TEST REPORT

Reference No.	:	WTX24X05123436E
Applicant	:	GlobTek, Inc.
Address	:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer	:	1: GlobTek, Inc.2: GlobTek (Suzhou) Co., Ltd
Address	:	1: 186 Veterans Dr. Northvale, NJ 07647 USA 2: Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China
Product Name	:	ICT/ITE/Medical Power Supply
Model No.	:	GT*96600-****
Standards	:	**IEC 60601-1-2:2014+AMD1:2020**
Date of Receipt sample	:	2024-05-29
Date of Test	:	2024-05-29 to 2024-06-17
Date of Issue	:	2024-06-18
Test Report Form No.	:	WTX_IEC_60601_1_2_2014_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.

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Report version

Version No.	Date of issue	Description
Rev.00	2024-06-18	Original report WTX24X05123435E.
Rev.01	2024-06-18	Refer to the Original WTX24X05123435E, Switch to IEC 60601-1-2:2014+AMD1:2020 standard.

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	ICT/ITE/Medical Power Supply
Trade Name:	GlobTek, Inc.
Model No.:	GT*96600-****
Adding Model(s):	/

Note: The test data is gathered from a production sample, provided by the manufacturer.
*GT*96600-****
The 1st "" part can be 'M' or '-' or 'H' for market identification and not related to safety.*
The 2nd "" denotes the rated output wattage designation, which can be "01" to "65", with interval of 1.*
The 3rd "" denote the standard rated output voltage designation, which can be "05" to "54" or "5.0" to "54.0" in 0.1V increments.*
The 4th "" =-T2 means desktop class II with C8 AC inlet*
=-T2A means desktop class II with C18 AC inlet
=-T3 means desktop class I or class II with functional earth with C14 AC inlet
=-T3A means desktop class I or class II with functional earth with C6 AC inlet
=-T2L means desktop class II with C8 AC inlet and housing with a DC jack
=-T2AL means desktop class II with C18 AC inlet and housing with a DC jack
=-T3L means desktop class I or class II with functional earth with C14 AC inlet and housing with a DC jack
=-T3AL means desktop class I or class II with functional earth with C6 AC inlet and housing with a DC jack
=-R2 means hybrid desktop housing class II with C8 AC inlet
=-R3A means hybrid desktop housing class I or class II with functional earth with C6 AC inlet
=-P2 means Encapsulated class II
=-P3 means Encapsulated class I or class II with functional earth
=-TP means desktop class II with power supply cord with plug
=-TP3 means desktop class I or class II with functional earth with power supply cord with plug
=-TW means desktop class II with input wire without plug
=-TW3 means desktop class I or class II with functional earth with input wire without plug
The last "" denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.*

Technical Characteristics of EUT	
Rated Voltage:	AC 100-240V, 50-60Hz or 50/60Hz
Rated Current:	/
Rated Power:	/
Power Adaptor Model:	/
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B

1.2 Test Standards

The tests were performed according to following standards:

IEC 60601-1-2:2014+AMD1:2020: Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests.

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 IEC 60601-1-2 for Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard:Electromagnetic compatibility – Requirements and tests.

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: GTM96600-6030-R3A-CF(30V/2.0A)	AC 230V/50Hz
TM2	Working mode	Model: GTM96600-3005-R3A(5V/6A)	AC 230V/50Hz
TM3	Working mode	Model: GTM96600-6512-T3A(12V/5.41A)	AC 230V/50Hz
TM4	Working mode	Model: GTM96600-6054-R2(54V/1.11A)	AC 230V/50Hz
TM5	Working mode	Model: GTM96600-6030-R3A-CF(30V/2.0A)	AC 120V/60Hz
TM6	Working mode	Model: GTM96600-3005-R3A(5V/6A)	AC 120V/60Hz
TM7	Working mode	Model: GTM96600-6512-T3A(12V/5.41A)	AC 120V/60Hz
TM8	Working mode	Model: GTM96600-6054-R2(54V/1.11A)	AC 120V/60Hz

EUT Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Chip
Model:GTM96600-6030-R3A-CF(30V/2.0A) DC Cable	6.06	Unshielded	Without	Without
Model: GTM96600-3005-R3A (5V/6A) DC Cable	1.25	Unshielded	With	Without
Model:GTM96600-6512-T3A(12V/5.41A) DC Cable	1.25	Unshielded	With	Without
Model:GTM96600-6054-R2(54V/1.11A) DC Cable	1.52	Unshielded	With	Without

Special Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	With / Without Chip
AC Cable	1.0	Unshielded	Without	Without

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	2024-02-24	2025-02-23
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2023-03-20	2026-03-19
Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
Amplifier	HP	8447F	2805A03475	2024-02-24	2025-02-23
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	2024-02-27	2025-02-26
Horn Antenna	ETS	3117	00086197	2024-02-26	2025-02-25
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	2024-03-17	2027-03-16
Amplifier	Agilent	8447D	2944A10457	2024-02-24	2025-02-23
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2024-02-24	2025-02-23
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	2024-02-27	2025-02-26
Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2024-04-18	2027-04-17
Amplifier	HP	8447F	2944A03869	2024-02-24	2025-02-23
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	2024-02-27	2025-02-26
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	2024-02-24	2025-02-23
AC LISN	Schwarz beck	NSLK8126	8126-279	2024-02-24	2025-02-23
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	2024-02-24	2025-02-23
LISN	Rohde & Schwarz	ENV 216	100097	2024-02-24	2025-02-23
EMI Test Software (Conducted Emission Room 2#)	SKET	EMC-I	1.3.0.2	/	/
☒Harmonics &Flicker					
Digital Power Analyzer	California Instrument	CTS	72831	2024-02-24	2025-02-23
Power Source	California Instrument	5001IX-CTS-400	60077	2024-02-24	2025-02-23
Test Software (Harmonics &Flicker)	AMETEK	CTS4	4.30	/	/
☒Electrostatic discharges					
ESD Generator	LIONCEL	ESD-203B	0170901	2024-02-26	2025-02-25
☒Power-frequency magnetic field (PFMF)					
PMF Generator	LIONCEL	PMF-801C-C	0171101	2024-02-24	2025-02-23
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2024-02-24	2025-02-23
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2024-02-24	2025-02-23
☒Electronic fast transient(EFT)/Surges/Dips					
Transient 2000	EMC PARTNER	TRA2000	836	2024-03-19	2025-03-18
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2024-03-19	2025-03-18
☒Radio frequency, continuous conducted (C/S)					
CONDUCTED IMMUNITY TEST SYSTEM	FRANKONIA	CIT-10/75	126B1247/2013	2024-02-27	2025-02-26
Attenuator	EMTEST	MA-5100/6BF2	1009	2024-02-27	2025-02-26
CDN	Luthi	L-801M2/M3	2665	2024-02-27	2025-02-26
CDN	LIONCEL	CDN-T8	0210401	2024-02-24	2025-02-23
EM Clamp	TESEQ	KEMZ801A	45028	2024-02-26	2025-02-25
Test Software (Radio frequency, Continuous conducted)	SKET	EMC-S	V1.4.0.16	/	/
☒Radio frequency electromagnetic Field (R/S)					

Signal Generator	HP	8665B	3438A00604	2024-02-27	2025-02-26
Power Sensor	Agilent	E9301A	MY52450001	2024-02-27	2025-02-26
Power Sensor	Agilent	E9304A	MY55081055	2024-02-27	2025-02-26
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2024-02-27	2025-02-26
RF Power Amplifier	MicoTop	MPA-1000-6000-100	MPA1906238	2024-02-27	2025-02-26
Antenna	SCHWARZBECK	STLP 9129	9129 114	/	/
Power Meter	Agilent	E4419B	GB42420578	2024-02-27	2025-02-26
Test Software (Radio frequency electromagnetic Field)	EMtrace	EM3	V1.2.6.2	/	/

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
IEC 60601-1-2	Conducted Disturbance CISPR 11 Class B	Compliant
	Radiated Disturbance CISPR 11 Class B	Compliant
	Harmonic Current Emission IEC 61000-3-2	Compliant
	Voltage Fluctuation and Flicker IEC 61000-3-3	Compliant
	Electrostatic Discharge Immunity in accordance with IEC 61000-4-2	Compliant
	Continuous Radiated Disturbances Immunity in accordance with IEC 61000-4-3	Compliant
	Electrical Fast Transient/Burst Immunity in accordance With IEC 61000-4-4	Compliant
	Surges Immunity in accordance with IEC 61000-4-5	Compliant
	Continuous Conducted Disturbances Immunity in accordance with IEC 61000-4-6	Compliant
	Power-frequency Magnetic Fields Immunity in accordance with IEC 61000-4-8	Compliant
	Voltage Dips/Interruptions Immunity in accordance with IEC 61000-4-11	Compliant

