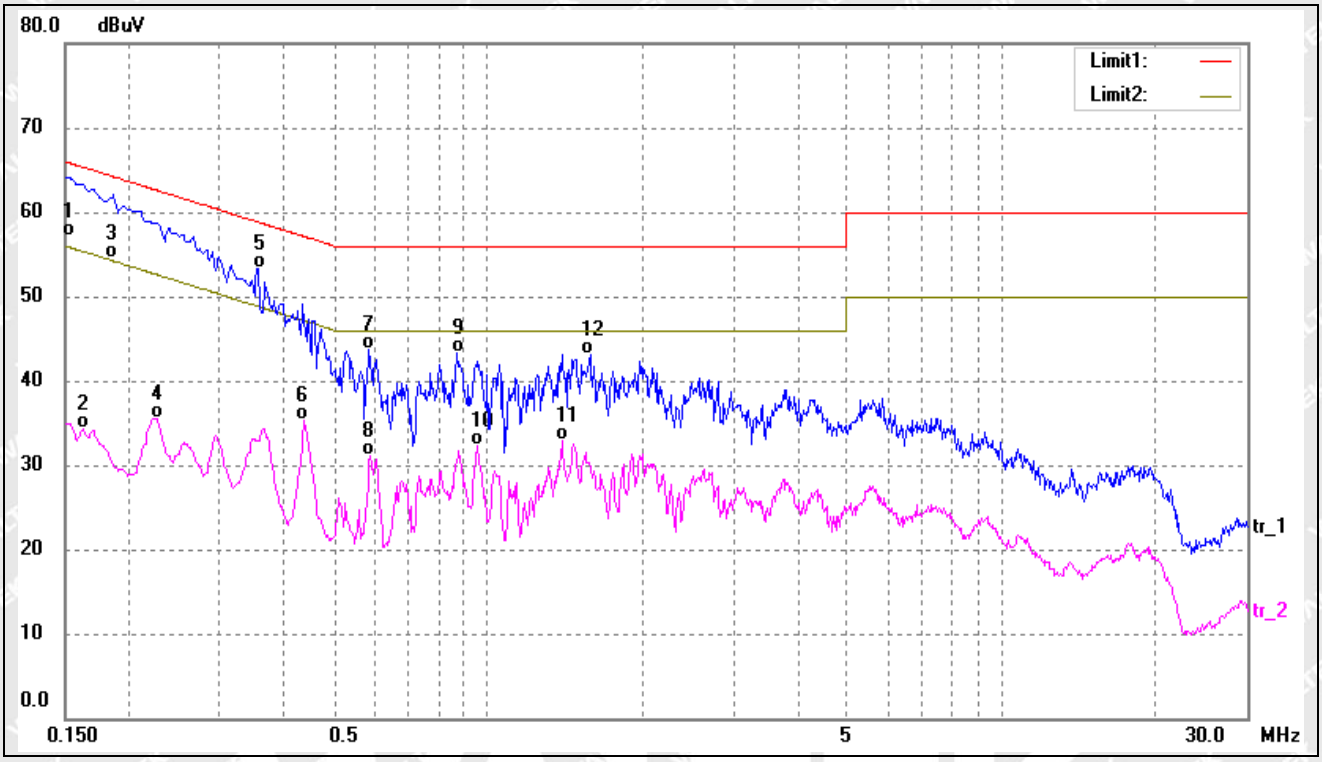
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1580	46.30	10.40	56.70	65.56	-8.86	QP
2	0.1660	27.31	10.40	37.71	55.15	-17.44	AVG
3	0.2460	42.35	10.35	52.70	61.89	-9.19	QP
4	0.2460	27.10	10.35	37.45	51.89	-14.44	AVG
5*	0.4140	38.80	10.26	49.06	57.57	-8.51	QP
6	0.4140	26.19	10.26	36.45	47.57	-11.12	AVG
7	0.8980	23.23	10.15	33.38	46.00	-12.62	AVG
8	0.9020	33.43	10.15	43.58	56.00	-12.42	QP
9	1.4740	22.56	10.23	32.79	46.00	-13.21	AVG
10	1.5460	32.25	10.24	42.49	56.00	-13.51	QP
11	3.8380	19.31	10.36	29.67	46.00	-16.33	AVG
12	4.3500	29.89	10.37	40.26	56.00	-15.74	QP

Test mode:	TM2	Polarity:	Line



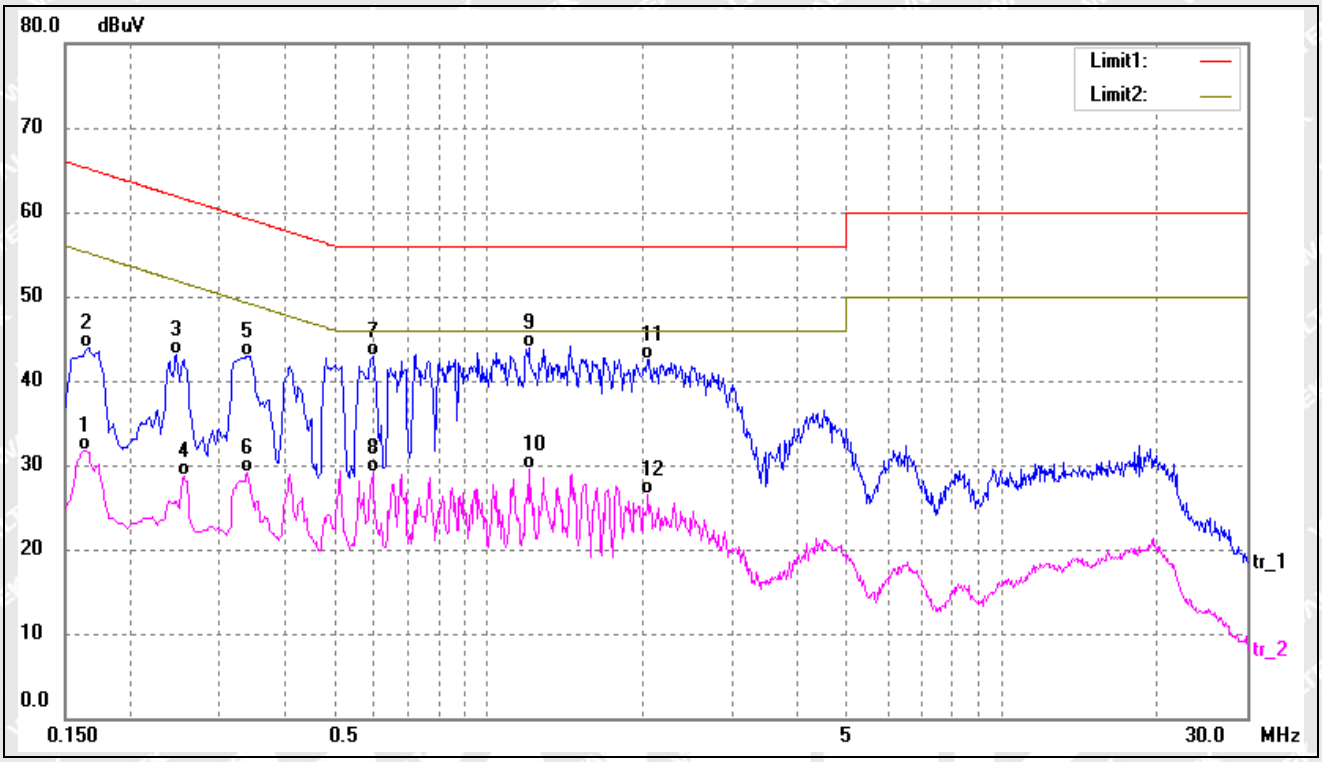
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	47.04	10.41	57.45	65.78	-8.33	QP
2	0.1620	25.46	10.40	35.86	55.36	-19.50	AVG
3	0.2220	23.98	10.37	34.35	52.74	-18.39	AVG
4*	0.2300	47.89	10.36	58.25	62.45	-4.20	QP
5	0.4380	24.18	10.25	34.43	47.10	-12.67	AVG
6	0.4460	39.65	10.25	49.90	56.95	-7.05	QP
7	0.8740	35.60	10.16	45.76	56.00	-10.24	QP
8	0.9580	19.74	10.15	29.89	46.00	-16.11	AVG
9	1.3900	20.25	10.21	30.46	46.00	-15.54	AVG
10	1.5700	33.77	10.25	44.02	56.00	-11.98	QP
11	2.7100	19.09	10.34	29.43	46.00	-16.57	AVG
12	3.0540	30.99	10.35	41.34	56.00	-14.66	QP

Test mode:	TM2	Polarity:	Neutral



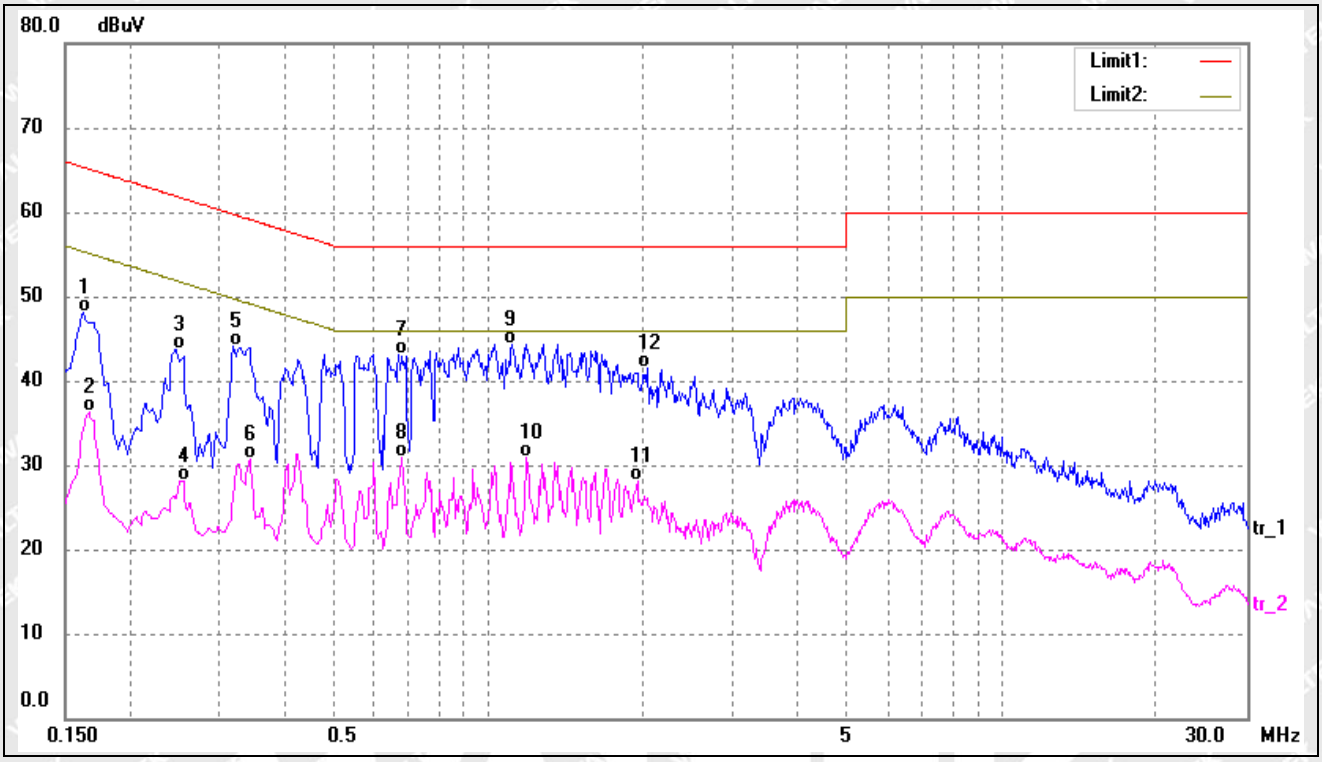
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	46.75	10.41	57.16	65.78	-8.62	QP
2	0.1620	23.86	10.40	34.26	55.36	-21.10	AVG
3	0.1860	44.18	10.40	54.58	64.21	-9.63	QP
4	0.2260	25.08	10.36	35.44	52.59	-17.15	AVG
5*	0.3540	43.04	10.28	53.32	58.87	-5.55	QP
6	0.4380	24.97	10.25	35.22	47.10	-11.88	AVG
7	0.5860	33.55	10.22	43.77	56.00	-12.23	QP
8	0.5899	20.84	10.22	31.06	46.00	-14.94	AVG
9	0.8700	33.06	10.17	43.23	56.00	-12.77	QP
10	0.9580	22.15	10.15	32.30	46.00	-13.70	AVG
11	1.3940	22.75	10.22	32.97	46.00	-13.03	AVG
12	1.5780	32.85	10.25	43.10	56.00	-12.90	QP

Test mode:	TM3	Polarity:	Line



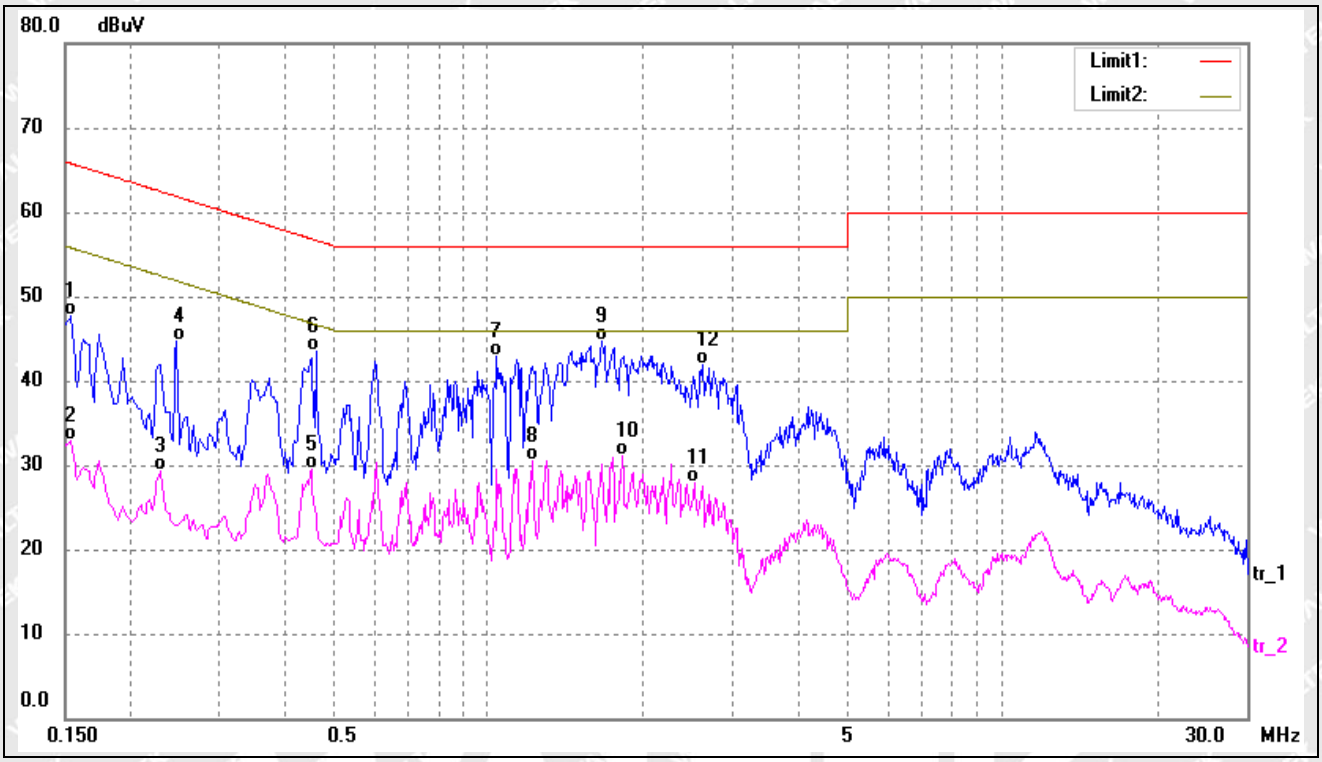
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1620	21.35	10.40	31.75	55.36	-23.61	AVG
2	0.1660	33.54	10.40	43.94	65.15	-21.21	QP
3	0.2460	32.72	10.35	43.07	61.89	-18.82	QP
4	0.2540	18.36	10.34	28.70	51.62	-22.92	AVG
5	0.3379	32.67	10.28	42.95	59.25	-16.30	QP
6	0.3379	18.82	10.28	29.10	49.25	-20.15	AVG
7	0.5940	32.61	10.22	42.83	56.00	-13.17	QP
8	0.5940	18.86	10.22	29.08	46.00	-16.92	AVG
9*	1.1980	33.77	10.18	43.95	56.00	-12.05	QP
10	1.1980	19.30	10.18	29.48	46.00	-16.52	AVG
11	2.0500	32.25	10.33	42.58	56.00	-13.42	QP
12	2.0500	16.08	10.33	26.41	46.00	-19.59	AVG

Test mode:	TM3	Polarity:	Neutral



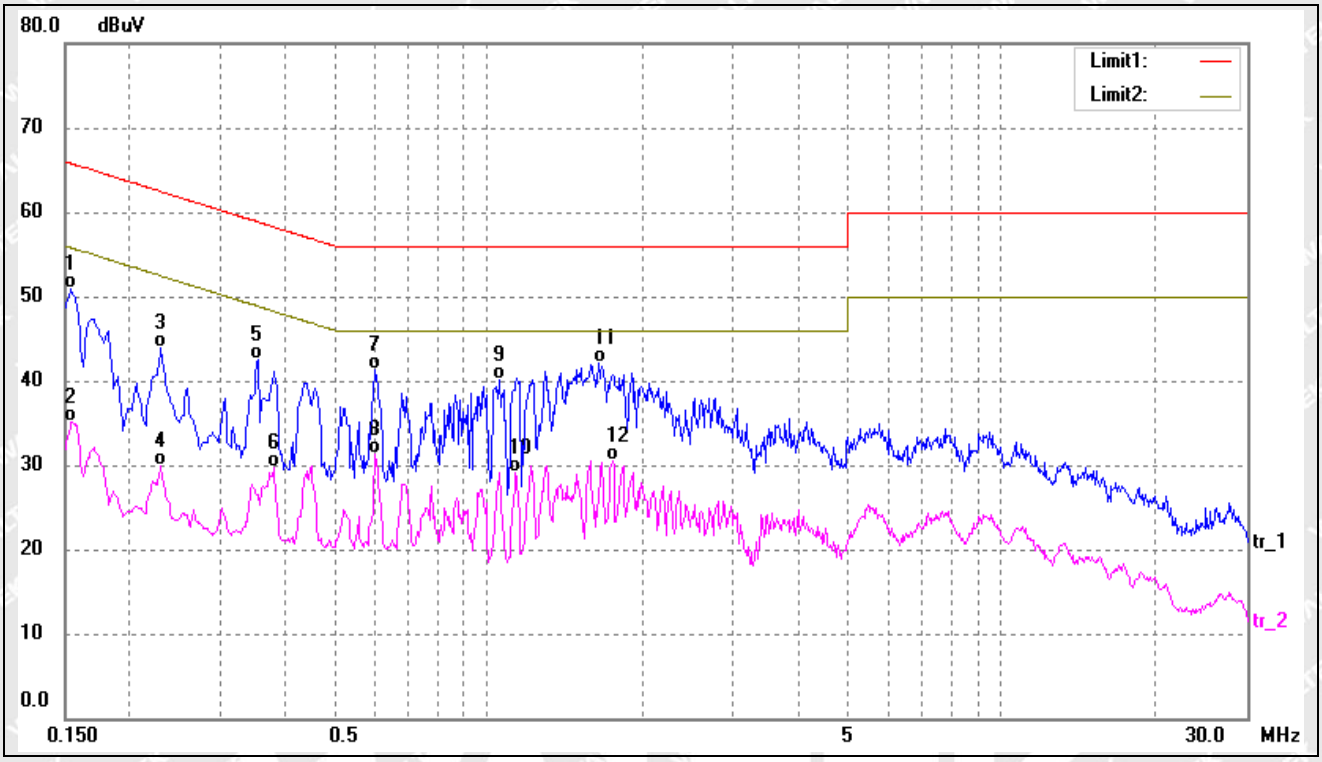
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1620	37.65	10.40	48.05	65.36	-17.31	QP
2	0.1660	25.84	10.40	36.24	55.15	-18.91	AVG
3	0.2460	33.33	10.35	43.68	61.89	-18.21	QP
4	0.2540	17.79	10.34	28.13	51.62	-23.49	AVG
5	0.3180	33.80	10.30	44.10	59.76	-15.66	QP
6	0.3420	20.36	10.28	30.64	49.15	-18.51	AVG
7	0.6700	32.84	10.20	43.04	56.00	-12.96	QP
8	0.6780	20.70	10.20	30.90	46.00	-15.10	AVG
9*	1.1140	34.14	10.16	44.30	56.00	-11.70	QP
10	1.1900	20.63	10.18	30.81	46.00	-15.19	AVG
11	1.9540	17.72	10.33	28.05	46.00	-17.95	AVG
12	2.0420	31.11	10.33	41.44	56.00	-14.56	QP

Test mode:	TM4	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	37.29	10.41	47.70	65.78	-18.08	QP
2	0.1539	22.51	10.41	32.92	55.78	-22.86	AVG
3	0.2300	18.97	10.36	29.33	52.45	-23.12	AVG
4	0.2460	34.29	10.35	44.64	61.89	-17.25	QP
5	0.4500	19.19	10.25	29.44	46.87	-17.43	AVG
6	0.4620	33.19	10.25	43.44	56.66	-13.22	QP
7	1.0420	32.77	10.14	42.91	56.00	-13.09	QP
8	1.2180	20.41	10.18	30.59	46.00	-15.41	AVG
9*	1.6660	34.42	10.27	44.69	56.00	-11.31	QP
10	1.8260	20.74	10.29	31.03	46.00	-14.97	AVG
11	2.5220	17.49	10.34	27.83	46.00	-18.17	AVG
12	2.6140	31.59	10.34	41.93	56.00	-14.07	QP

Test mode:	TM4	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	40.50	10.41	50.91	65.78	-14.87	QP
2	0.1539	24.71	10.41	35.12	55.78	-20.66	AVG
3	0.2300	33.60	10.36	43.96	62.45	-18.49	QP
4	0.2300	19.56	10.36	29.92	52.45	-22.53	AVG
5	0.3540	32.20	10.28	42.48	58.87	-16.39	QP
6	0.3820	19.44	10.27	29.71	48.23	-18.52	AVG
7	0.6020	31.05	10.22	41.27	56.00	-14.73	QP
8	0.6020	21.16	10.22	31.38	46.00	-14.62	AVG
9	1.0500	29.90	10.14	40.04	56.00	-15.96	QP
10	1.1300	18.96	10.16	29.12	46.00	-16.88	AVG
11*	1.6420	31.82	10.26	42.08	56.00	-13.92	QP
12	1.7460	20.21	10.28	30.49	46.00	-15.51	AVG

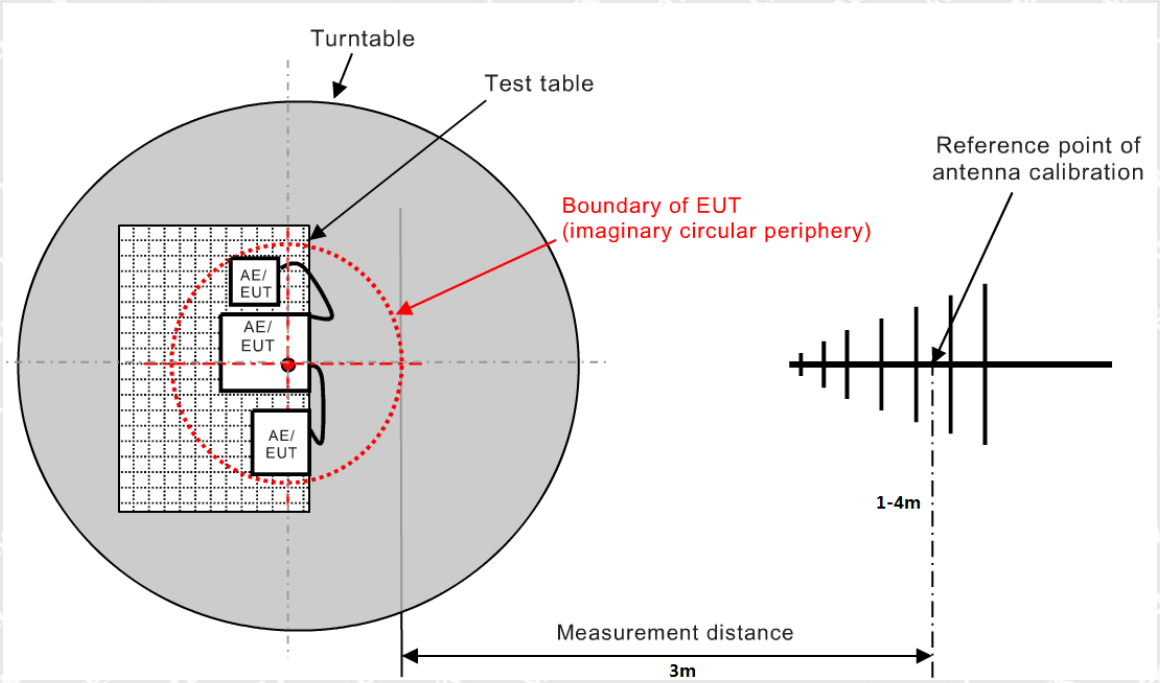
4. Radiated Emission

4.1 Measurement Uncertainty

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

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Radiated Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB