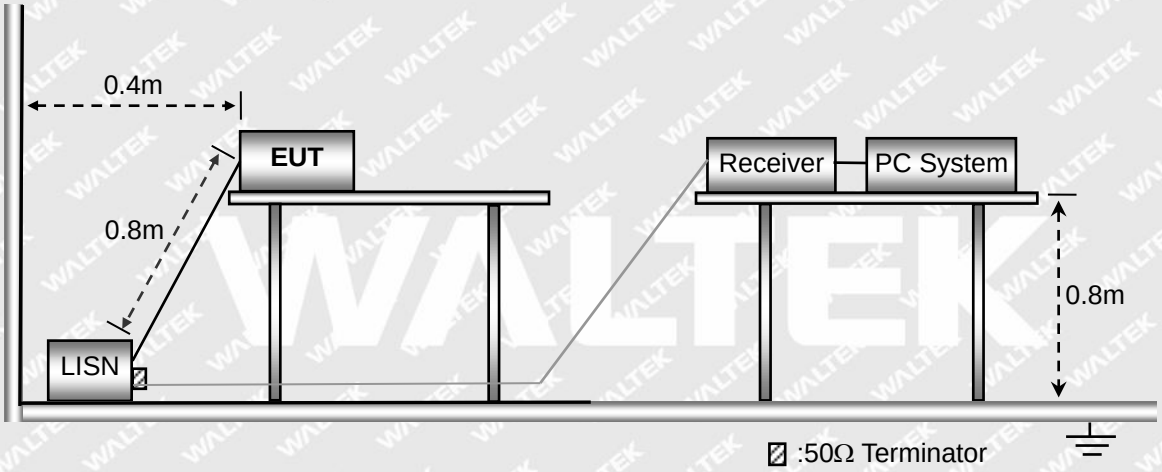
3. Conducted Emission

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



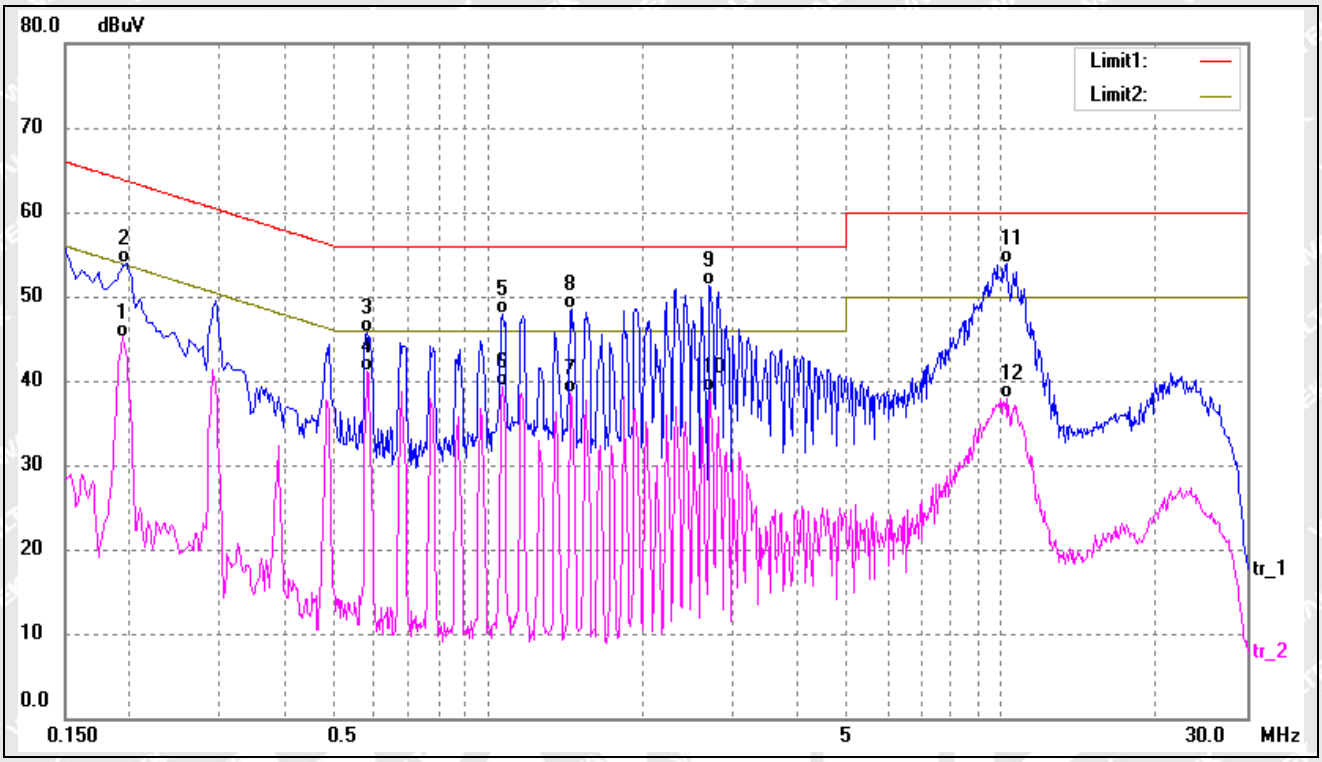
3.3 Environmental Conditions

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

3.4 Summary of Test Results

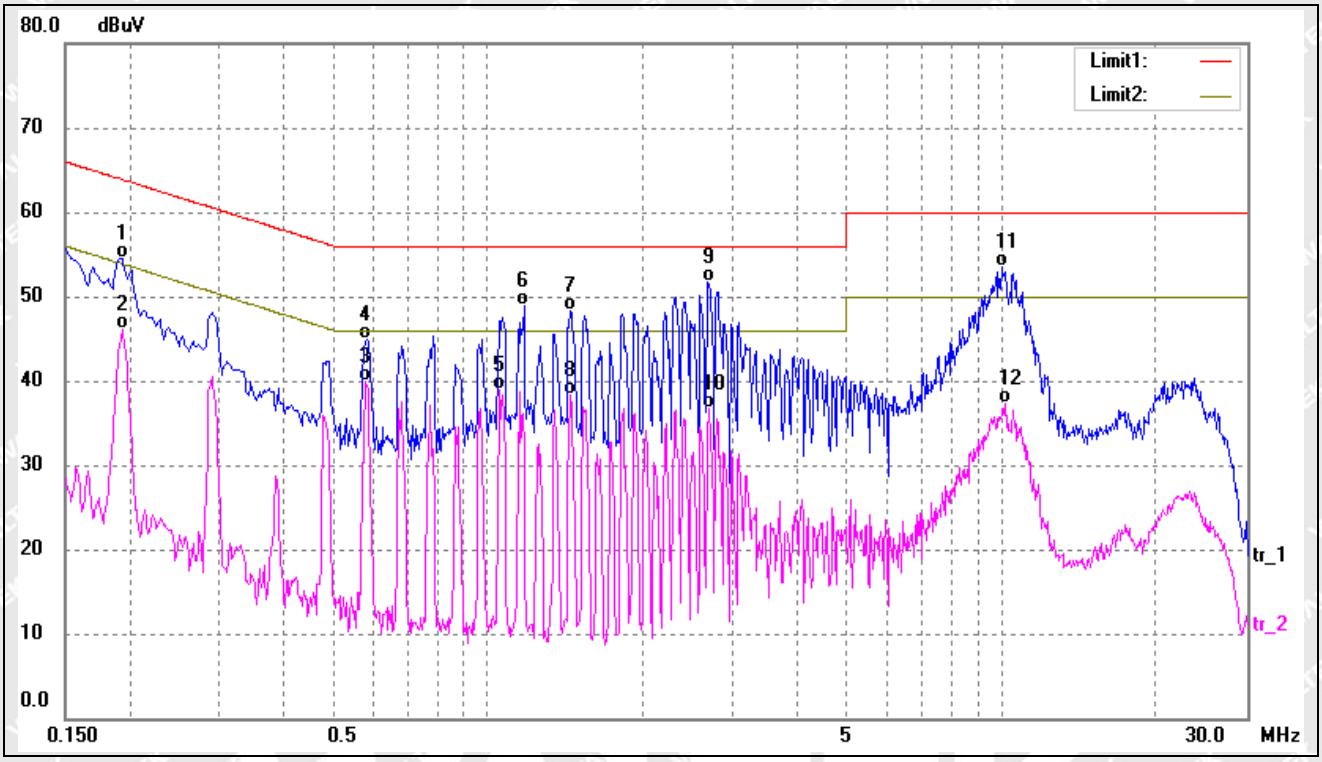
Please find the results below:

Test mode:	TM1	Polarity:	Line



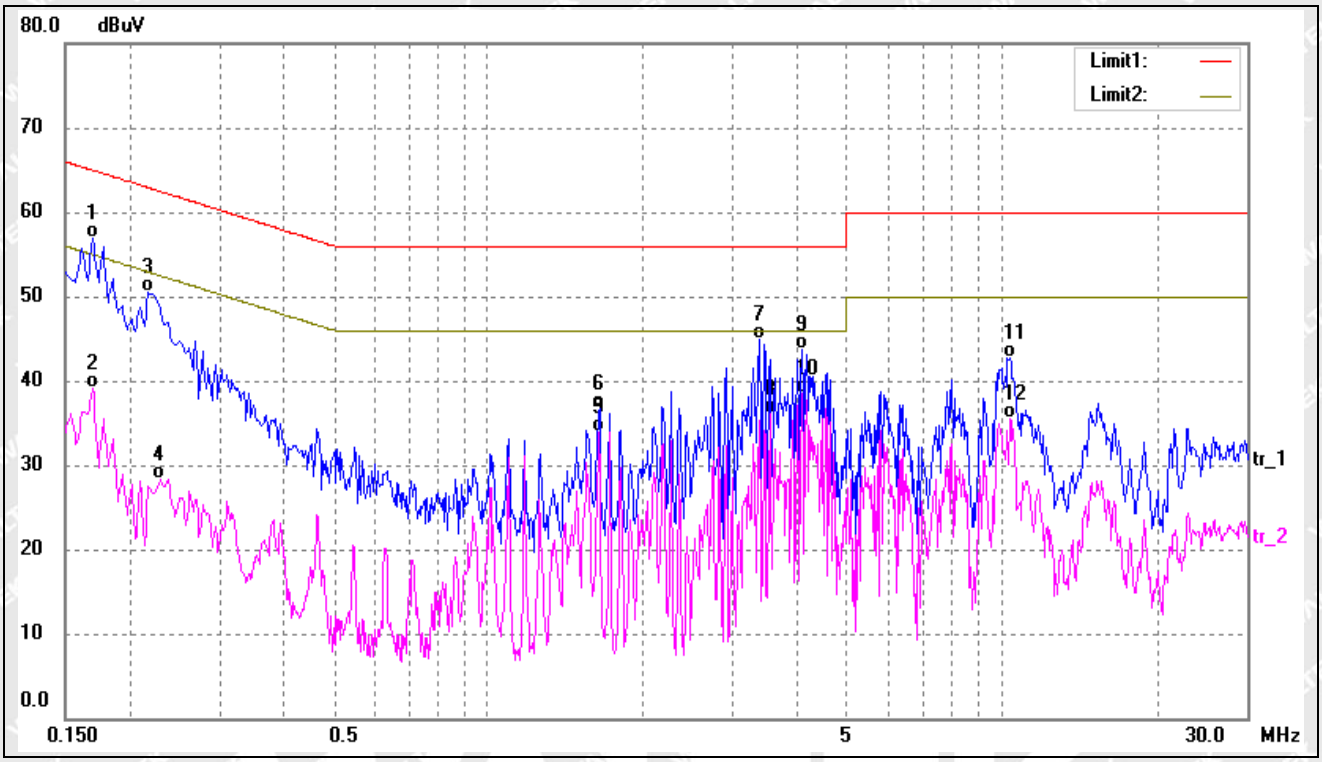
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1940	34.81	10.39	45.20	53.86	-8.66	AVG
2	0.1980	43.60	10.39	53.99	63.69	-9.70	QP
3	0.5820	35.40	10.22	45.62	56.00	-10.38	QP
4	0.5820	30.81	10.22	41.03	46.00	-4.97	AVG
5	1.0660	37.82	10.13	47.95	56.00	-8.05	QP
6	1.0660	29.12	10.13	39.25	46.00	-6.75	AVG
7	1.4460	28.36	10.06	38.42	46.00	-7.58	AVG
8	1.4540	38.42	10.06	48.48	56.00	-7.52	QP
9*	2.7020	41.33	10.06	51.39	56.00	-4.61	QP
10	2.7100	28.56	10.07	38.63	46.00	-7.37	AVG
11	10.2020	43.52	10.38	53.90	60.00	-6.10	QP
12	10.2020	27.52	10.38	37.90	50.00	-12.10	AVG

Test mode:	TM1	Polarity:	Neutral



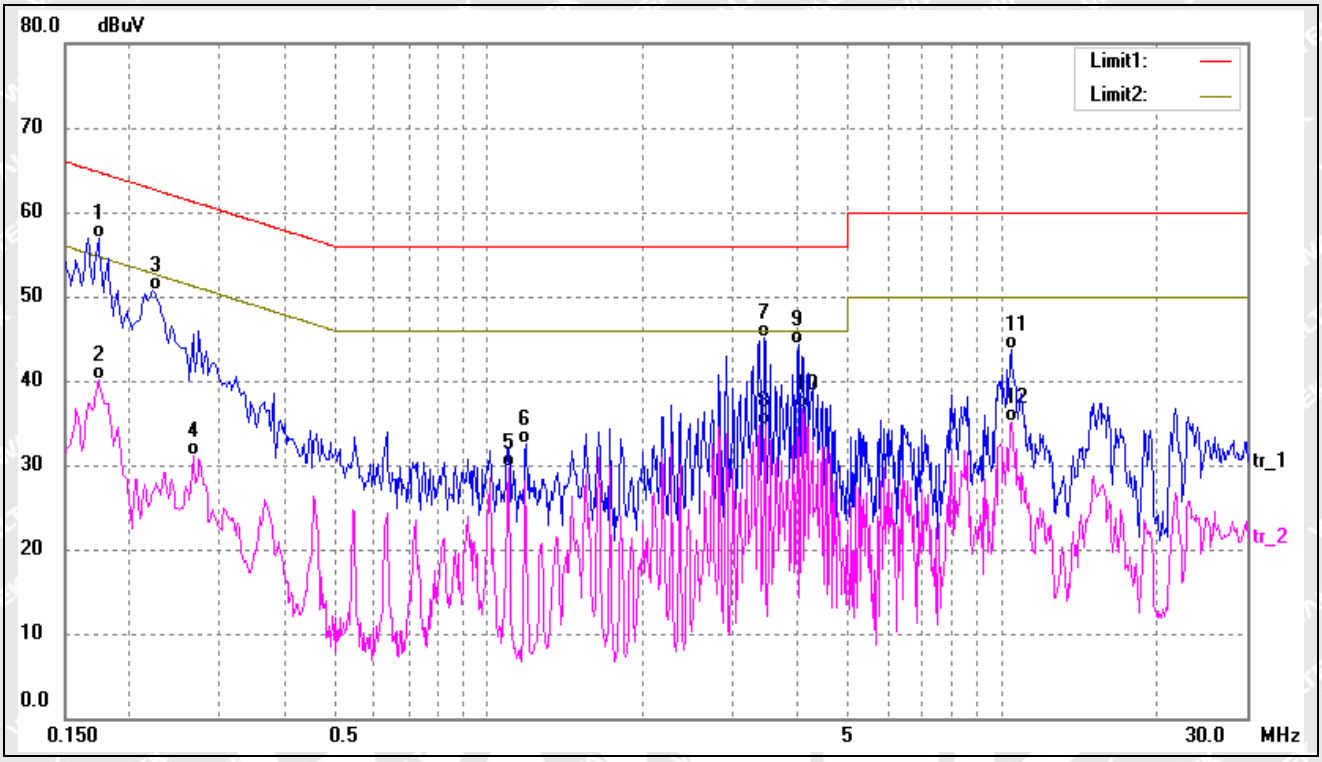
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1940	44.06	10.39	54.45	63.86	-9.41	QP
2	0.1940	35.67	10.39	46.06	53.86	-7.80	AVG
3	0.5780	29.64	10.22	39.86	46.00	-6.14	AVG
4	0.5820	34.60	10.22	44.82	56.00	-11.18	QP
5	1.0540	28.87	10.13	39.00	46.00	-7.00	AVG
6	1.1740	38.83	10.11	48.94	56.00	-7.06	QP
7	1.4420	38.15	10.07	48.22	56.00	-7.78	QP
8	1.4420	28.30	10.07	38.37	46.00	-7.63	AVG
9*	2.6780	41.57	10.06	51.63	56.00	-4.37	QP
10	2.6980	26.58	10.06	36.64	46.00	-9.36	AVG
11	9.9780	43.21	10.38	53.59	60.00	-6.41	QP
12	10.1540	26.98	10.38	37.36	50.00	-12.64	AVG

Test mode:	TM2	Polarity:	Line



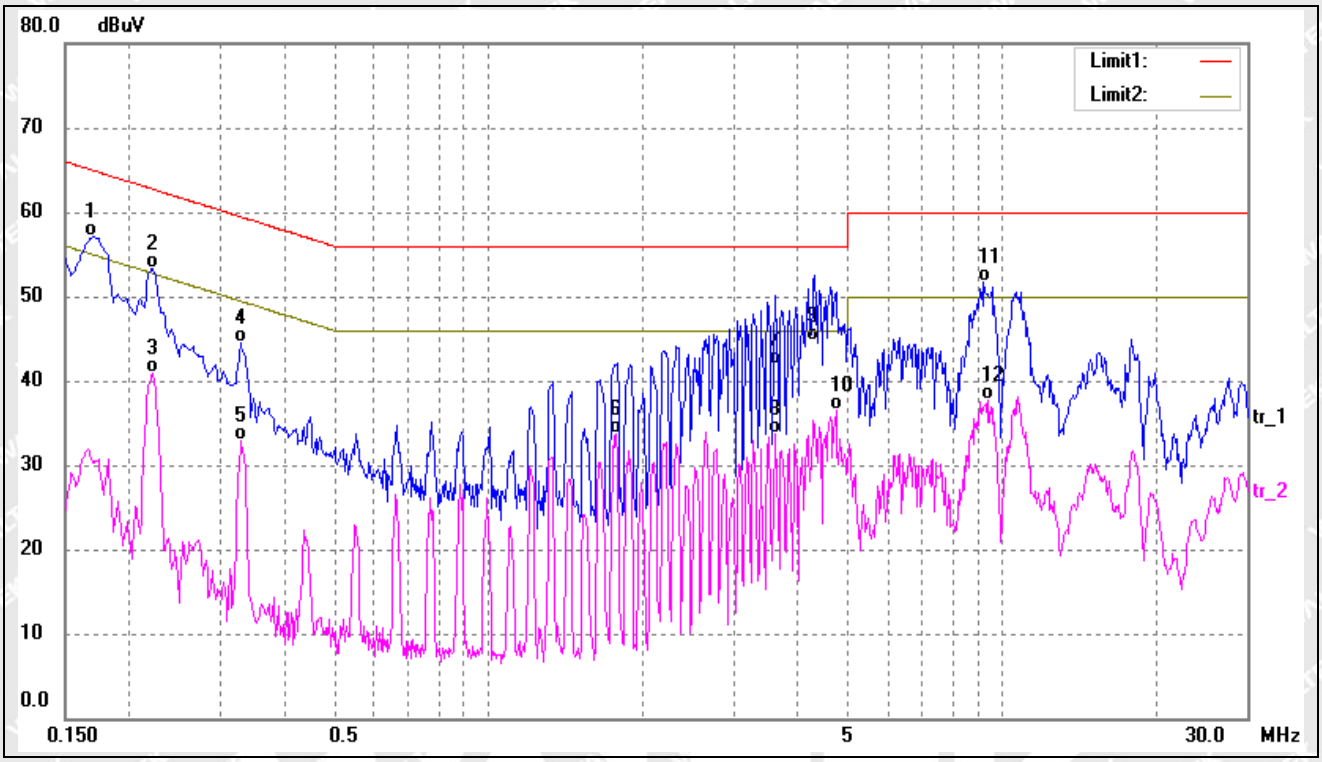
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1700	46.59	10.40	56.99	64.96	-7.97	QP
2	0.1700	28.76	10.40	39.16	54.96	-15.80	AVG
3	0.2180	40.06	10.37	50.43	62.89	-12.46	QP
4	0.2300	17.99	10.36	28.35	52.45	-24.10	AVG
5	1.6420	23.89	10.03	33.92	46.00	-12.08	AVG
6	1.6460	26.62	10.03	36.65	56.00	-19.35	QP
7	3.3660	34.78	10.15	44.93	56.00	-11.07	QP
8	3.5340	25.90	10.18	36.08	46.00	-9.92	AVG
9	4.0820	33.37	10.25	43.62	56.00	-12.38	QP
10*	4.0820	28.20	10.25	38.45	46.00	-7.55	AVG
11	10.2700	32.42	10.37	42.79	60.00	-17.21	QP
12	10.3540	25.08	10.37	35.45	50.00	-14.55	AVG

Test mode:	TM2	Polarity:	Neutral



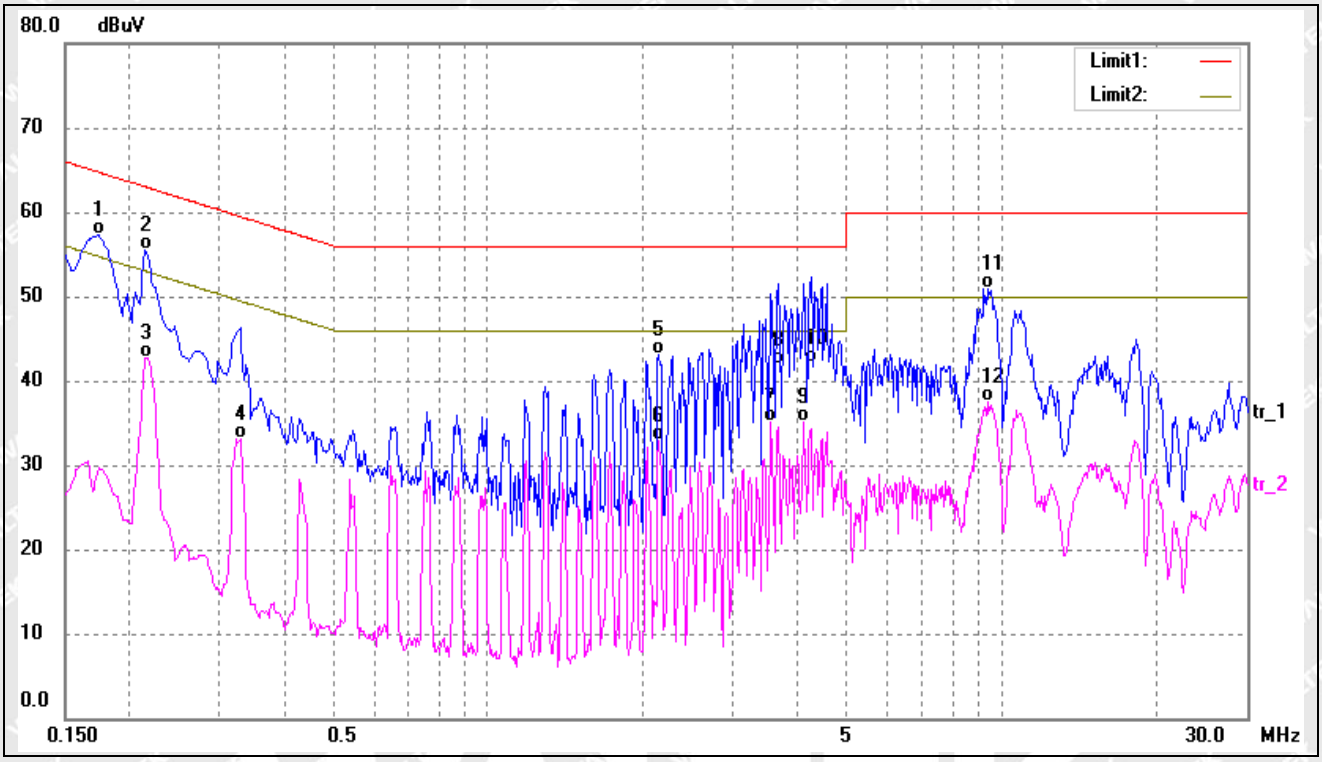
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	46.54	10.39	56.93	64.76	-7.83	QP
2	0.1740	29.78	10.39	40.17	54.76	-14.59	AVG
3	0.2220	40.28	10.37	50.65	62.74	-12.09	QP
4	0.2660	20.75	10.33	31.08	51.24	-20.16	AVG
5	1.0940	19.65	10.13	29.78	46.00	-16.22	AVG
6	1.1860	22.36	10.11	32.47	56.00	-23.53	QP
7	3.4500	34.97	10.16	45.13	56.00	-10.87	QP
8	3.4580	24.52	10.16	34.68	46.00	-11.32	AVG
9	4.0100	34.00	10.24	44.24	56.00	-11.76	QP
10	4.0900	26.42	10.25	36.67	46.00	-9.33	AVG
11	10.4500	33.41	10.36	43.77	60.00	-16.23	QP
12	10.4500	24.78	10.36	35.14	50.00	-14.86	AVG

Test mode:	TM3	Polarity:	Line



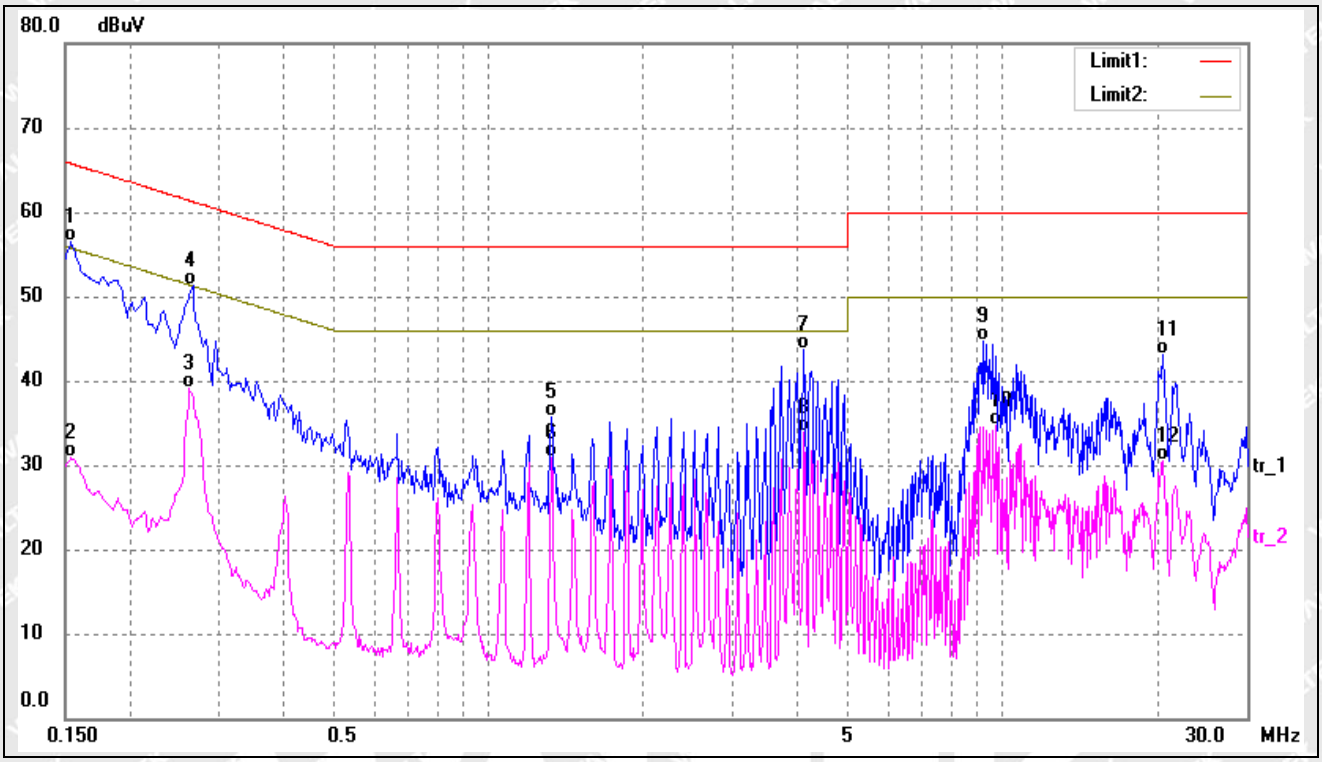
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1700	46.68	10.40	57.08	64.96	-7.88	QP
2	0.2220	43.03	10.37	53.40	62.74	-9.34	QP
3	0.2220	30.51	10.37	40.88	52.74	-11.86	AVG
4	0.3300	34.15	10.29	44.44	59.45	-15.01	QP
5	0.3300	22.56	10.29	32.85	49.45	-16.60	AVG
6	1.7780	23.71	10.01	33.72	46.00	-12.28	AVG
7	3.6140	31.63	10.19	41.82	56.00	-14.18	QP
8	3.6260	23.55	10.20	33.75	46.00	-12.25	AVG
9	4.3179	34.41	10.29	44.70	56.00	-11.30	QP
10	4.7500	26.18	10.35	36.53	46.00	-9.47	AVG
11	9.2140	41.30	10.38	51.68	60.00	-8.32	QP
12	9.4300	27.33	10.38	37.71	50.00	-12.29	AVG