4.2 Basic Test Setup Block Diagram



4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Correct

Correct=Ant.Factor + Cable Loss - Ampl.Gain

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

Margin = Corr. Ampl. – EN 55032 Class B Limit

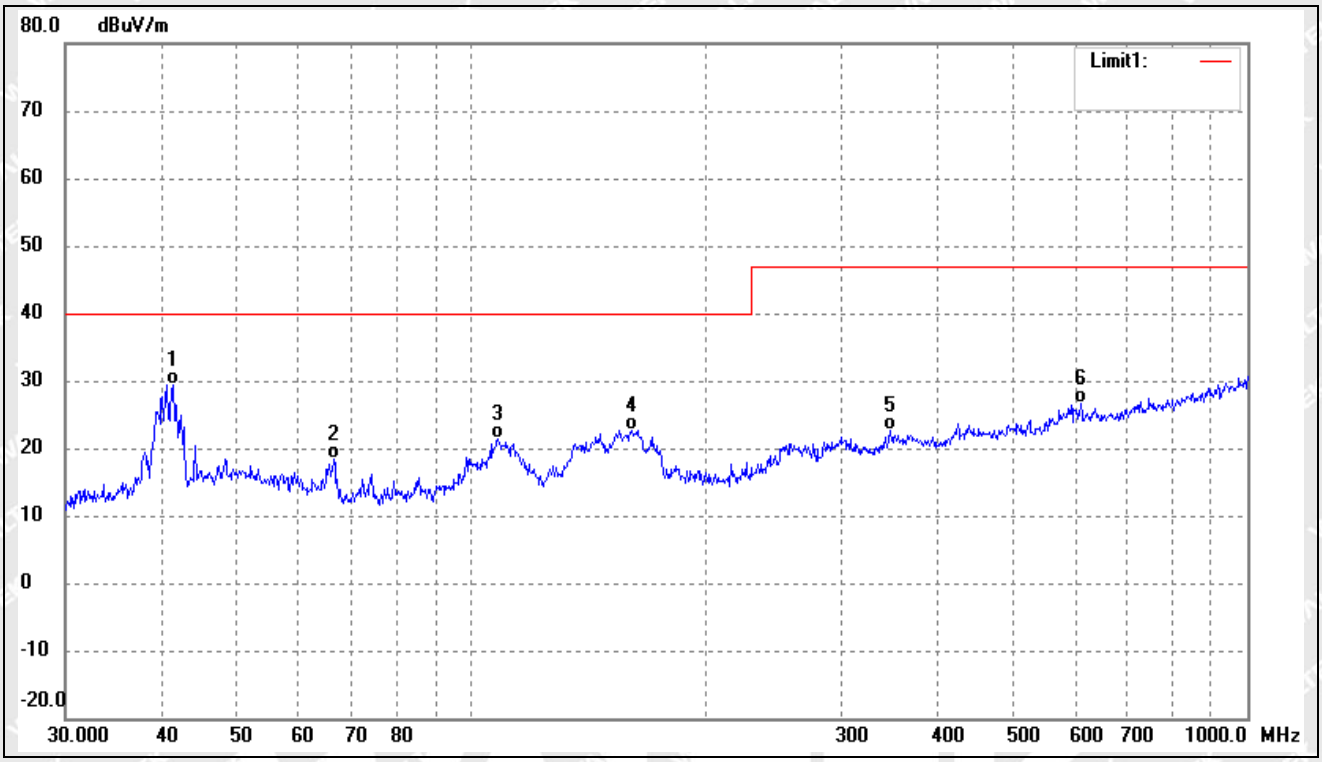
4.4 Environmental Conditions

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

4.5 Summary of Test Results

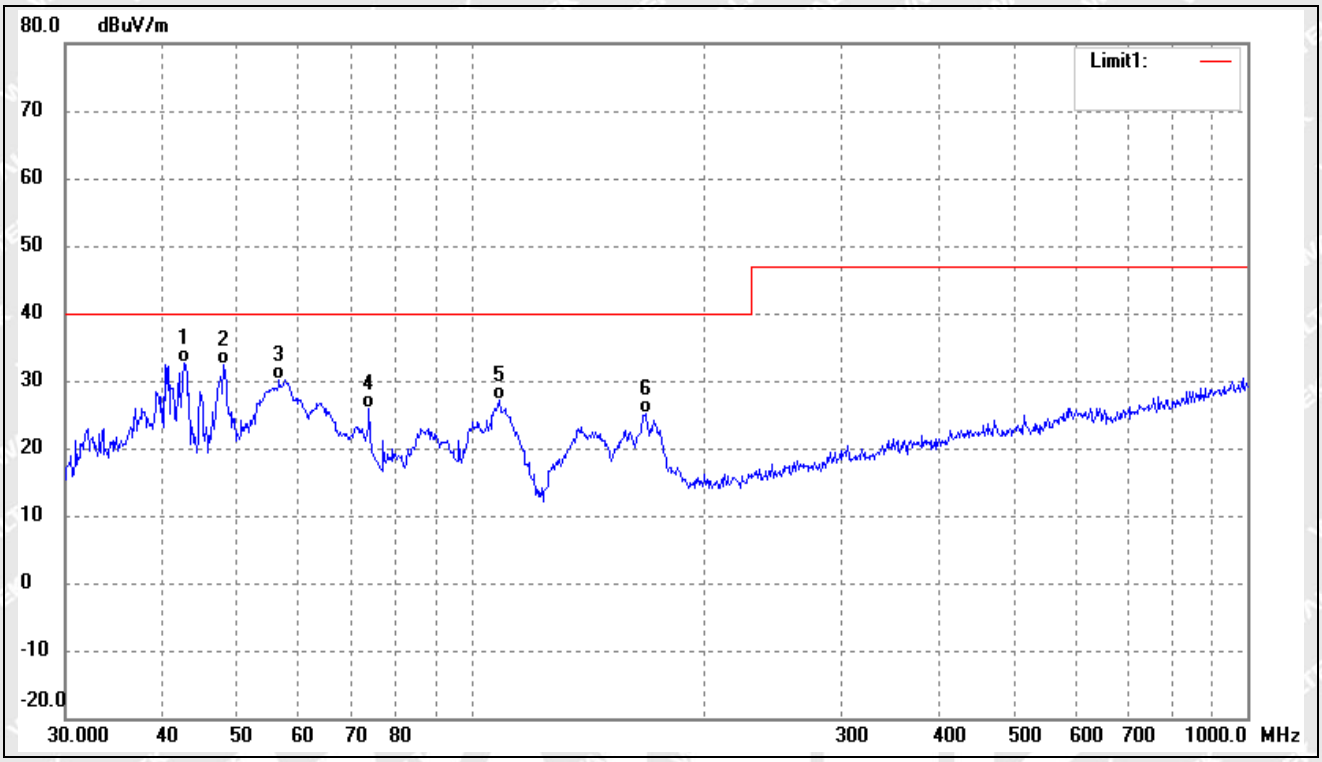
Please find the results below:

Test mode:	TM1	Polarity:	Horizontal



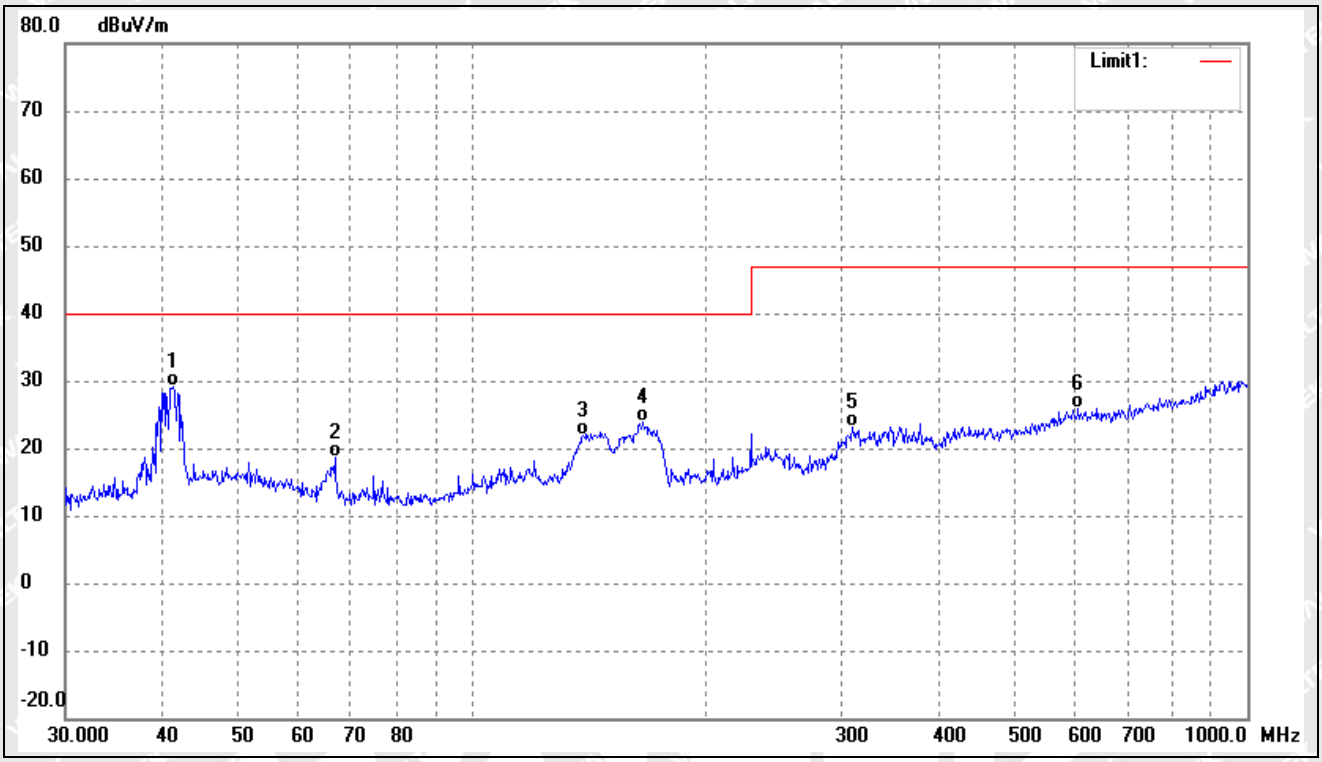
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	41.2765	40.93	-11.45	29.48	40.00	-10.52	QP
2	66.4989	31.74	-13.33	18.41	40.00	-21.59	QP
3	108.2667	33.61	-12.20	21.41	40.00	-18.59	QP
4	160.9089	37.00	-14.25	22.75	40.00	-17.25	QP
5	346.8092	28.97	-6.31	22.66	47.00	-24.34	QP
6	609.9217	29.03	-2.33	26.70	47.00	-20.30	QP

Test mode:	TM1	Polarity:	Vertical



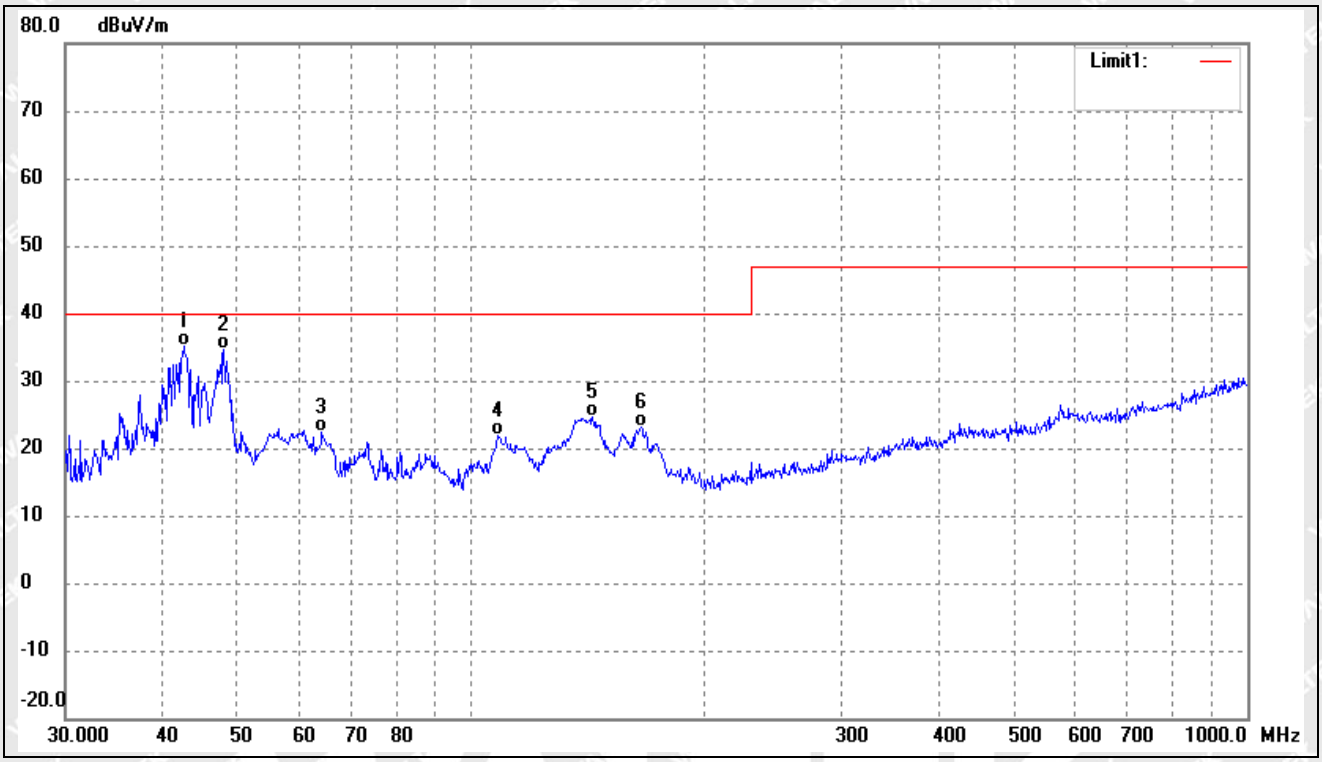
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	42.7496	43.70	-11.11	32.59	40.00	-7.41	QP
2	47.9940	42.74	-10.34	32.40	40.00	-7.60	QP
3	56.5929	41.79	-11.62	30.17	40.00	-9.83	QP
4	73.8756	39.87	-13.96	25.91	40.00	-14.09	QP
5	108.6470	39.22	-12.18	27.04	40.00	-12.96	QP
6	167.8243	38.83	-13.81	25.02	40.00	-14.98	QP

Test mode:	TM2	Polarity:	Horizontal



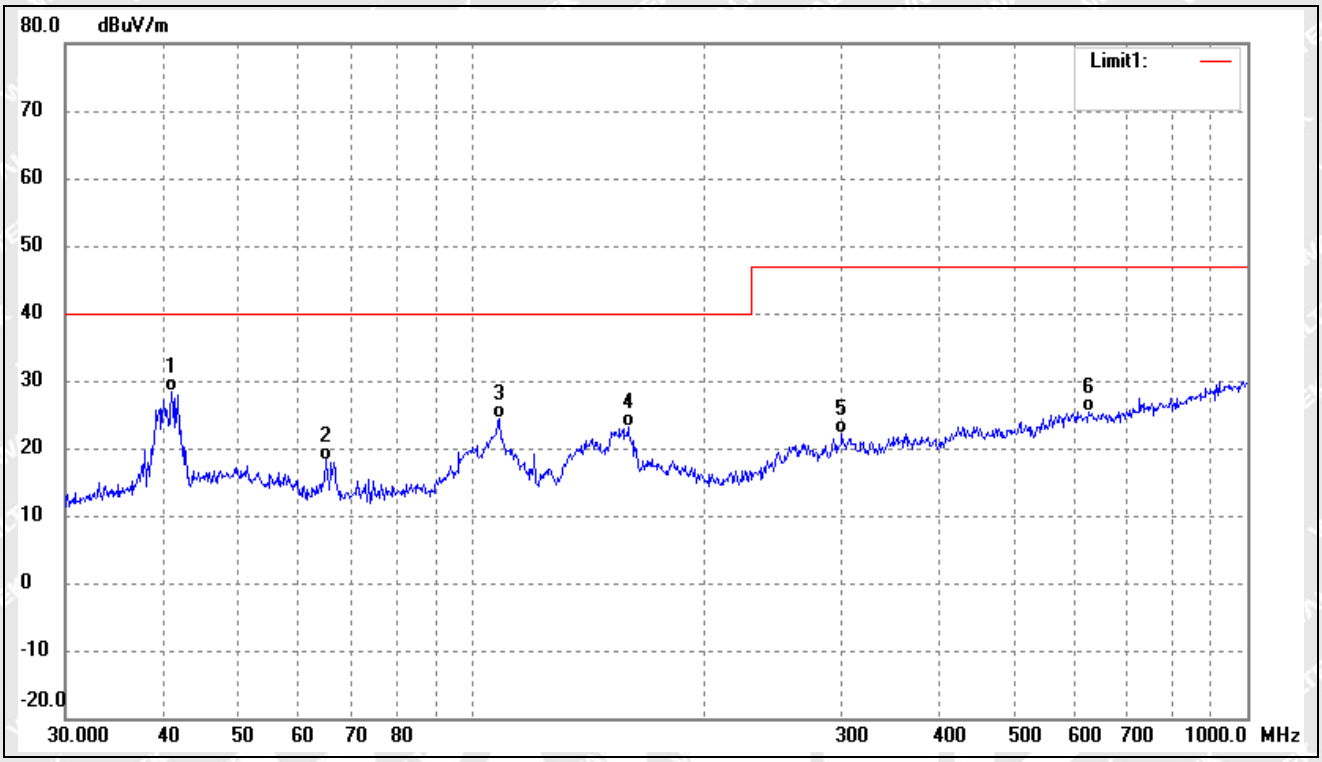
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	41.2765	40.58	-11.45	29.13	40.00	-10.87	QP
2	66.7325	32.08	-13.38	18.70	40.00	-21.30	QP
3	139.3613	36.38	-14.58	21.80	40.00	-18.20	QP
4	166.6514	37.65	-13.88	23.77	40.00	-16.23	QP
5	309.9977	30.34	-7.30	23.04	47.00	-23.96	QP
6	605.6592	28.08	-2.31	25.77	47.00	-21.23	QP