Test mode:	TM3	Polarity:	Neutral



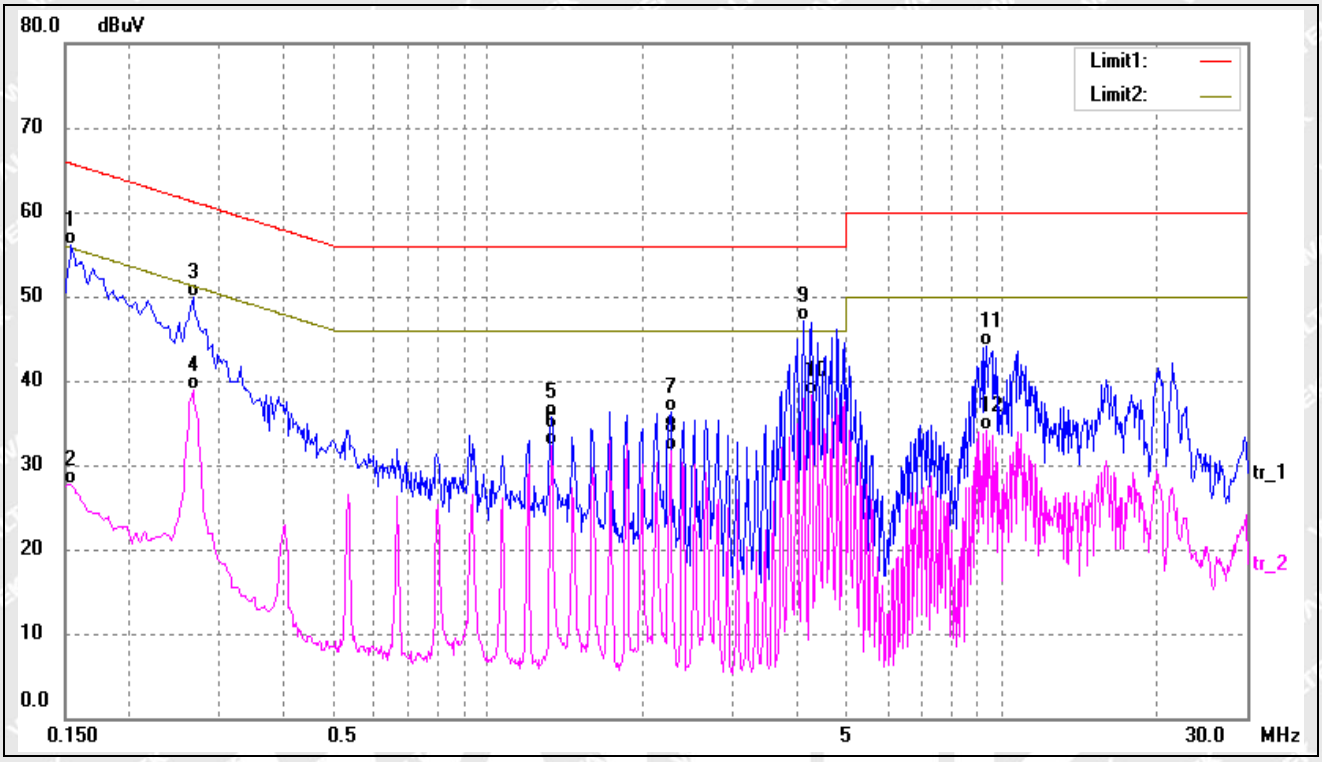
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1740	46.88	10.39	57.27	64.76	-7.49	QP
2*	0.2140	45.20	10.38	55.58	63.04	-7.46	QP
3	0.2180	32.32	10.37	42.69	52.89	-10.20	AVG
4	0.3300	22.85	10.29	33.14	49.45	-16.31	AVG
5	2.1540	33.13	9.99	43.12	56.00	-12.88	QP
6	2.1540	22.84	9.99	32.83	46.00	-13.17	AVG
7	3.5540	24.91	10.19	35.10	46.00	-10.90	AVG
8	3.6620	31.65	10.20	41.85	56.00	-14.15	QP
9	4.1100	24.84	10.26	35.10	46.00	-10.90	AVG
10	4.2499	31.82	10.28	42.10	56.00	-13.90	QP
11	9.3660	40.51	10.38	50.89	60.00	-9.11	QP
12	9.3660	27.03	10.38	37.41	50.00	-12.59	AVG

Test mode:	TM4	Polarity:	Line



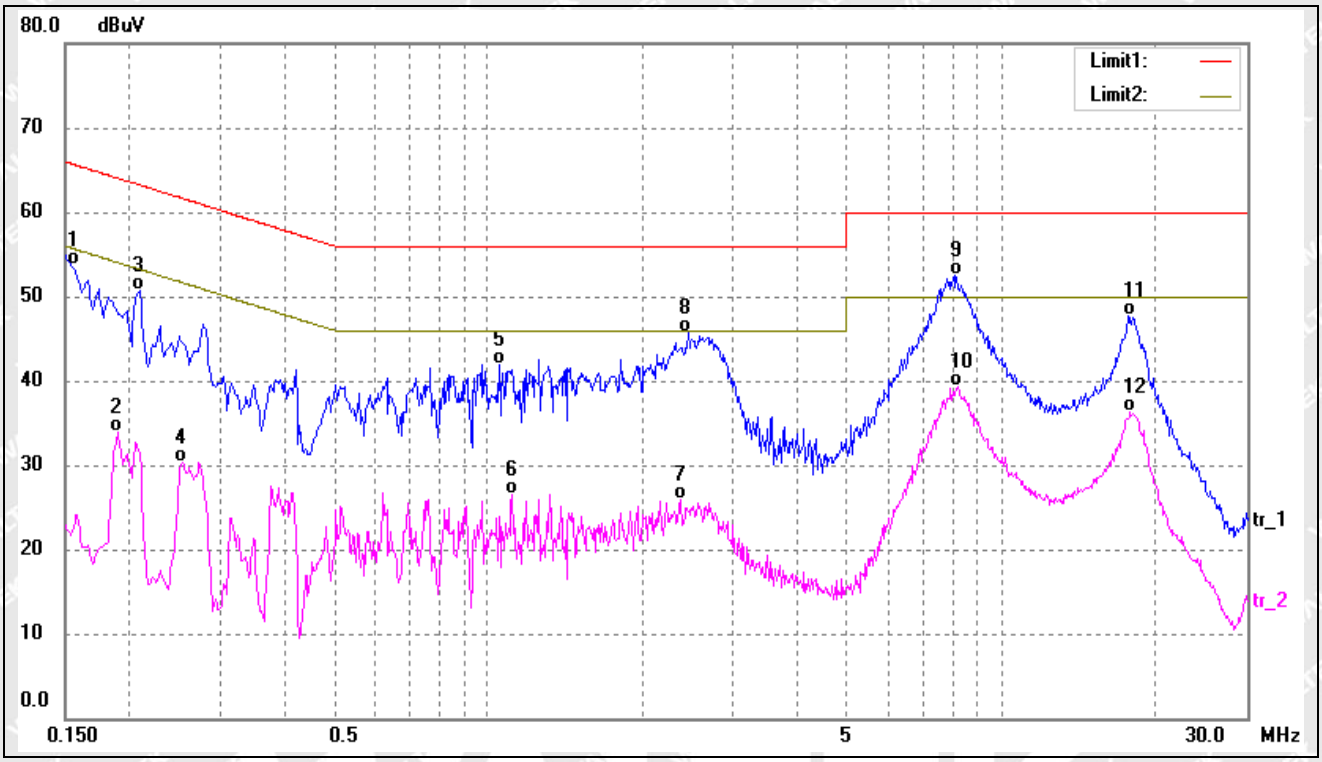
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1539	46.13	10.41	56.54	65.78	-9.24	QP
2	0.1539	20.48	10.41	30.89	55.78	-24.89	AVG
3	0.2620	28.68	10.34	39.02	51.36	-12.34	AVG
4	0.2660	40.97	10.33	51.30	61.24	-9.94	QP
5	1.3300	25.61	10.08	35.69	56.00	-20.31	QP
6	1.3300	20.81	10.08	30.89	46.00	-15.11	AVG
7	4.1300	33.39	10.27	43.66	56.00	-12.34	QP
8	4.1300	23.73	10.27	34.00	46.00	-12.00	AVG
9	9.1980	34.34	10.38	44.72	60.00	-15.28	QP
10	9.7299	24.33	10.38	34.71	50.00	-15.29	AVG
11	20.5260	32.82	10.37	43.19	60.00	-16.81	QP
12	20.5260	20.08	10.37	30.45	50.00	-19.55	AVG

Test mode:	TM4	Polarity:	Neutral



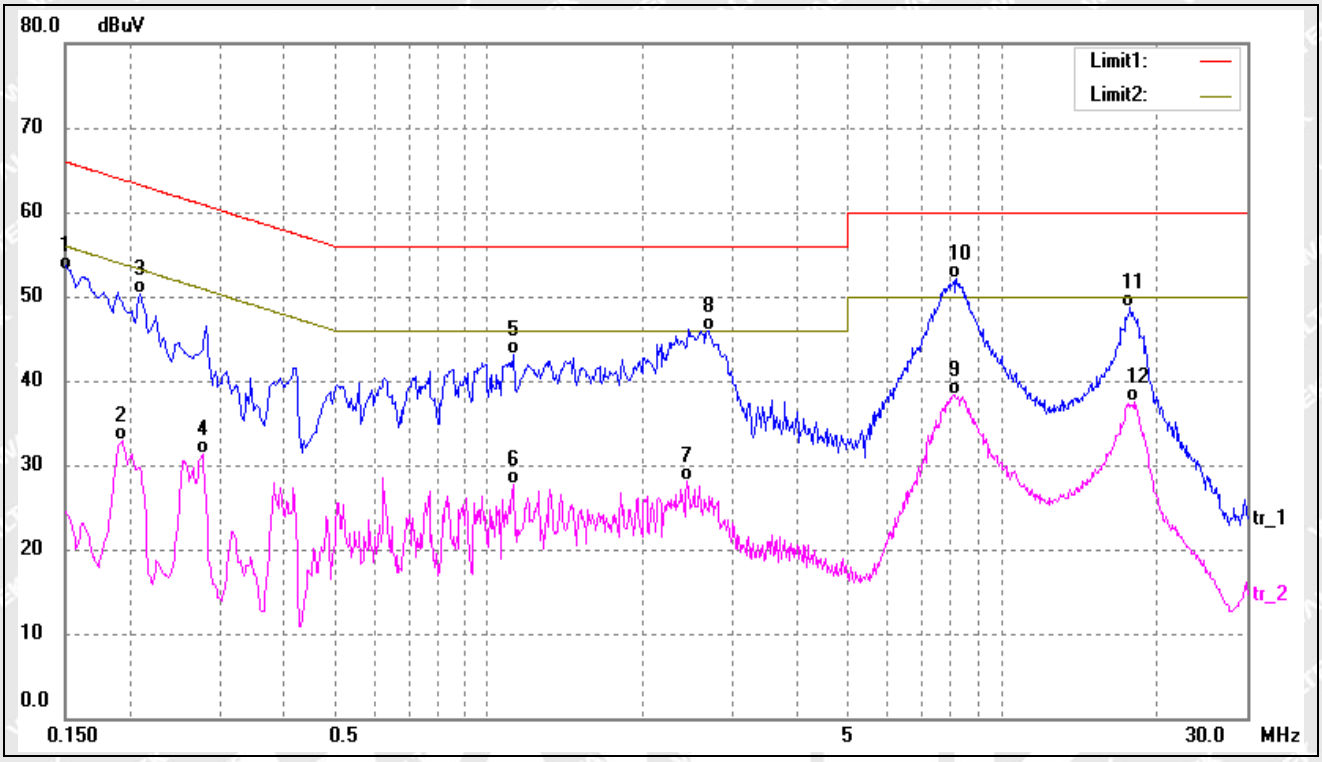
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	45.71	10.41	56.12	65.78	-9.66	QP
2	0.1539	17.36	10.41	27.77	55.78	-28.01	AVG
3	0.2660	39.66	10.33	49.99	61.24	-11.25	QP
4	0.2660	28.52	10.33	38.85	51.24	-12.39	AVG
5	1.3300	25.69	10.08	35.77	56.00	-20.23	QP
6	1.3300	22.15	10.08	32.23	46.00	-13.77	AVG
7	2.2620	26.38	10.00	36.38	56.00	-19.62	QP
8	2.2620	21.71	10.00	31.71	46.00	-14.29	AVG
9	4.1260	36.88	10.27	47.15	56.00	-8.85	QP
10*	4.2619	28.08	10.28	38.36	46.00	-7.64	AVG
11	9.3180	33.65	10.38	44.03	60.00	-15.97	QP
12	9.3180	23.77	10.38	34.15	50.00	-15.85	AVG