Test mode:	TM2	Polarity:	Vertical



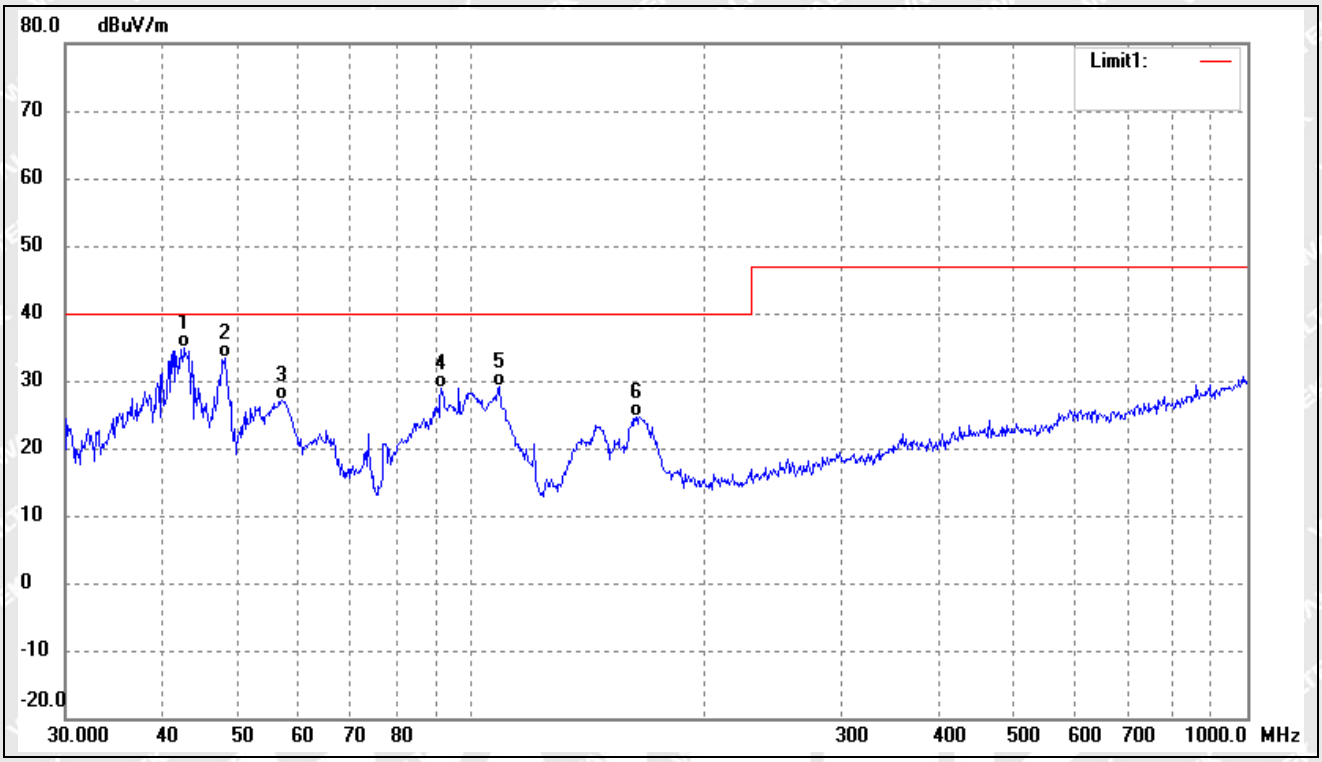
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	42.6000	46.36	-11.14	35.22	40.00	-4.78	QP
2	47.9940	44.98	-10.34	34.64	40.00	-5.36	QP
3	64.2074	35.32	-12.92	22.40	40.00	-17.60	QP
4	108.2667	33.99	-12.20	21.79	40.00	-18.21	QP
5	143.3261	39.21	-14.61	24.60	40.00	-15.40	QP
6	165.4866	37.12	-13.96	23.16	40.00	-16.84	QP

Test mode:	TM3	Polarity:	Horizontal



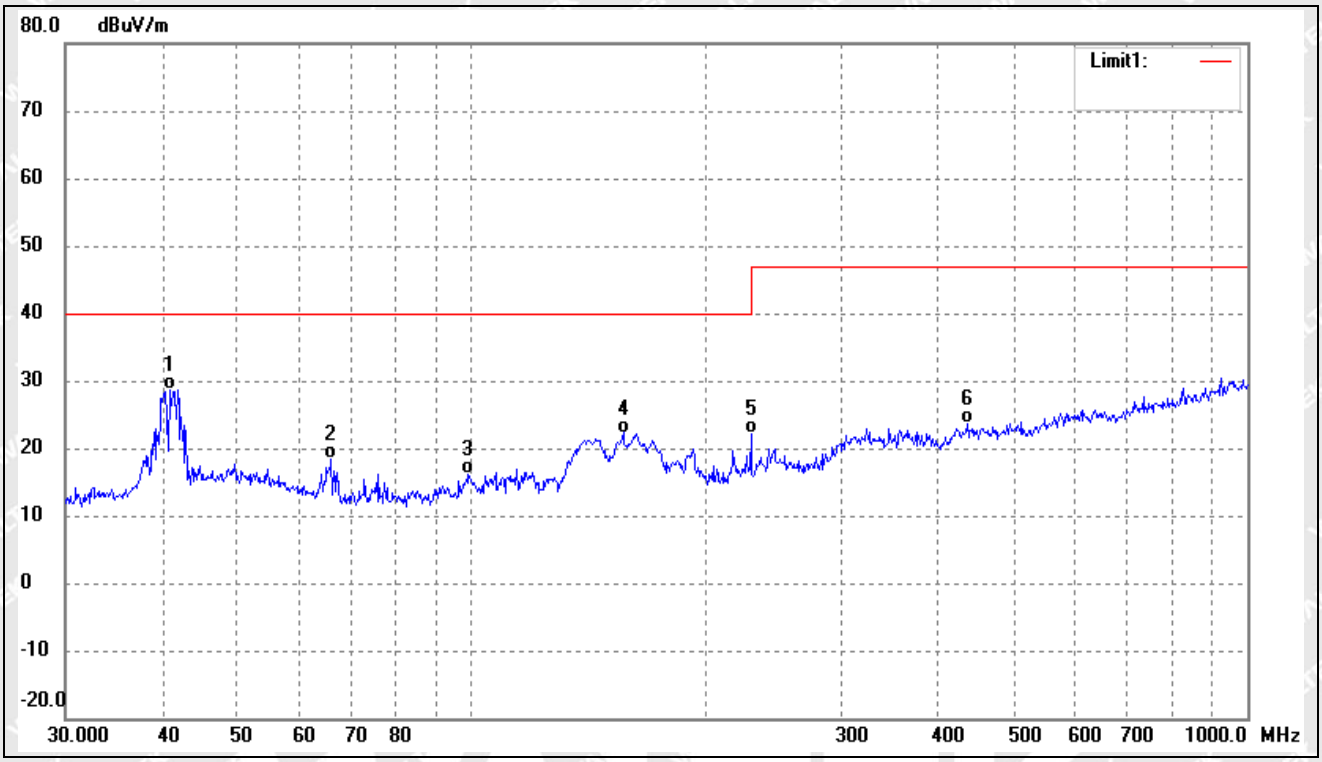
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	41.1320	39.83	-11.49	28.34	40.00	-11.66	QP
2	64.8865	31.25	-13.00	18.25	40.00	-21.75	QP
3	108.6470	36.59	-12.18	24.41	40.00	-15.59	QP
4	159.2251	37.38	-14.35	23.03	40.00	-16.97	QP
5	300.3672	29.31	-7.23	22.08	47.00	-24.92	QP
6	625.0780	27.74	-2.38	25.36	47.00	-21.64	QP

Test mode:	TM3	Polarity:	Vertical



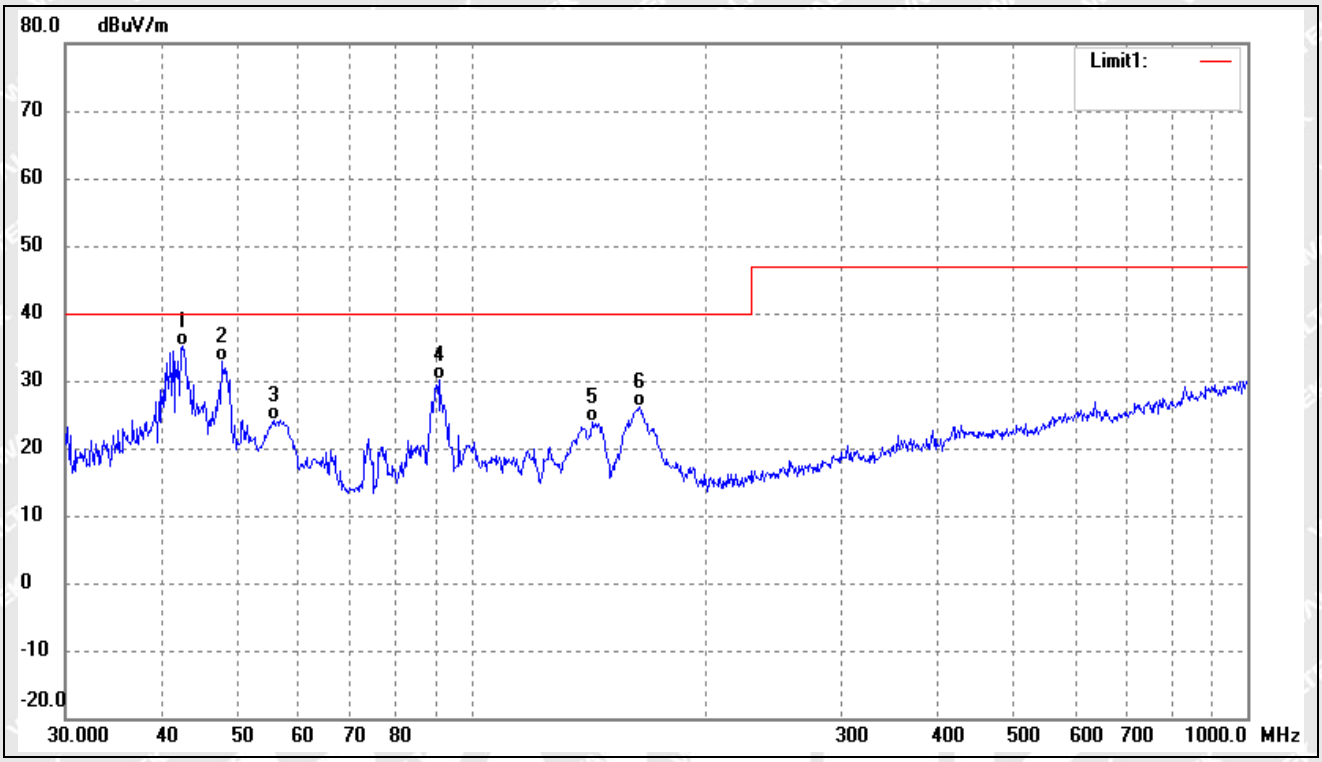
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	42.7496	46.07	-11.11	34.96	40.00	-5.04	QP
2	48.1626	43.81	-10.33	33.48	40.00	-6.52	QP
3	56.9912	38.74	-11.70	27.04	40.00	-12.96	QP
4	91.4949	42.99	-14.21	28.78	40.00	-11.22	QP
5	108.6470	41.27	-12.18	29.09	40.00	-10.91	QP
6	163.1818	38.72	-14.10	24.62	40.00	-15.38	QP

Test mode:	TM4	Polarity:	Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	40.8446	40.28	-11.56	28.72	40.00	-11.28	QP
2	66.0342	31.74	-13.24	18.50	40.00	-21.50	QP
3	99.1797	28.60	-12.54	16.06	40.00	-23.94	QP
4	157.0074	36.72	-14.47	22.25	40.00	-17.75	QP
5	229.2931	32.72	-10.51	22.21	40.00	-17.79	QP
6	435.5898	28.09	-4.40	23.69	47.00	-23.31	QP

Test mode:	TM4	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	42.4508	46.26	-11.17	35.09	40.00	-4.91	QP
2	47.6586	43.17	-10.36	32.81	40.00	-7.19	QP
3	55.6094	35.51	-11.39	24.12	40.00	-15.88	QP
4	90.8554	44.60	-14.36	30.24	40.00	-9.76	QP
5	143.3261	38.51	-14.61	23.90	40.00	-16.10	QP
6	164.9075	40.15	-13.99	26.16	40.00	-13.84	QP

5. Harmonic Current Emissions

5.1 Test Procedure

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

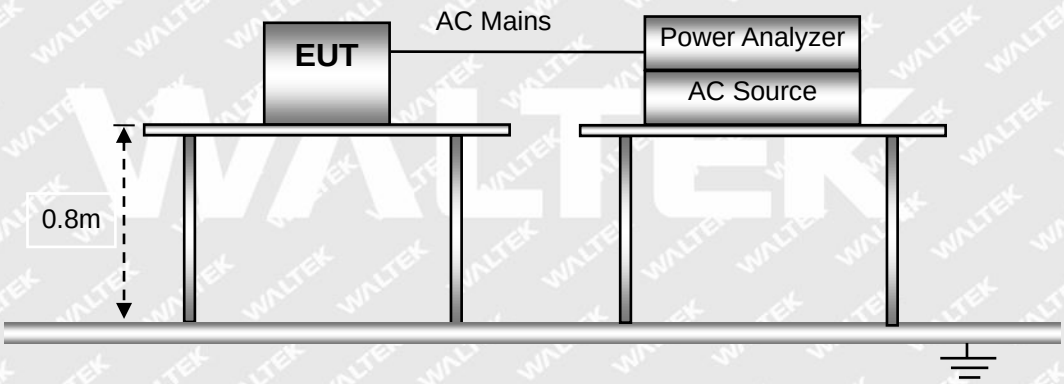
5.2 Test Standards

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.

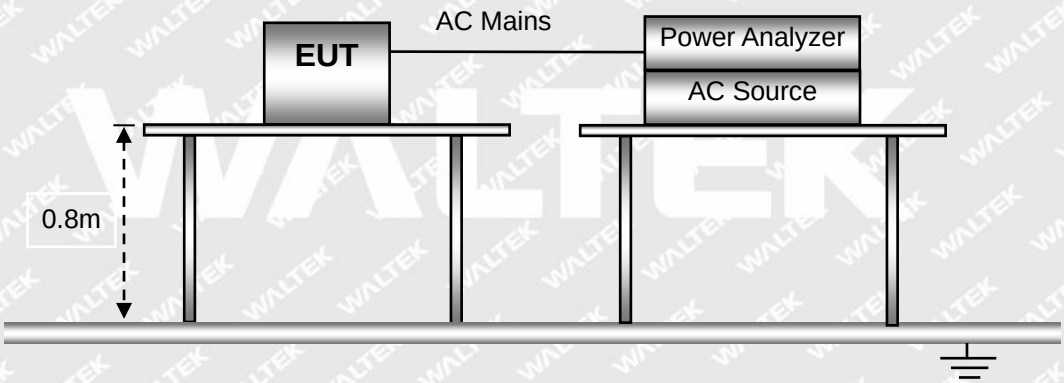
6.2 Test Standards

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

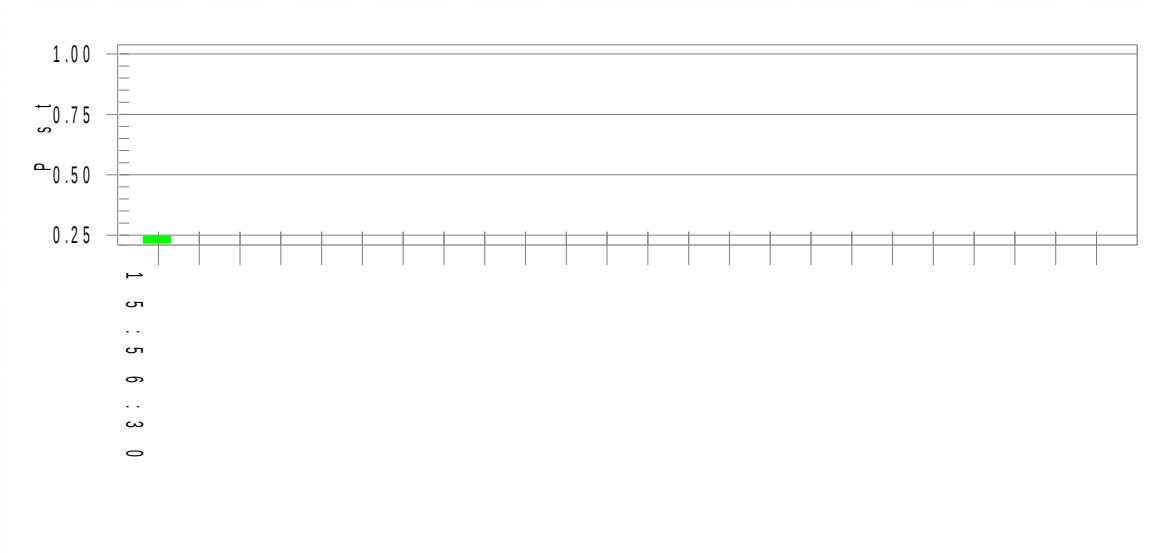
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM1

Customer: Customer information

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

Pst_1 and limit line **European Limits**



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 230.01

Highest dt (%):		**Test limit (%):**		
T-max (mS):	**0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.247**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.108**	**Test limit:**	**0.650**	**Pass**

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

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

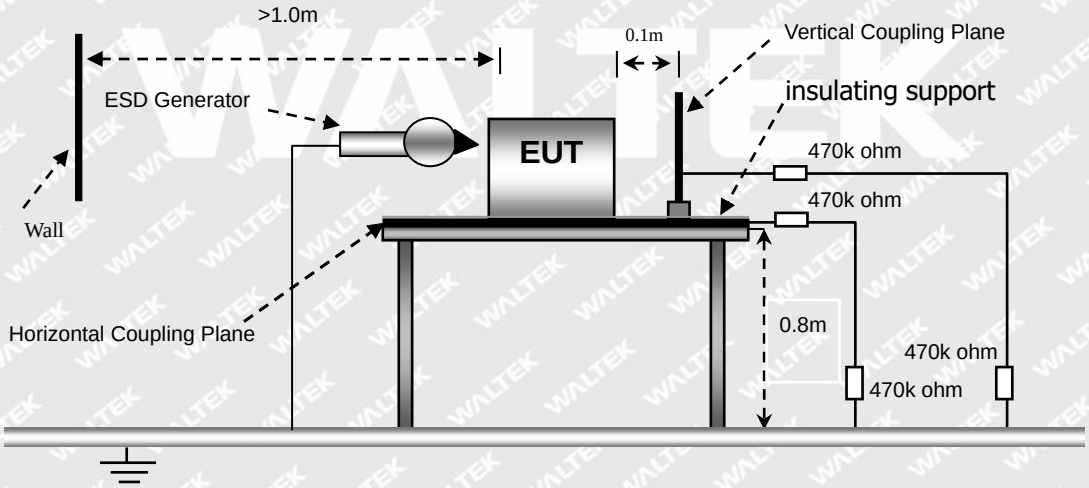
7.2 Test Performance

Performance Criterion: B

7.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
ATM Pressure:	998 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 Voltage (kV)									
Test Points	-2	+2	-4	+4	-8	+8	-15	+15	-18	+18
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 Voltage (kV)									
Test Points	-2	+2	-4	+4	-8	+8	-15	+15	-18	+18
Surface metal	A	A	A	A	A	A	/	/	/	/

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

EN 61000-4-2	Test Voltage (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-10	+10
HCP (6 Sides)	A	A	A	A	A	A	A	A	/	/
VCP (4 Sides)	A	A	A	A	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 61000-4-3.

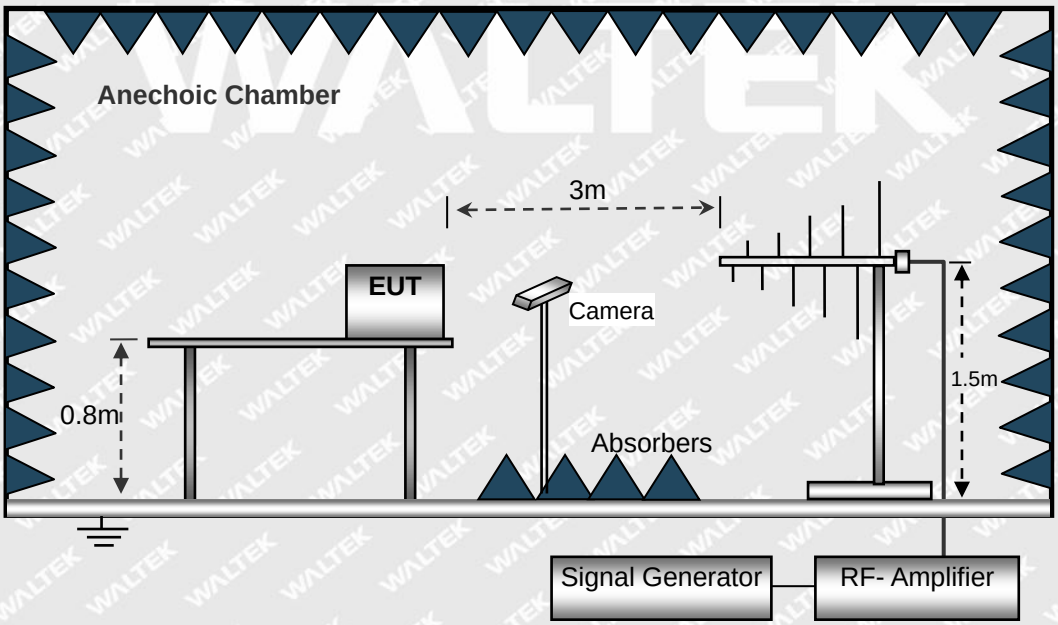
8.2 Test Performance

Performance Criterion: A

8.3 Environmental Conditions

Temperature:	23.5 °C
Relative Humidity:	53 %
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.

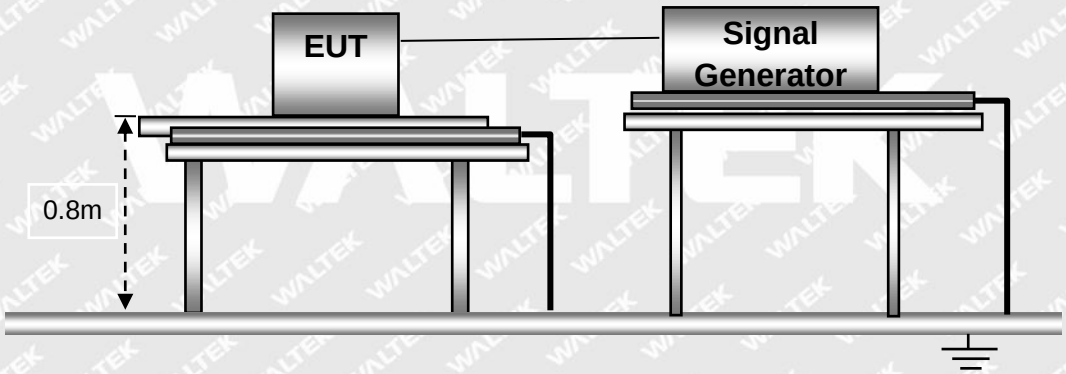
9.2 Test Performance

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	A	A	/	/
	N	/	/	A	A	A	A	/	/
	PE	/	/	/	/	/	/	/	/
	L+N	/	/	A	A	A	A	/	/
	L+PE	/	/	/	/	/	/	/	/
	N+PE	/	/	/	/	/	/	/	/
	L+N+PE	/	/	/	/	/	/	/	/
Signal ports	RJ45	/	/	/	/	/	/	/	/

Test Result: Pass

10. Surges

10.1 Test Procedure

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

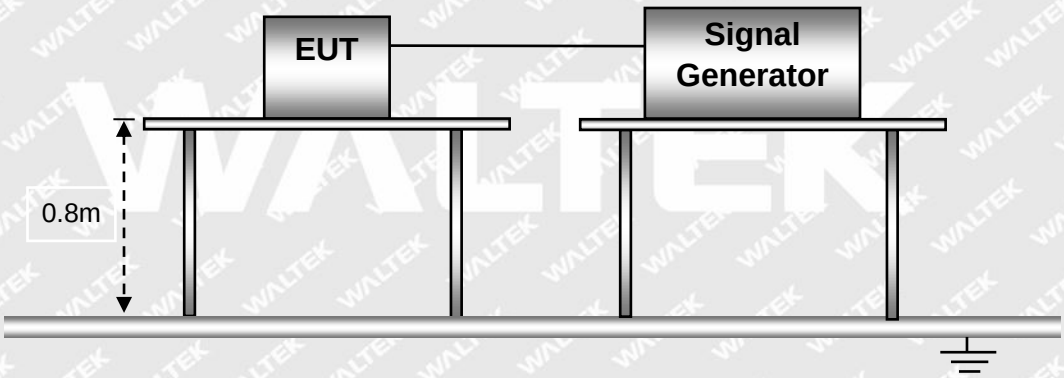
10.2 Test Performance

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-N	A	/
2kV	±	L-N, L-PE, N-PE	/	/
4kV	±	L-PE, N-PE	/	/

Test Result: Pass

11. Continuous Induced RF Disturbances (C/S)

11.1 Test Procedure

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

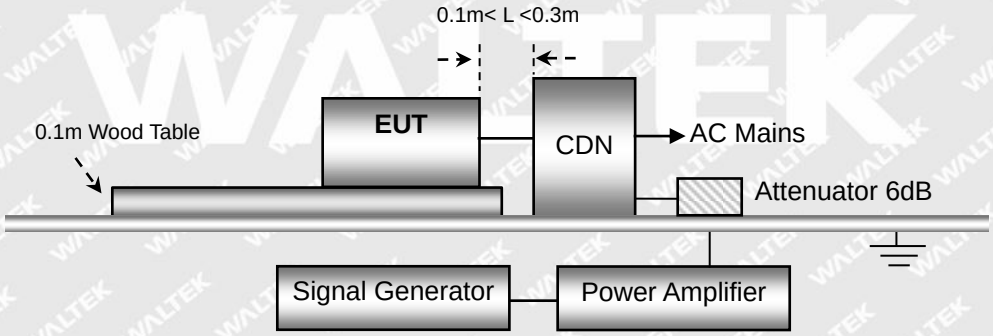
11.2 Test Performance

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	3V	A	Pass
30-80	AC Mains	3V	A	Pass

Test Result: Pass

12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

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

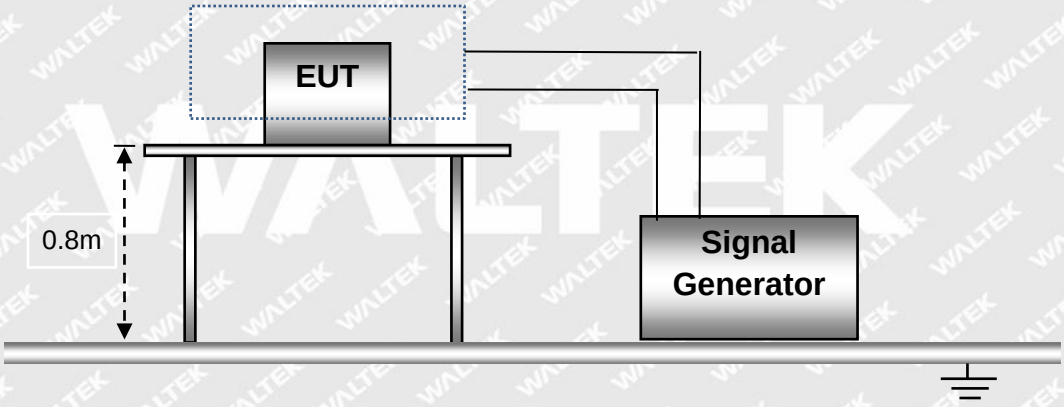
12.2 Test Performance

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 61000-4-11.