Test mode:	TM5	Polarity:	Line



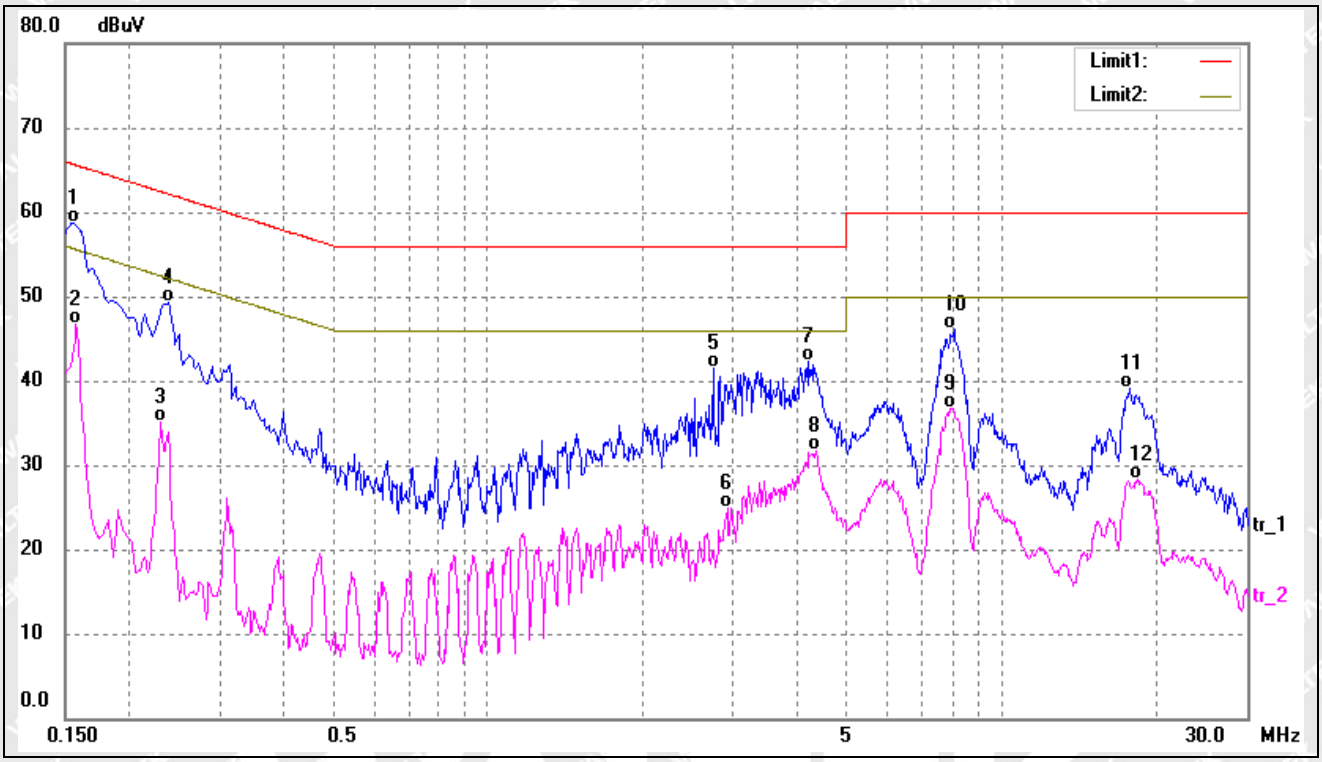
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	43.20	10.41	53.61	65.78	-12.17	QP
2	0.1900	23.53	10.39	33.92	54.03	-20.11	AVG
3	0.2100	40.27	10.38	50.65	63.20	-12.55	QP
4	0.2540	20.02	10.34	30.36	51.62	-21.26	AVG
5	1.0500	31.78	10.13	41.91	56.00	-14.09	QP
6	1.1140	16.37	10.12	26.49	46.00	-19.51	AVG
7	2.3660	15.87	10.02	25.89	46.00	-20.11	AVG
8	2.4539	35.62	10.03	45.65	56.00	-10.35	QP
9*	8.1020	42.07	10.38	52.45	60.00	-7.55	QP
10	8.1980	28.97	10.38	39.35	50.00	-10.65	AVG
11	17.6220	37.48	10.30	47.78	60.00	-12.22	QP
12	17.8140	25.98	10.31	36.29	50.00	-13.71	AVG

Test mode:	TM5	Polarity:	Neutral



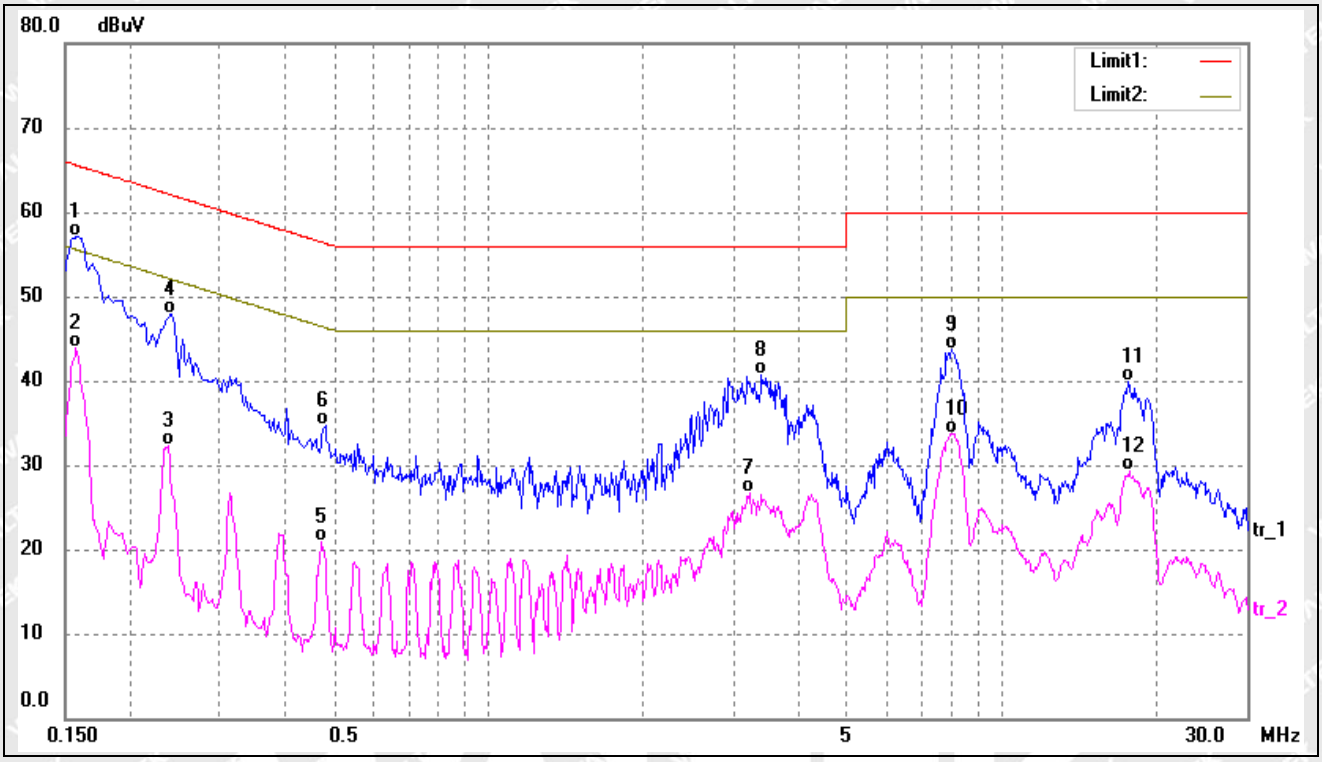
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1524	42.79	10.41	53.20	65.86	-12.66	QP
2	0.1940	22.56	10.39	32.95	53.86	-20.91	AVG
3	0.2100	40.00	10.38	50.38	63.20	-12.82	QP
4	0.2779	20.98	10.31	31.29	50.88	-19.59	AVG
5	1.1180	33.00	10.12	43.12	56.00	-12.88	QP
6	1.1180	17.61	10.12	27.73	46.00	-18.27	AVG
7	2.4460	18.15	10.03	28.18	46.00	-17.82	AVG
8	2.6740	35.78	10.06	45.84	56.00	-10.16	QP
9	8.1220	27.98	10.38	38.36	50.00	-11.64	AVG
10*	8.1860	41.67	10.38	52.05	60.00	-7.95	QP
11	17.7979	38.44	10.31	48.75	60.00	-11.25	QP
12	18.0980	27.13	10.32	37.45	50.00	-12.55	AVG

Test mode:	TM6	Polarity:	Line



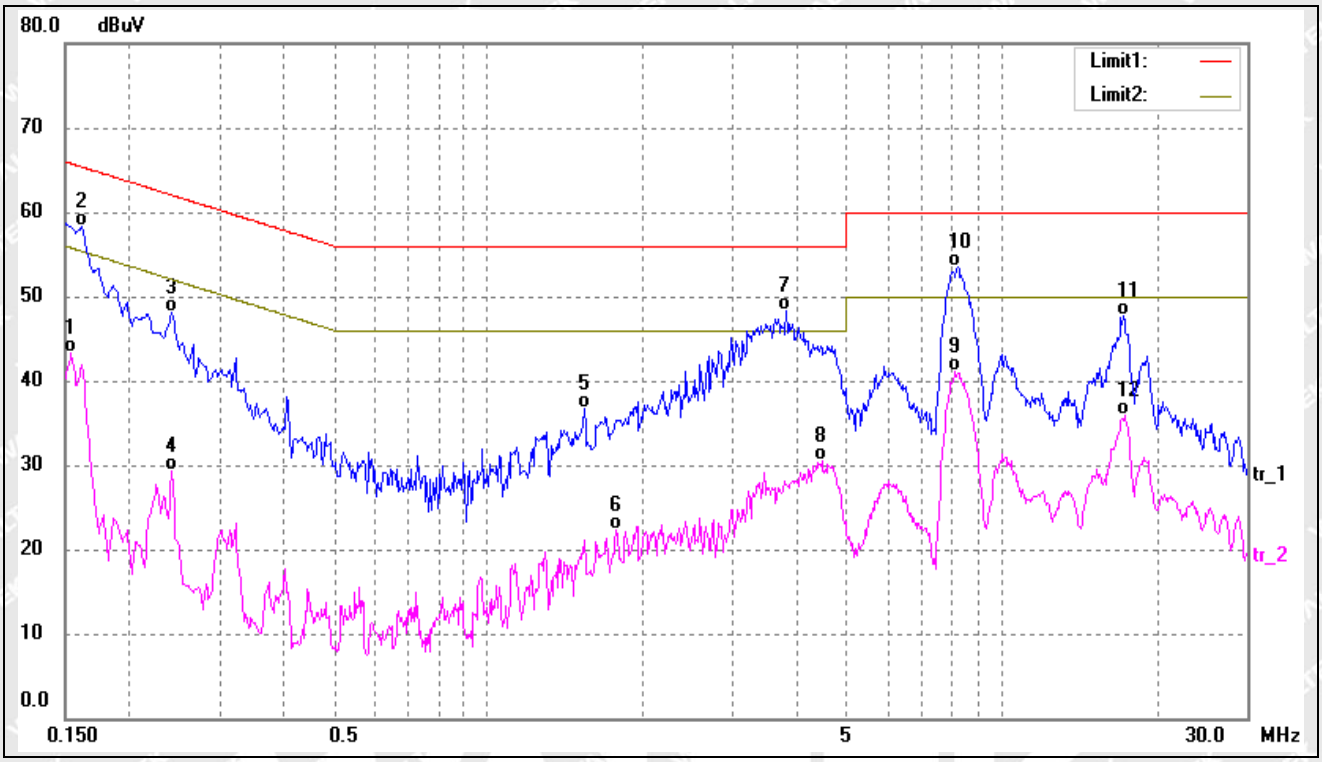
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1539	48.35	10.41	58.76	65.78	-7.02	QP
2	0.1580	36.25	10.40	46.65	55.56	-8.91	AVG
3	0.2300	24.78	10.36	35.14	52.45	-17.31	AVG
4	0.2380	38.88	10.35	49.23	62.16	-12.93	QP
5	2.7420	31.48	10.07	41.55	56.00	-14.45	QP
6	2.9300	14.78	10.10	24.88	46.00	-21.12	AVG
7	4.2220	31.93	10.28	42.21	56.00	-13.79	QP
8	4.3580	21.42	10.29	31.71	46.00	-14.29	AVG
9	7.9820	26.38	10.38	36.76	50.00	-13.24	AVG
10	8.0900	35.80	10.38	46.18	60.00	-13.82	QP
11	17.6980	28.89	10.30	39.19	60.00	-20.81	QP
12	18.4060	17.99	10.33	28.32	50.00	-21.68	AVG