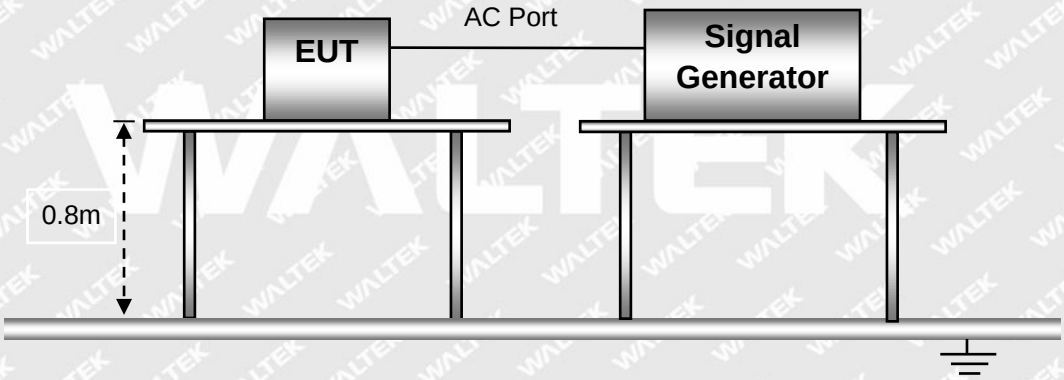
13.2 Test Performance

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

ICT/ITE Power Supply
Model: GT*46161-**-**
Brand: GlobTek, Inc.
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



EXHIBIT 2 - EUT PHOTOGRAPHS

GTM46161-165.0-USB1A1C

EUT View 1



EUT View 2



EUT View 3



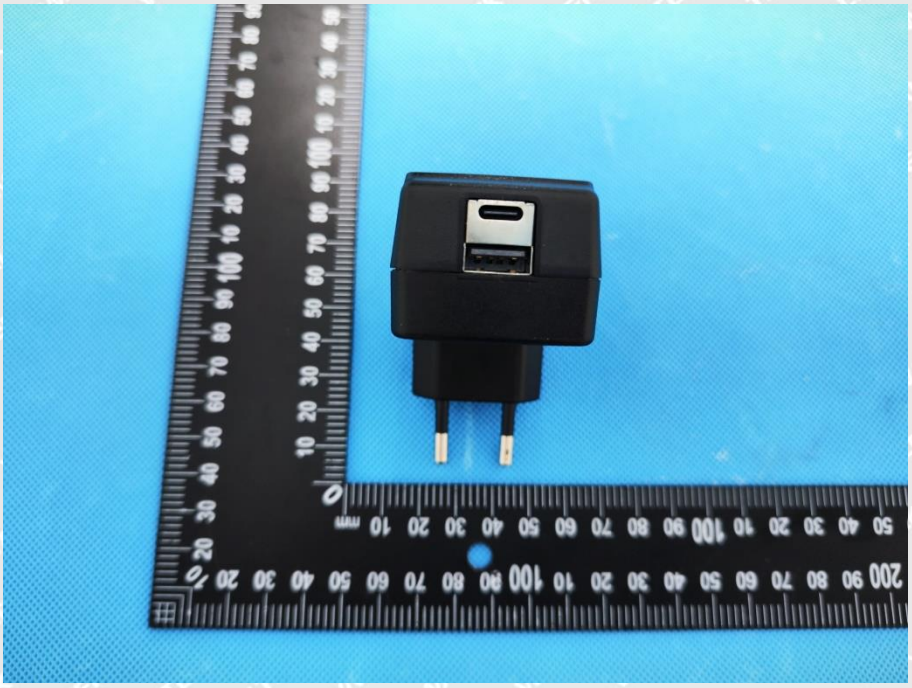
EUT View 4



EUT View 5



EUT View 6



GTM46161-165.5-USBC

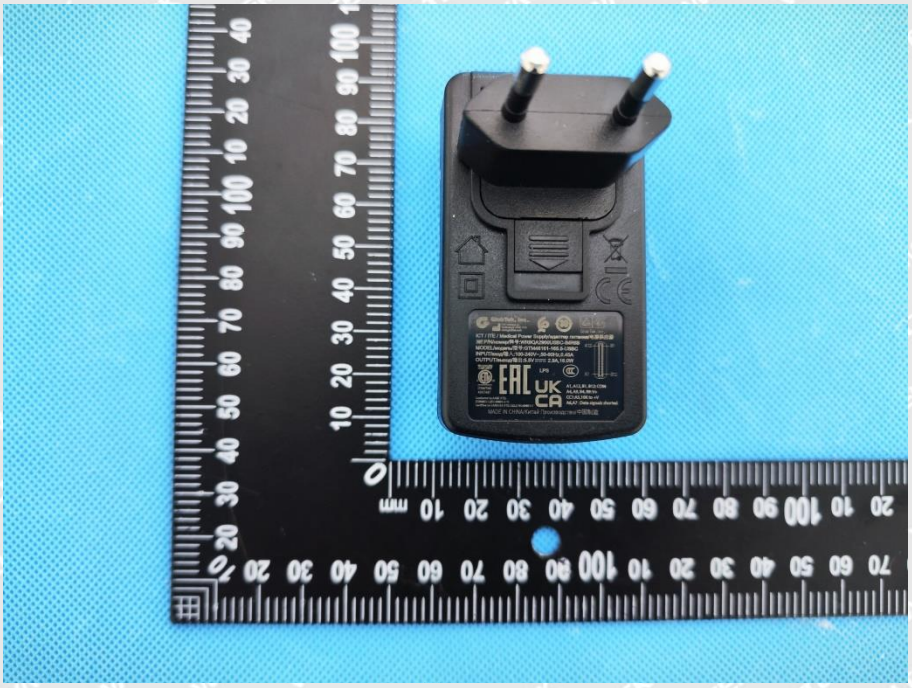
EUT View 7



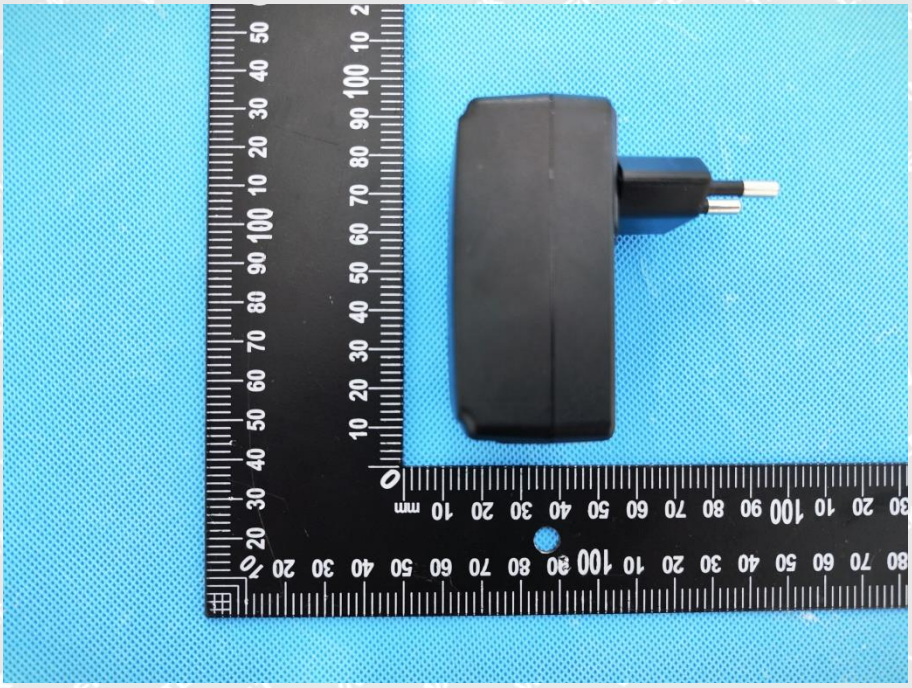
EUT View 8



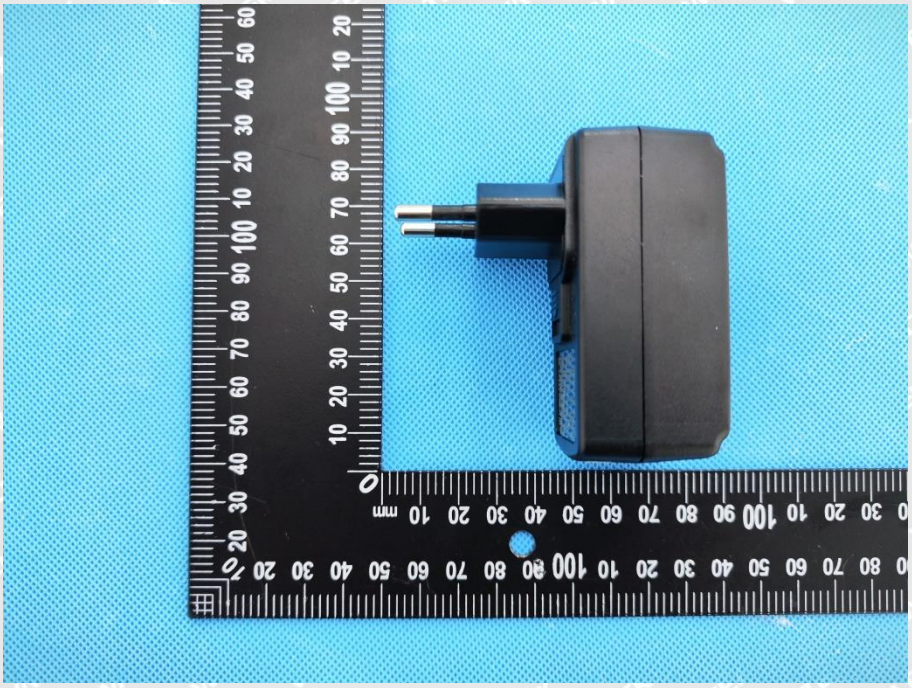
EUT View 9



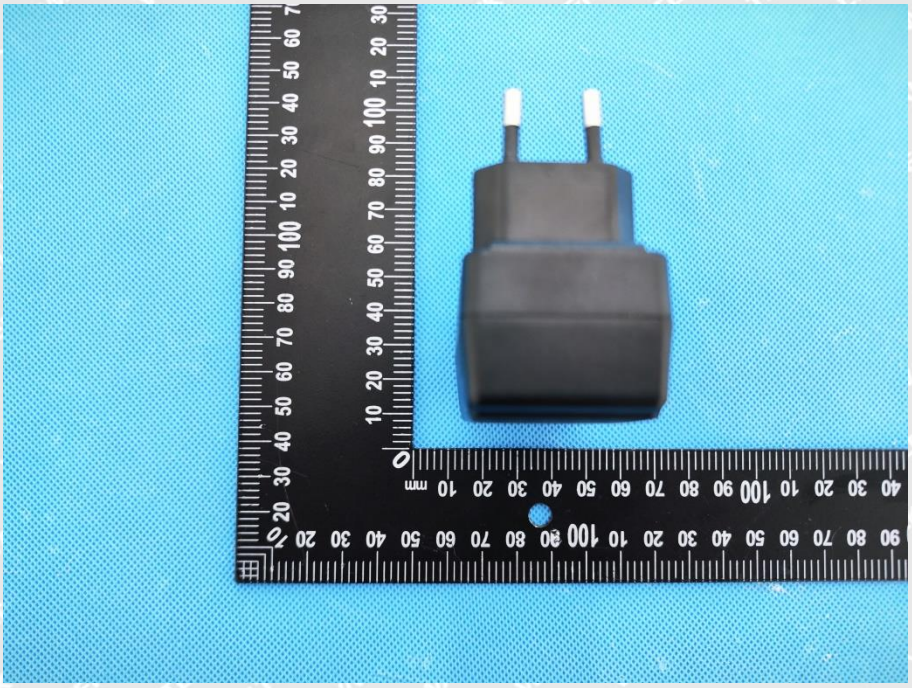
EUT View 10



EUT View 11



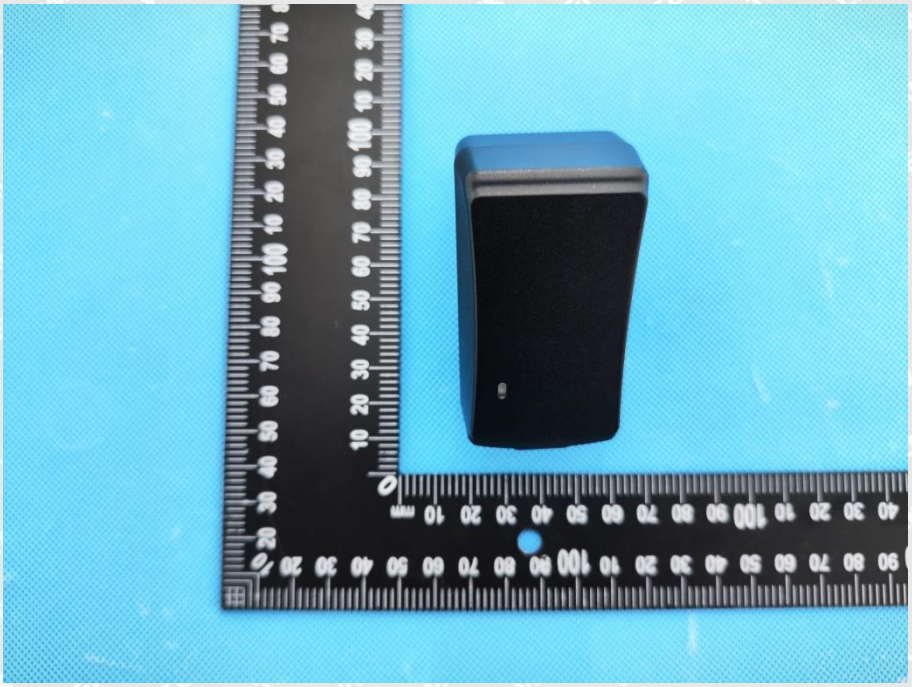
EUT View 12



EUT View 13



GTM46161-155.0-USB2C
EUT View 14



EUT View 15



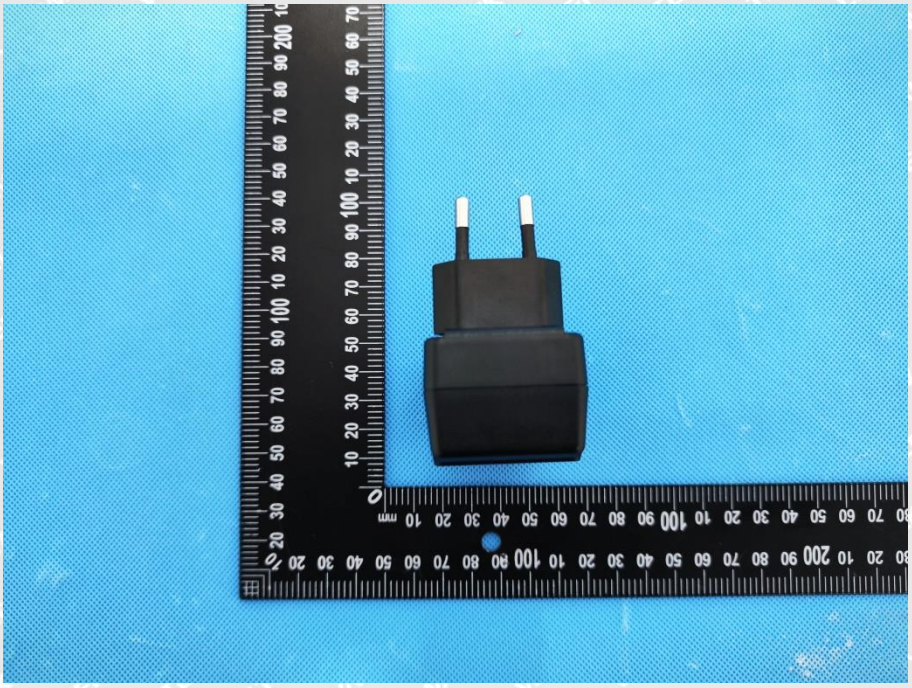
EUT View 16



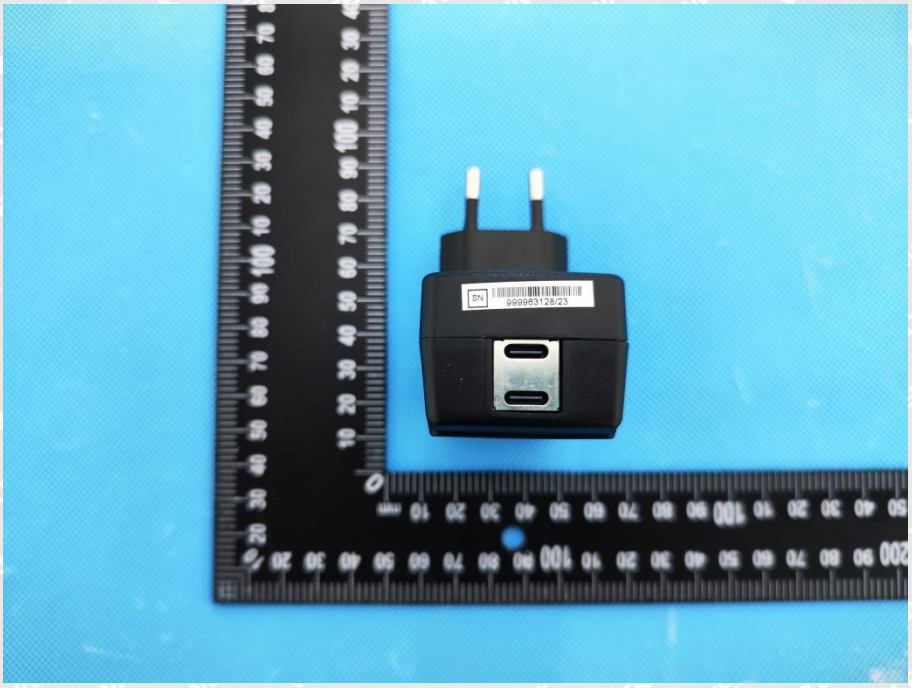
EUT View 17



EUT View 18

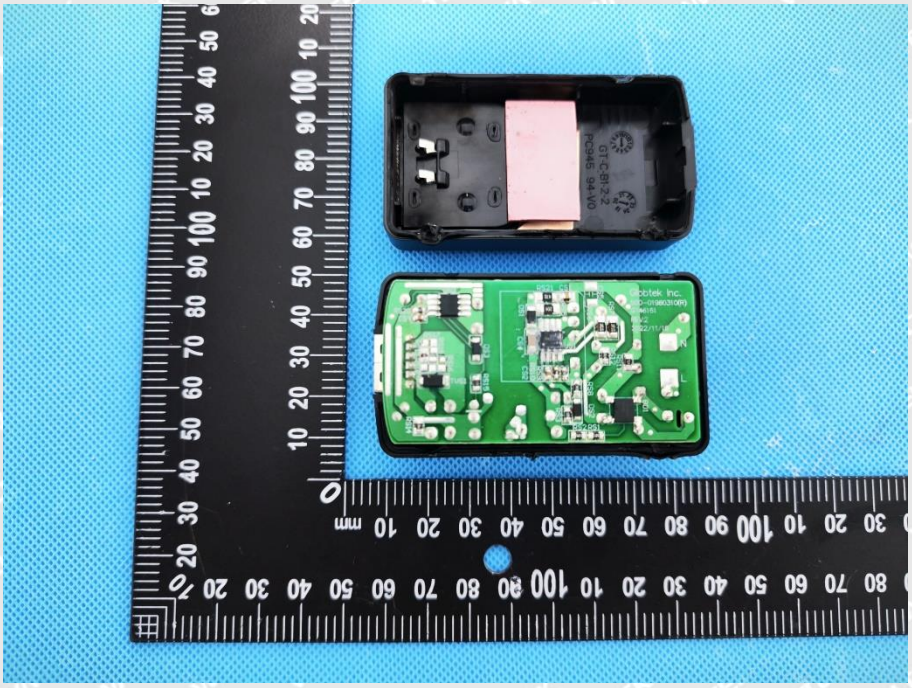


EUT View 19

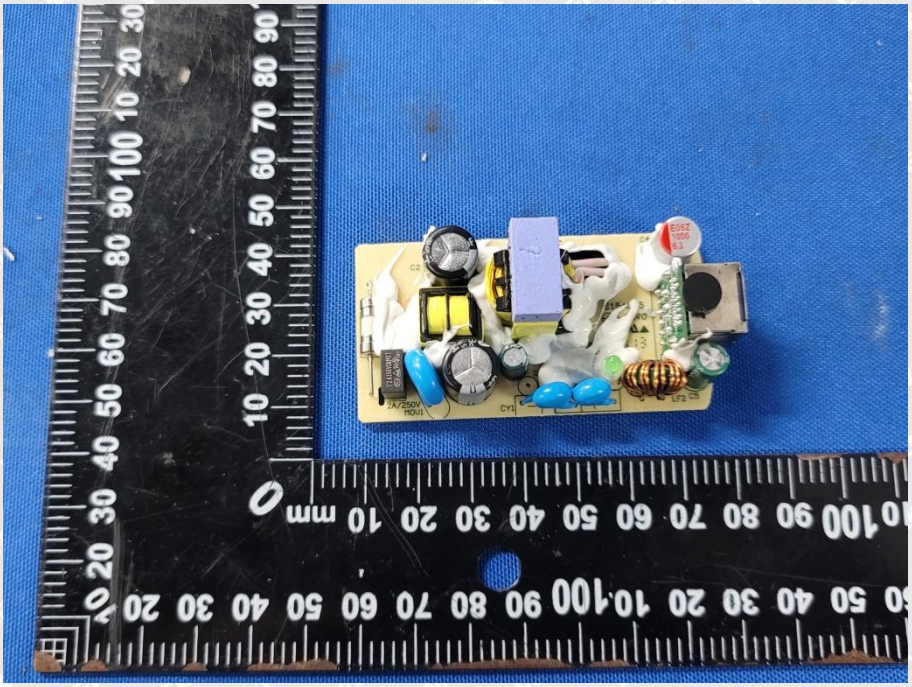


GTM46161-165.0-USB1A1C

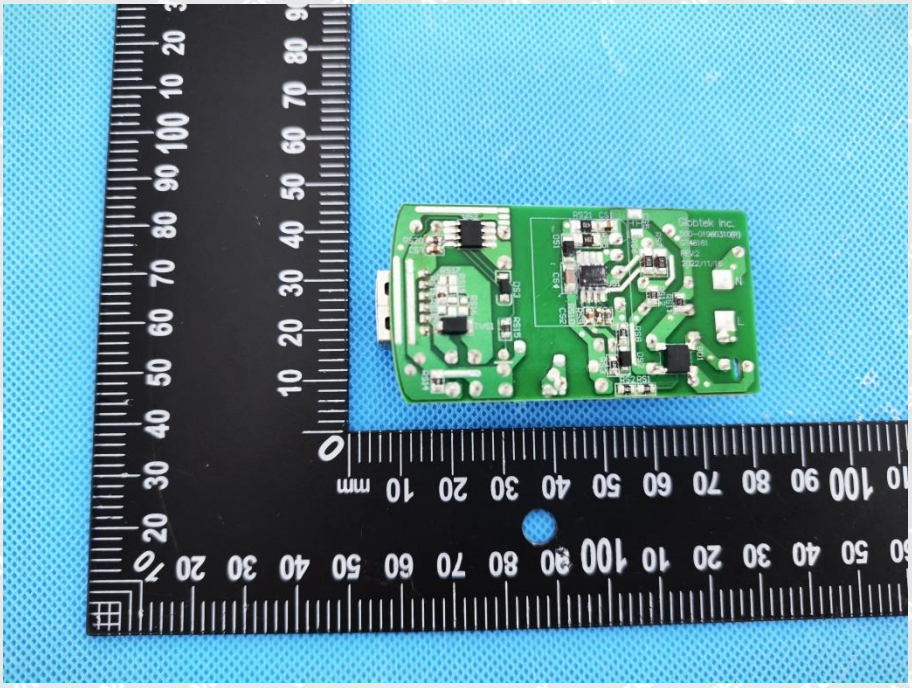
EUT Housing and Board View 1



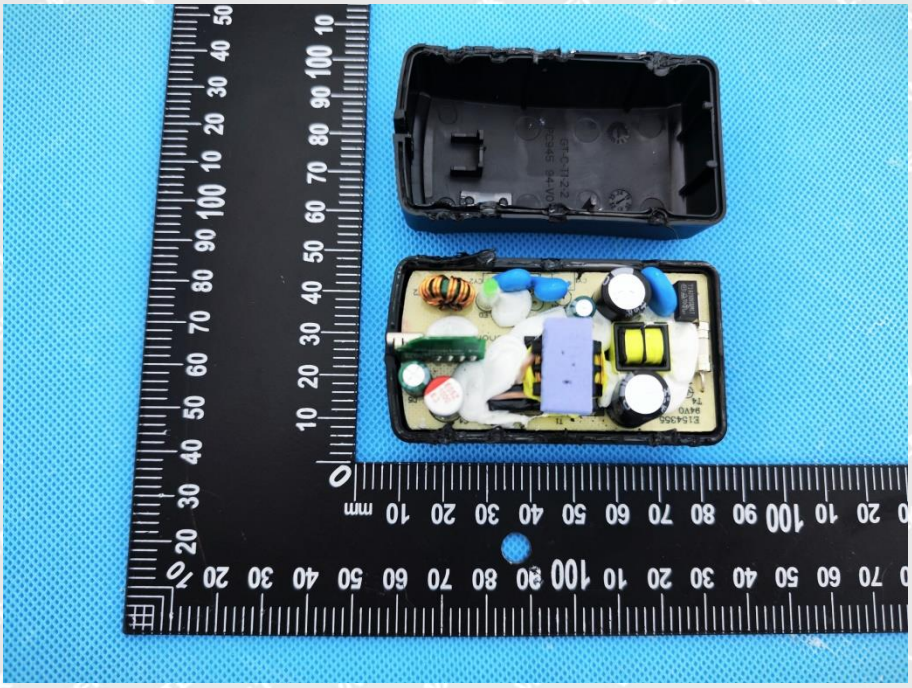