Test mode:	TM6	Polarity:	Neutral



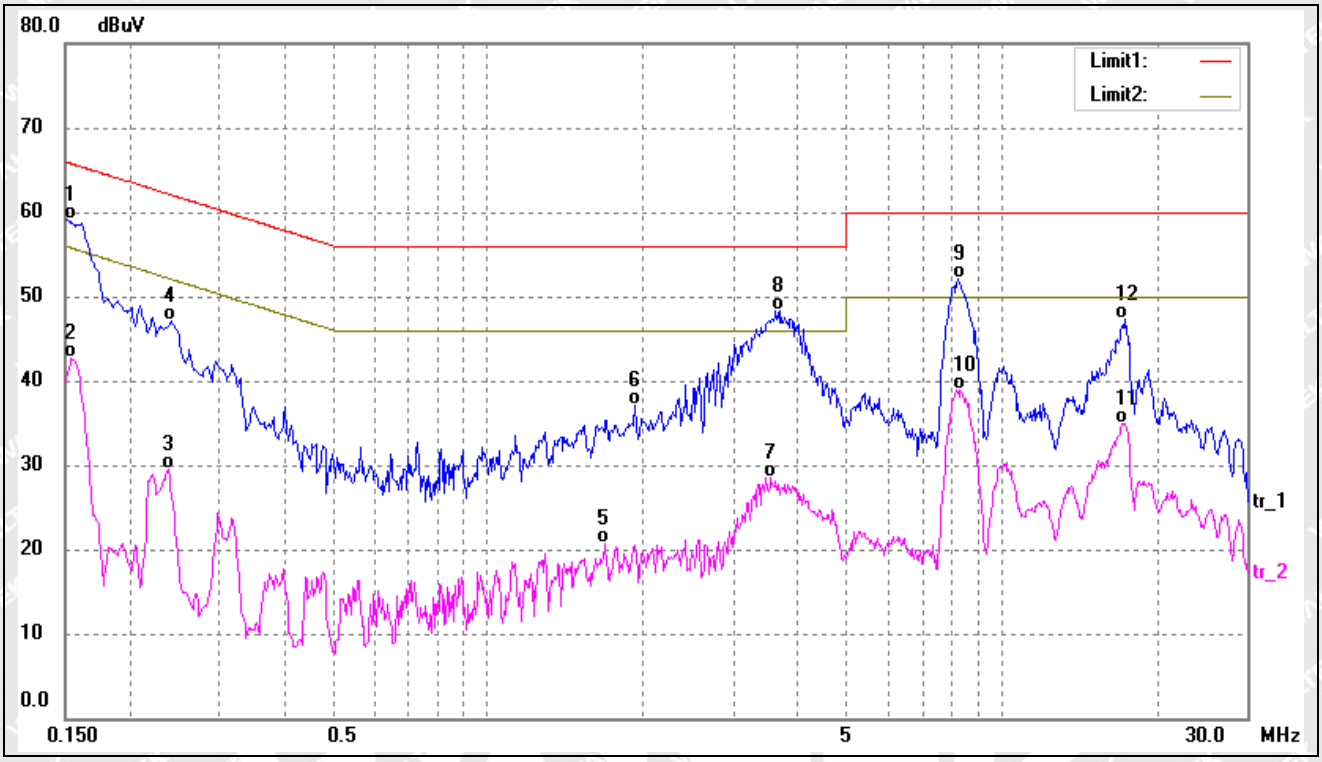
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1580	46.65	10.40	57.05	65.56	-8.51	QP
2	0.1580	33.44	10.40	43.84	55.56	-11.72	AVG
3	0.2380	21.93	10.35	32.28	52.16	-19.88	AVG
4	0.2420	37.56	10.35	47.91	62.02	-14.11	QP
5	0.4740	10.73	10.24	20.97	46.44	-25.47	AVG
6	0.4820	24.42	10.23	34.65	56.30	-21.65	QP
7	3.2340	16.54	10.14	26.68	46.00	-19.32	AVG
8	3.4020	30.57	10.16	40.73	56.00	-15.27	QP
9	8.0020	33.33	10.38	43.71	60.00	-16.29	QP
10	8.0620	23.40	10.38	33.78	50.00	-16.22	AVG
11	17.6500	29.66	10.30	39.96	60.00	-20.04	QP
12	17.7420	19.02	10.30	29.32	50.00	-20.68	AVG

Test mode:	TM7	Polarity:	Line



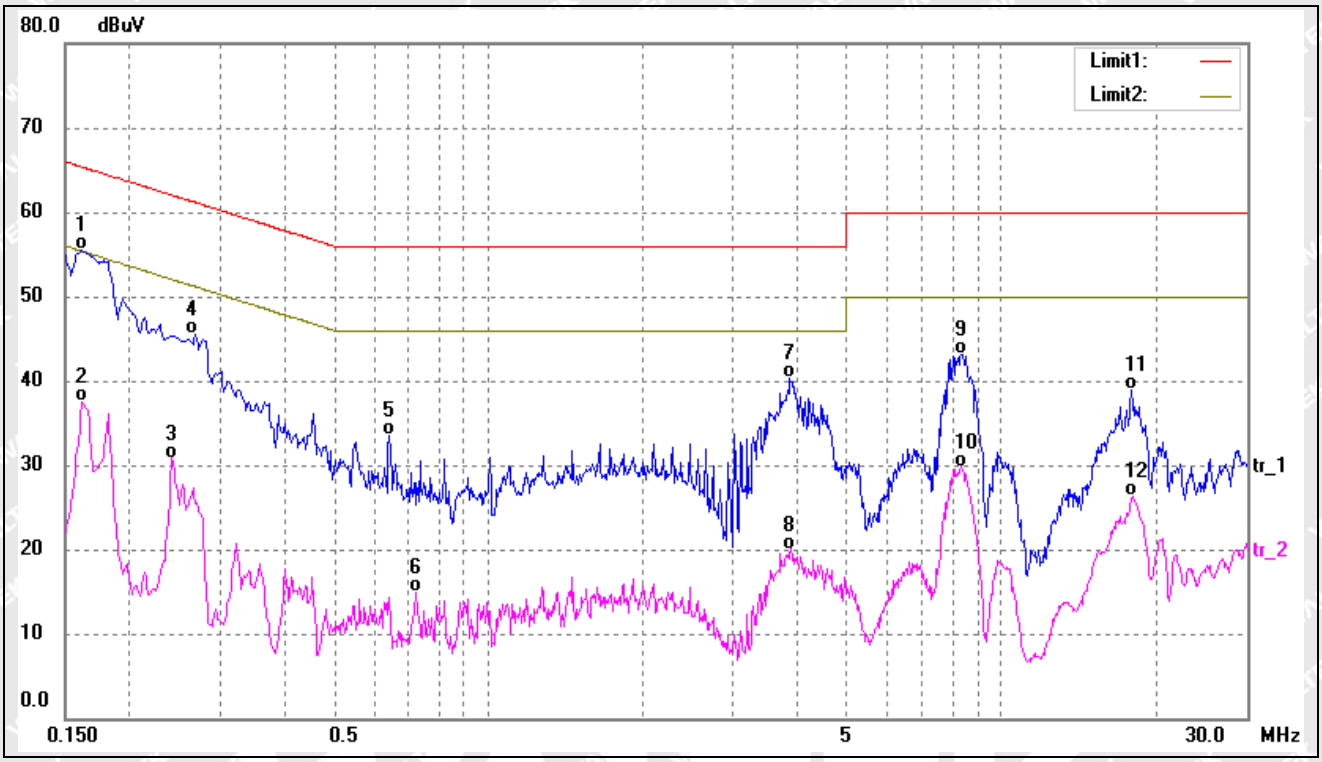
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1539	32.81	10.41	43.22	55.78	-12.56	AVG
2	0.1620	47.93	10.40	58.33	65.36	-7.03	QP
3	0.2420	37.66	10.35	48.01	62.02	-14.01	QP
4	0.2420	18.95	10.35	29.30	52.02	-22.72	AVG
5	1.5420	26.61	10.05	36.66	56.00	-19.34	QP
6	1.7780	12.32	10.01	22.33	46.00	-23.67	AVG
7	3.8060	37.99	10.22	48.21	56.00	-7.79	QP
8	4.4580	20.21	10.30	30.51	46.00	-15.49	AVG
9	8.1300	30.74	10.38	41.12	50.00	-8.88	AVG
10*	8.2060	43.05	10.38	53.43	60.00	-6.57	QP
11	17.2700	37.46	10.30	47.76	60.00	-12.24	QP
12	17.3660	25.63	10.30	35.93	50.00	-14.07	AVG

Test mode:	TM7	Polarity:	Neutral



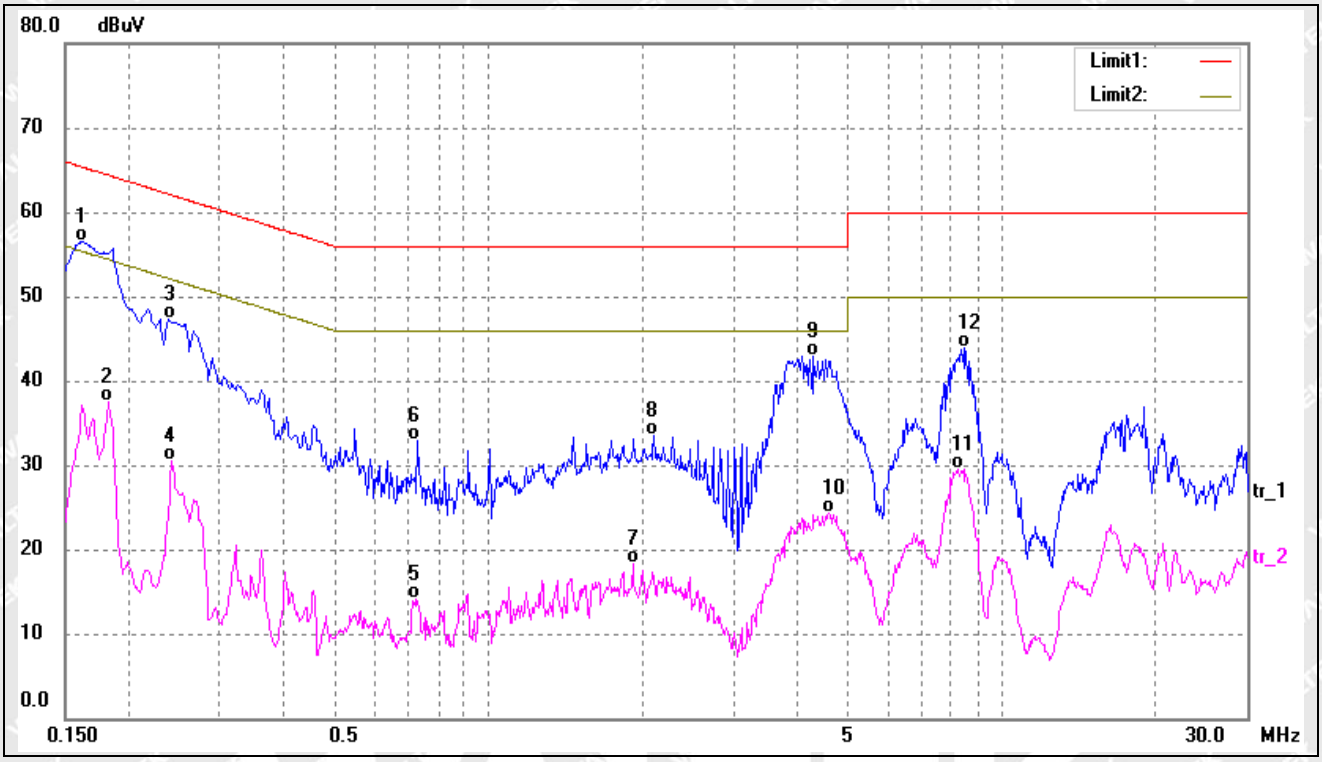
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1516	48.60	10.41	59.01	65.91	-6.90	QP
2	0.1516	32.26	10.41	42.67	55.91	-13.24	AVG
3	0.2380	19.10	10.35	29.45	52.16	-22.71	AVG
4	0.2420	36.66	10.35	47.01	62.02	-15.01	QP
5	1.6860	10.74	10.02	20.76	46.00	-25.24	AVG
6	1.9380	27.17	9.98	37.15	56.00	-18.85	QP
7	3.5580	18.33	10.19	28.52	46.00	-17.48	AVG
8	3.7180	38.03	10.21	48.24	56.00	-7.76	QP
9	8.2340	41.73	10.38	52.11	60.00	-7.89	QP
10	8.2860	28.57	10.38	38.95	50.00	-11.05	AVG
11	17.2460	24.68	10.29	34.97	50.00	-15.03	AVG
12	17.3100	37.05	10.30	47.35	60.00	-12.65	QP

Test mode:	TM8	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1620	45.07	10.40	55.47	65.36	-9.89	QP
2	0.1620	27.10	10.40	37.50	55.36	-17.86	AVG
3	0.2420	20.45	10.35	30.80	52.02	-21.22	AVG
4	0.2700	35.13	10.33	45.46	61.12	-15.66	QP
5	0.6419	23.22	10.20	33.42	56.00	-22.58	QP
6	0.7260	4.70	10.19	14.89	46.00	-31.11	AVG
7	3.8700	30.09	10.22	40.31	56.00	-15.69	QP
8	3.8940	9.77	10.23	20.00	46.00	-26.00	AVG
9	8.3580	32.75	10.38	43.13	60.00	-16.87	QP
10	8.3580	19.42	10.38	29.80	50.00	-20.20	AVG
11	17.8779	28.68	10.31	38.99	60.00	-21.01	QP
12	18.0260	15.96	10.32	26.28	50.00	-23.72	AVG

Test mode:	TM8	Polarity:	Neutral



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1*	0.1620	46.11	10.40	56.51	65.36	-8.85	QP
2	0.1819	27.16	10.39	37.55	54.39	-16.84	AVG
3	0.2380	36.98	10.35	47.33	62.16	-14.83	QP
4	0.2420	20.19	10.35	30.54	52.02	-21.48	AVG
5	0.7220	3.83	10.19	14.02	46.00	-31.98	AVG
6	0.7300	22.67	10.19	32.86	56.00	-23.14	QP
7	1.9180	8.37	9.98	18.35	46.00	-27.65	AVG
8	2.1020	23.59	9.98	33.57	56.00	-22.43	QP
9	4.3100	32.63	10.29	42.92	56.00	-13.08	QP
10	4.6220	14.03	10.32	24.35	46.00	-21.65	AVG
11	8.2060	19.14	10.38	29.52	50.00	-20.48	AVG
12	8.4260	33.58	10.38	43.96	60.00	-16.04	QP

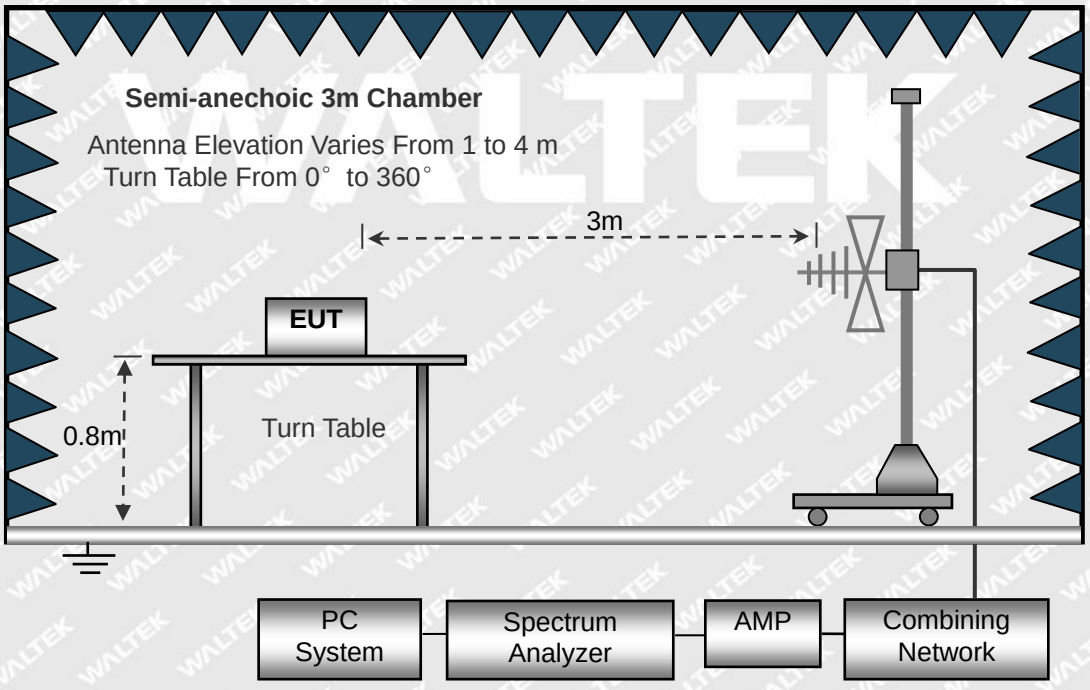
4. Radiated Emission

4.1 Measurement Uncertainty

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

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Radiated Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		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. – CISPR 11 Class B Limit

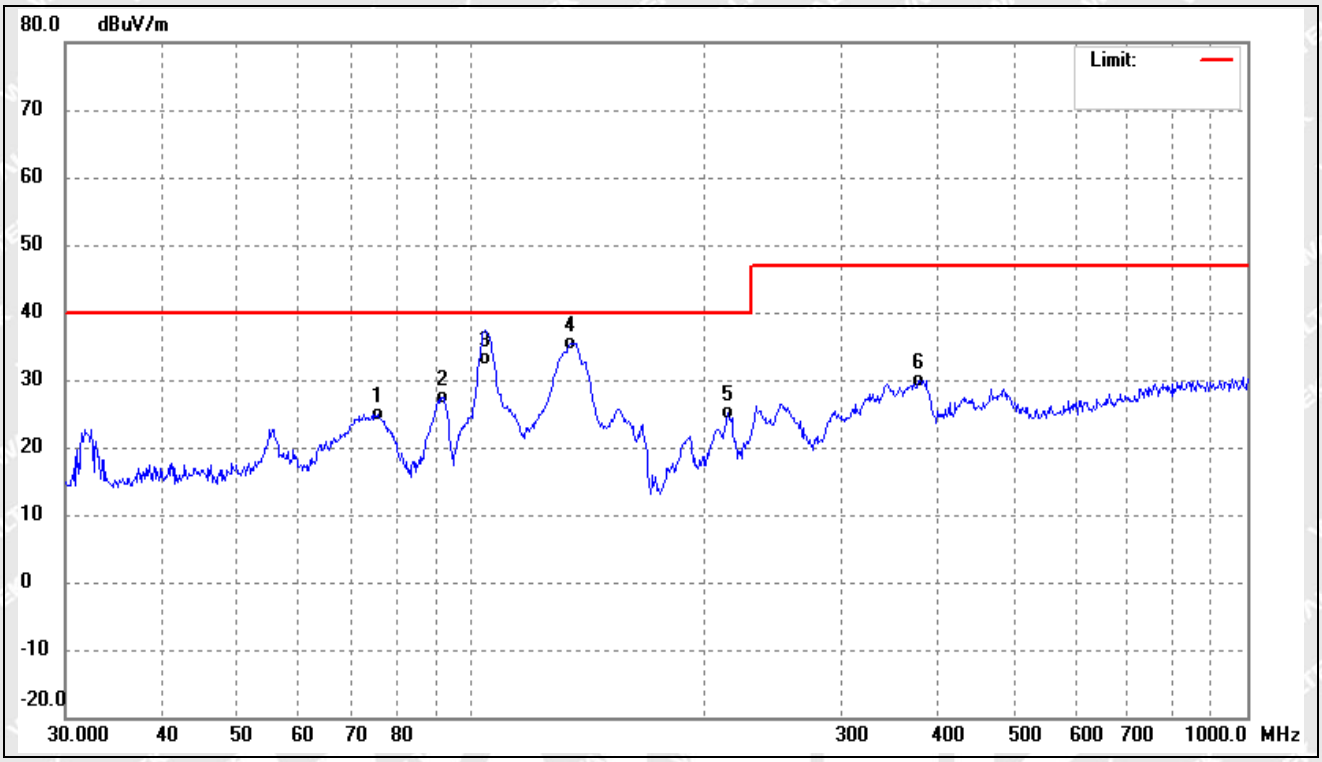
4.4 Environmental Conditions

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

4.5 Summary of Test Results

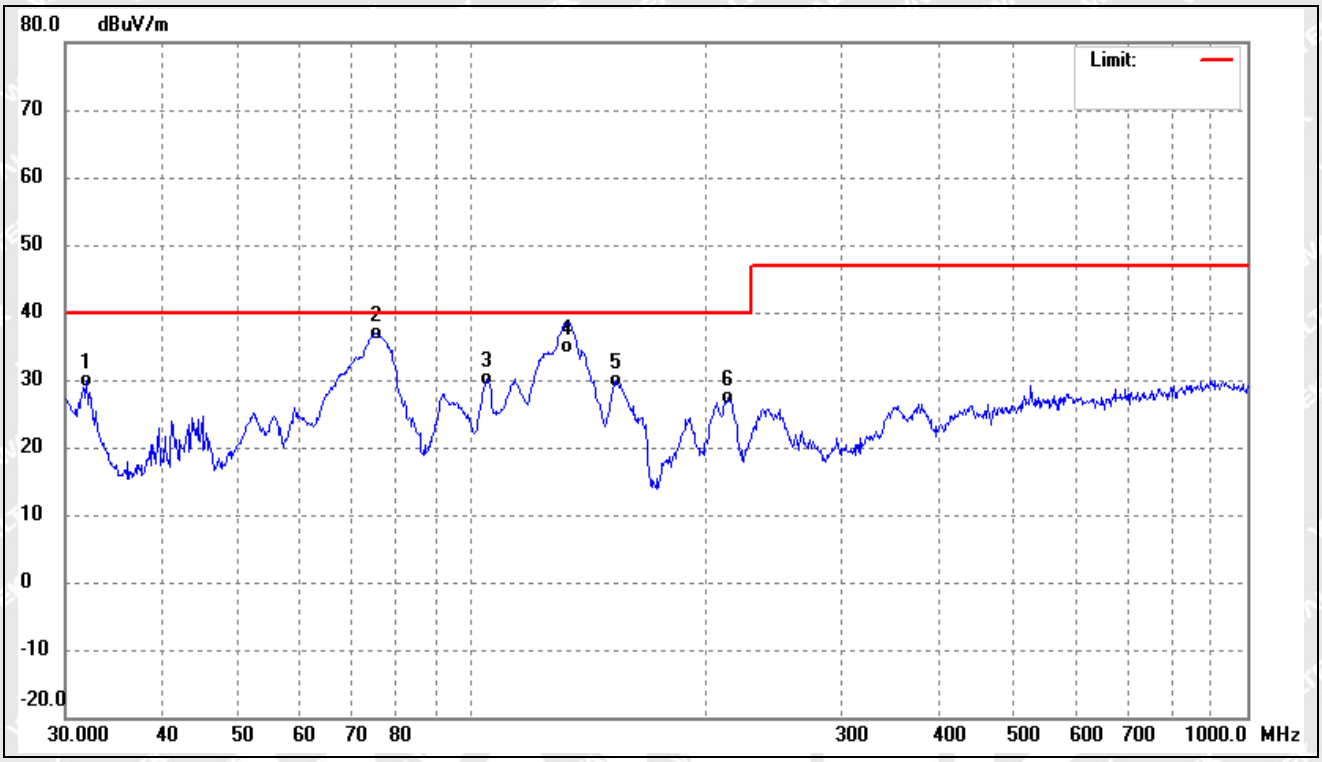
Please find the results below:

Test mode:	TM1	Polarity:	Horizontal



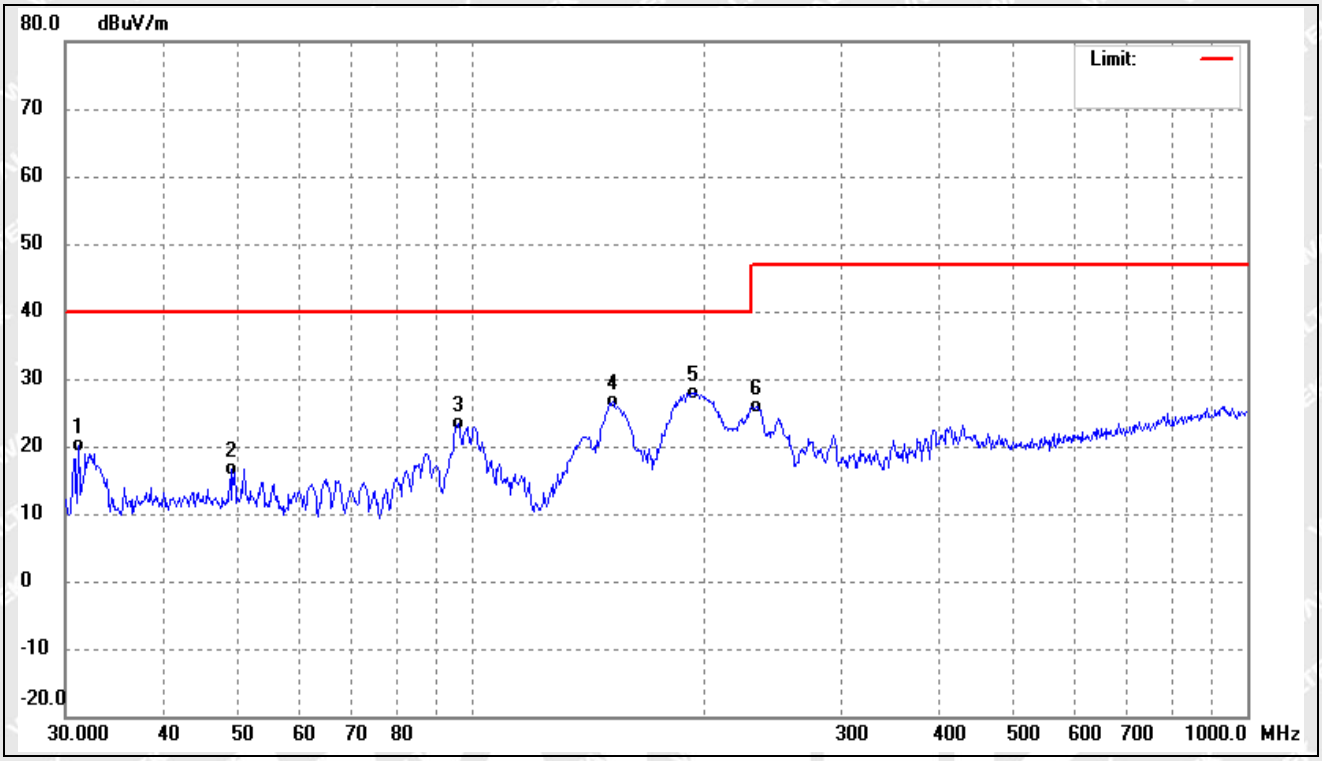
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	75.7114	40.20	-15.21	24.99	40.00	-15.01	QP
2	91.8163	40.18	-12.75	27.43	40.00	-12.57	QP
3	104.1701	45.58	-12.38	33.20	40.00	-6.80	QP
4	134.0882	50.34	-14.88	35.46	40.00	-4.54	QP
5	214.5143	36.58	-11.48	25.10	40.00	-14.90	QP
6	377.2591	35.53	-5.58	29.95	47.00	-17.05	QP