Solder Board-Component View 2



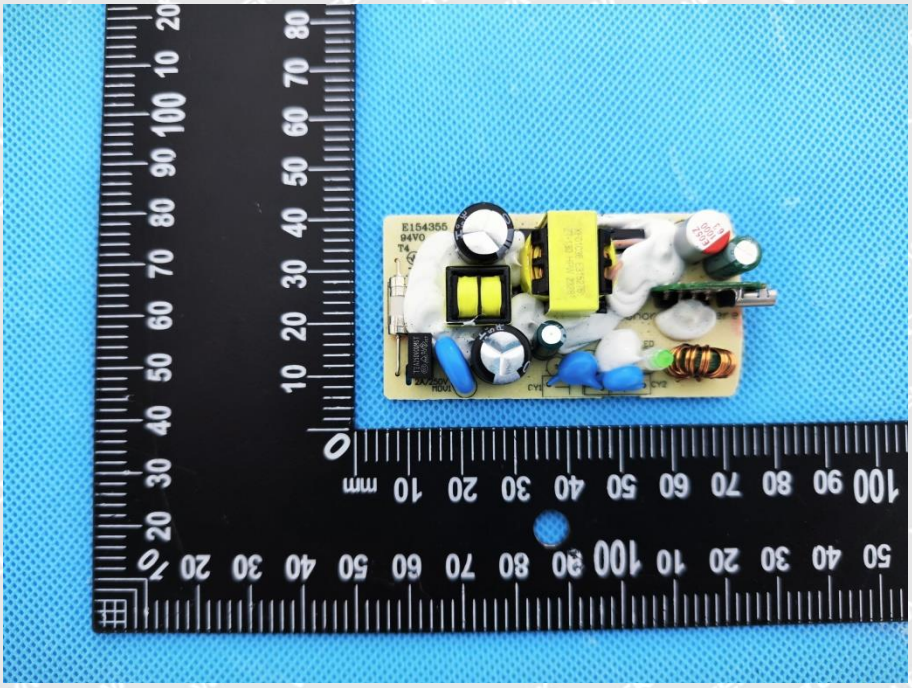
Solder Board-Component View 3



GTM46161-165.5-USBC
EUT Housing and Board View 4



Solder Board-Component View 5



Solder Board-Component View 6

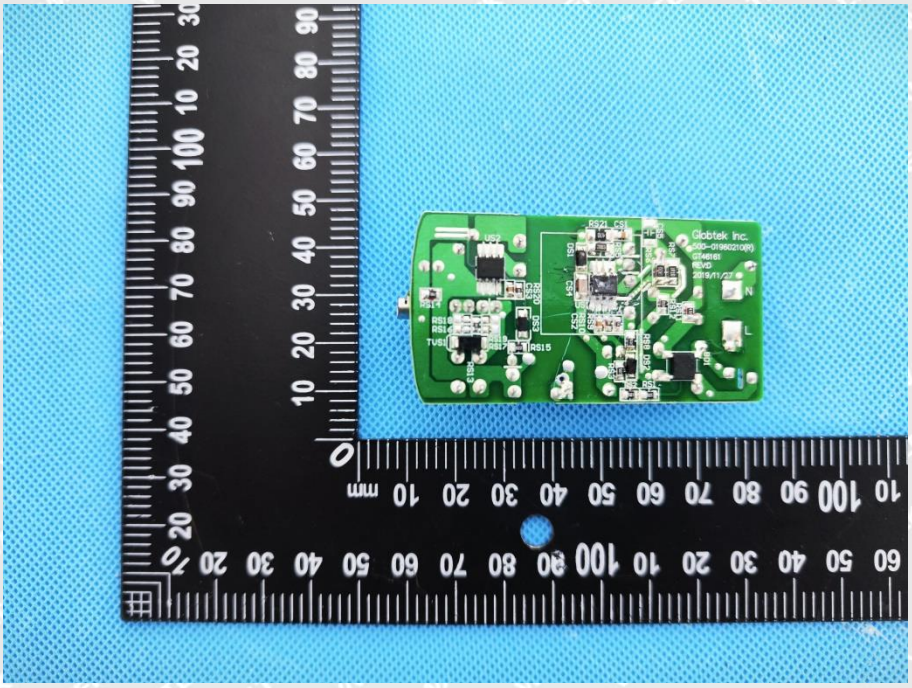
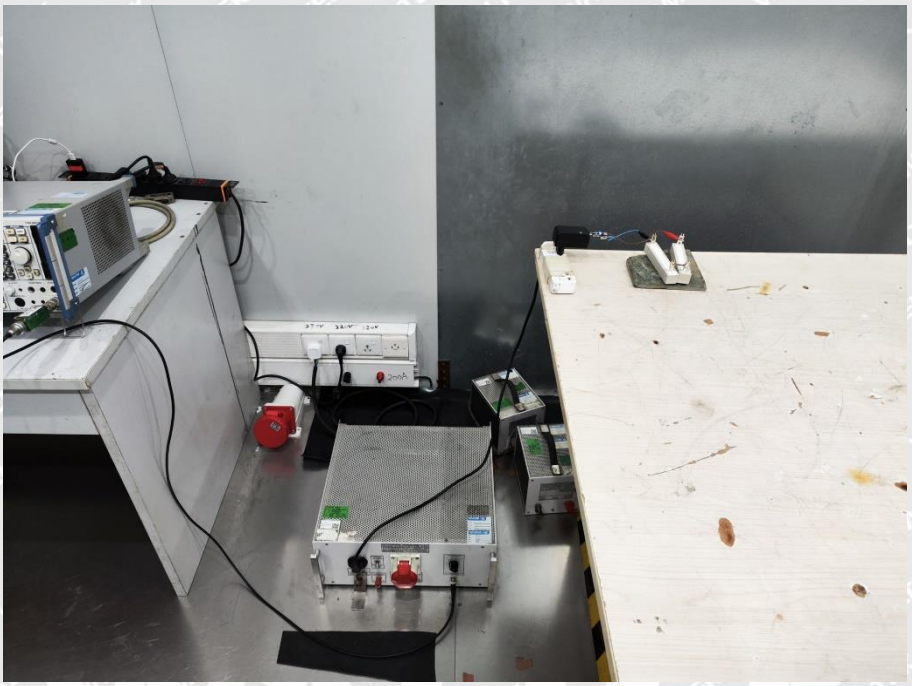
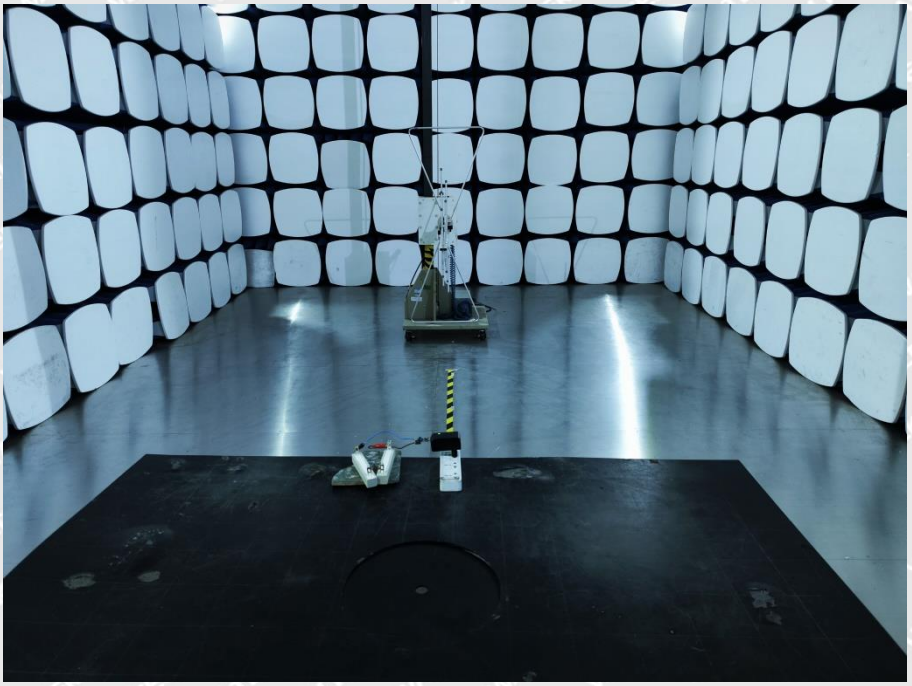


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conduction Emission Test View



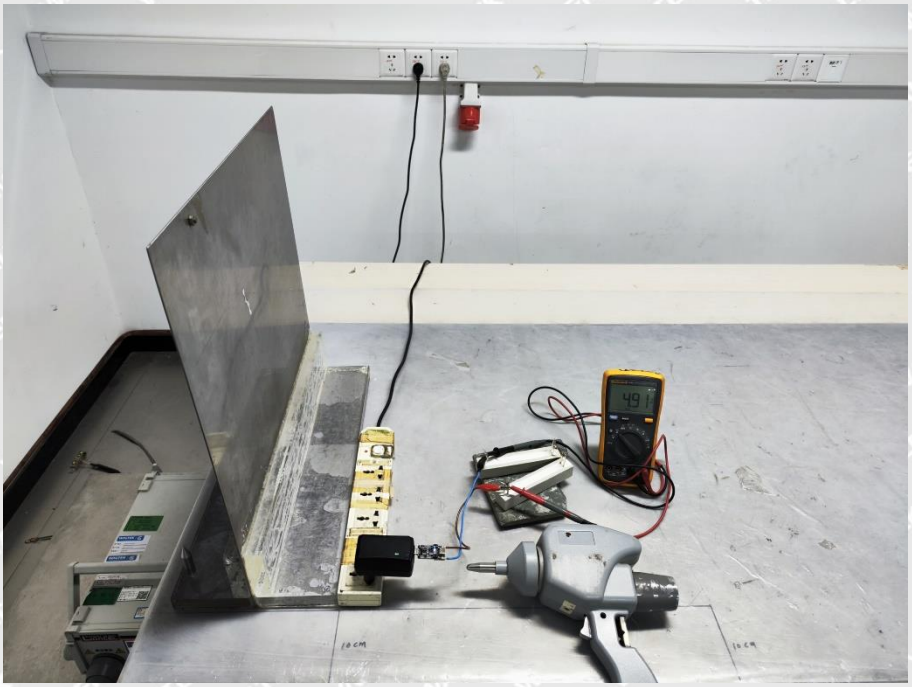
Radiation Emission Test View



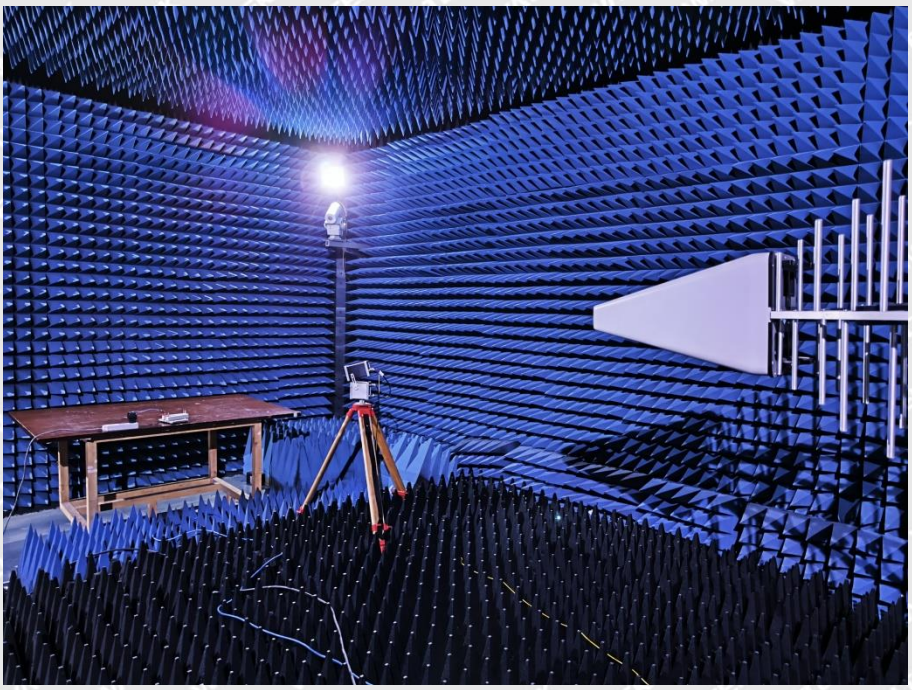
Harmonic/Flicker Test View



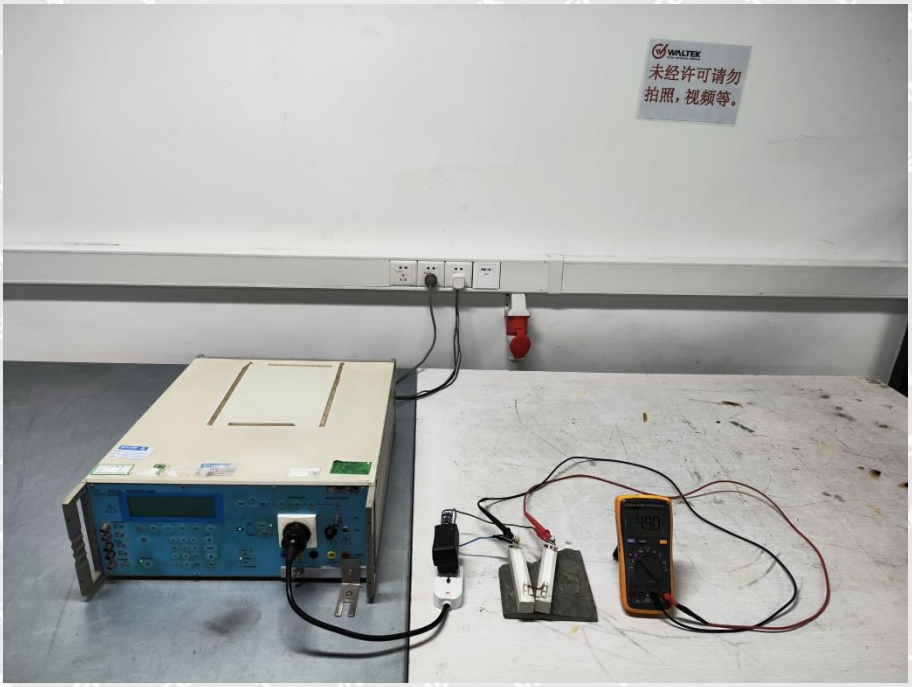
EN 61000-4-2 Test View



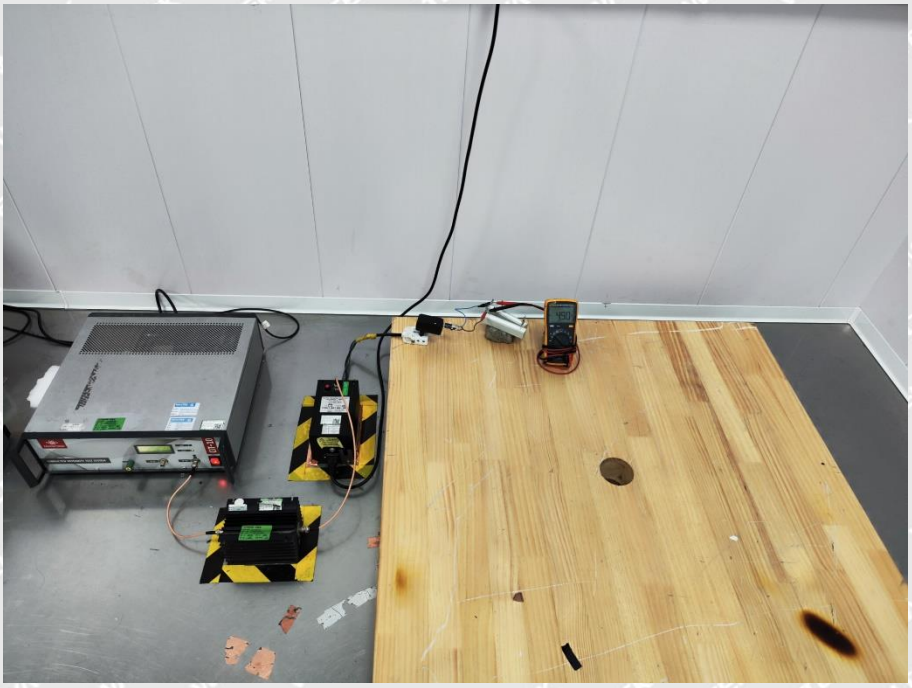
EN 61000-4-3 Test View



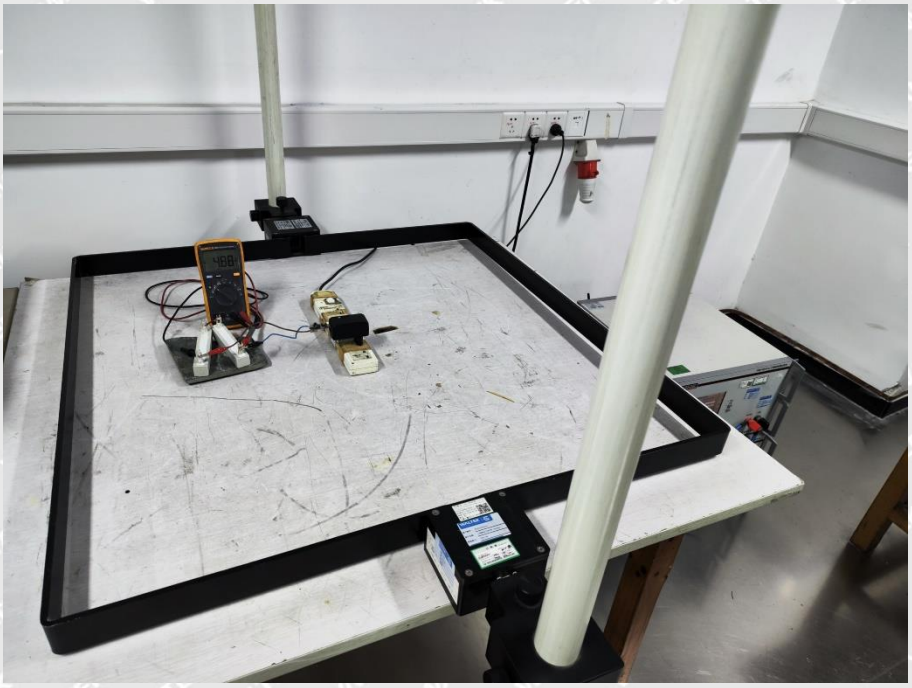
EN 61000-4-4/5/11 Test View



EN 61000-4-6 Test View



EN 61000-4-8 Test View



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