Test mode:	TM1	Polarity:	Vertical



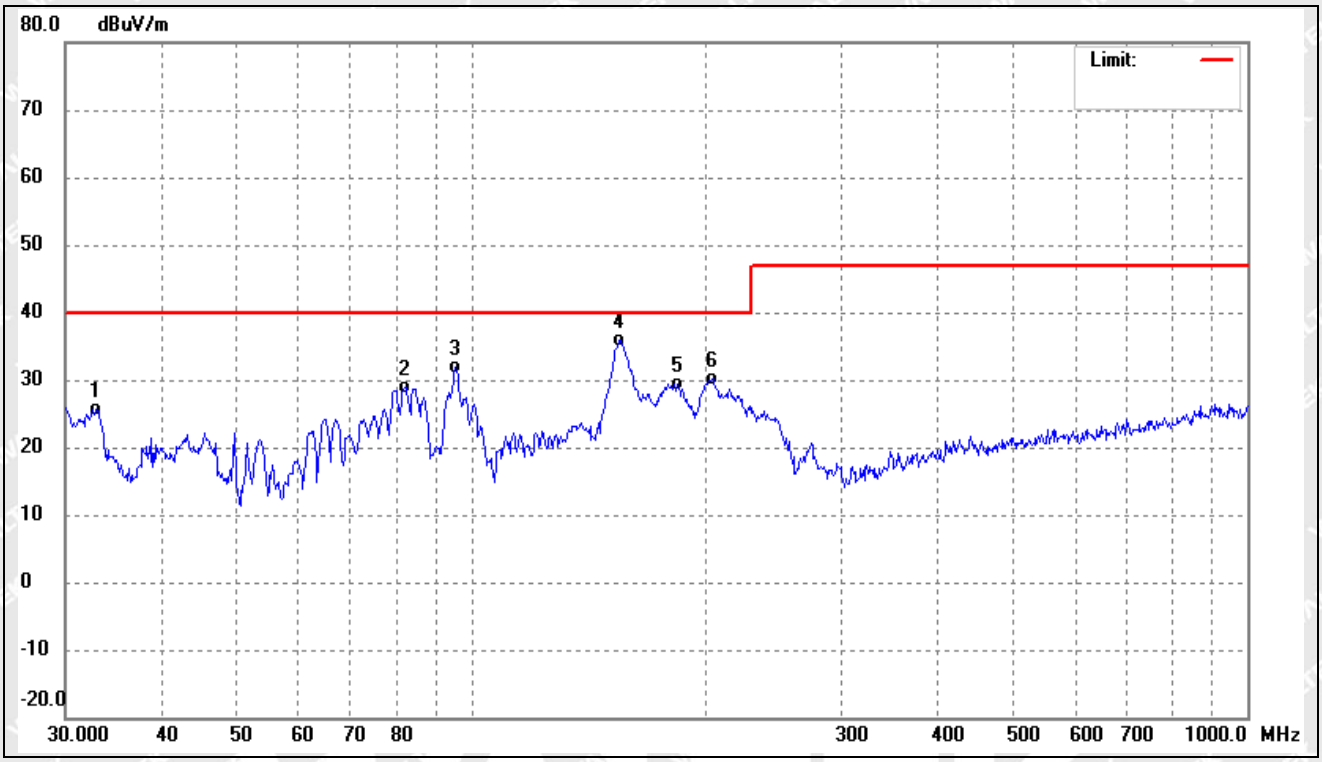
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	31.9546	42.18	-12.38	29.80	40.00	-10.20	QP
2	75.4464	52.10	-15.22	36.88	40.00	-3.12	QP
3	104.9033	42.46	-12.41	30.05	40.00	-9.95	QP
4	133.1511	49.86	-14.86	35.00	40.00	-5.00	QP
5	153.7385	44.79	-14.95	29.84	40.00	-10.16	QP
6	214.5143	38.95	-11.48	27.47	40.00	-12.53	QP

Test mode:	TM2	Polarity:	Horizontal



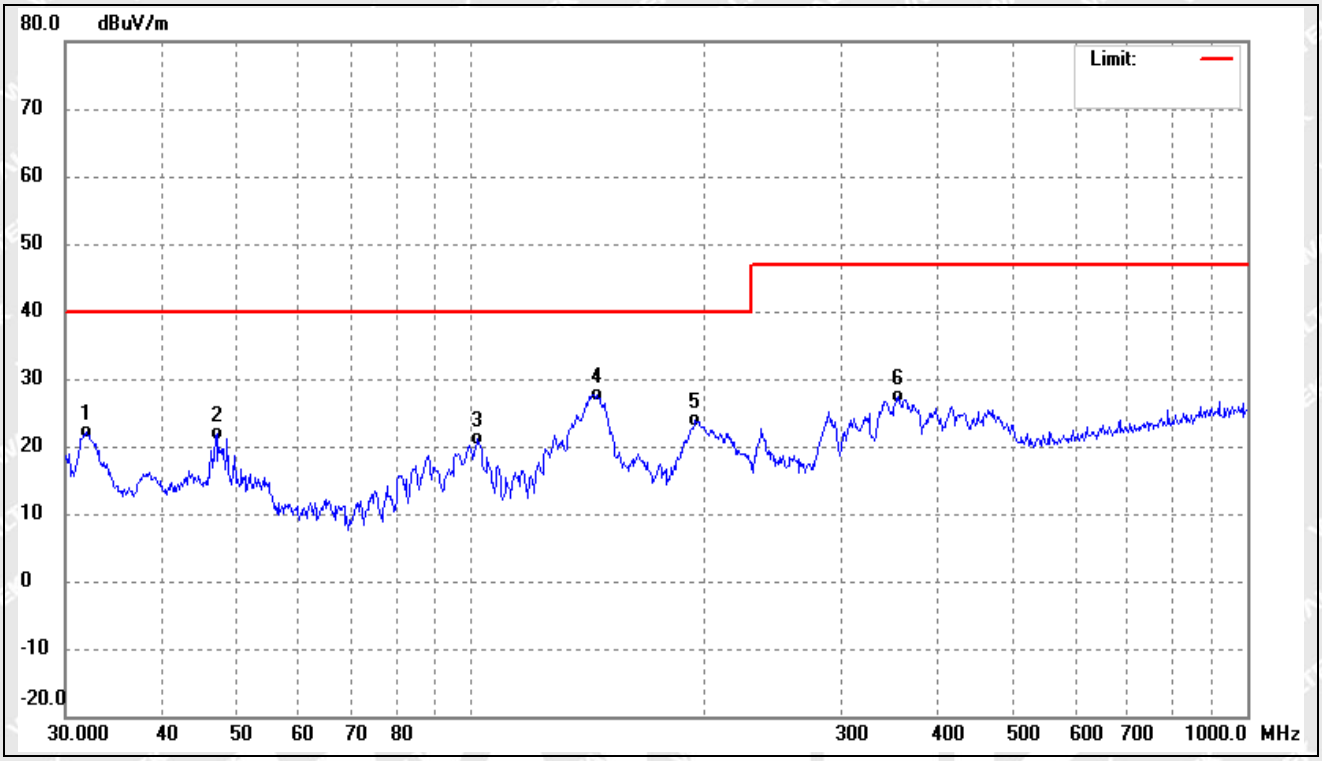
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	31.1798	36.67	-16.52	20.15	40.00	-19.85	QP
2	49.1865	31.55	-14.98	16.57	40.00	-23.43	QP
3	96.0986	39.79	-16.40	23.39	40.00	-16.61	QP
4	152.1297	45.66	-19.03	26.63	40.00	-13.37	QP
5	192.4186	44.35	-16.35	28.00	40.00	-12.00	QP
6	232.5318	40.71	-14.84	25.87	47.00	-21.13	QP

Test mode:	TM2	Polarity:	Vertical



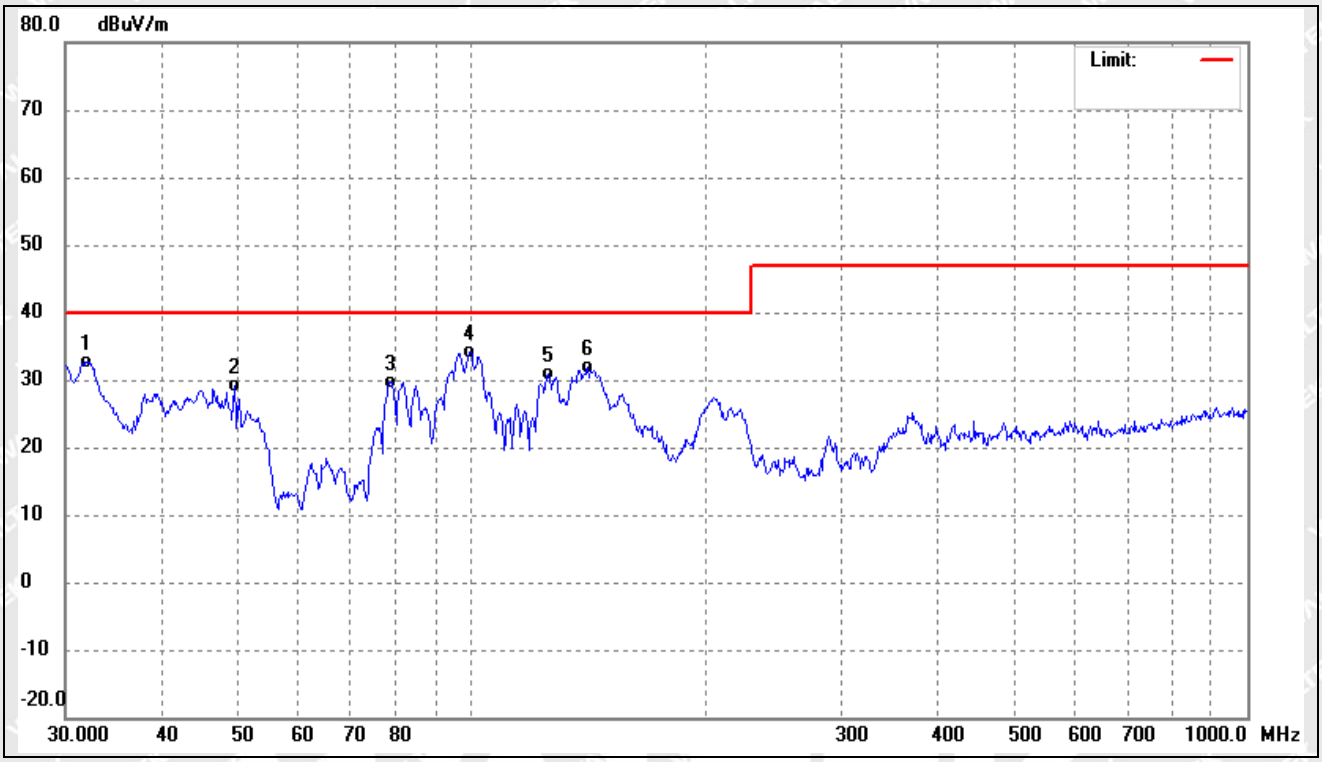
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	32.8637	41.85	-16.21	25.64	40.00	-14.36	QP
2	82.0706	47.75	-18.80	28.95	40.00	-11.05	QP
3	95.4270	48.21	-16.43	31.78	40.00	-8.22	QP
4	155.3644	54.78	-18.86	35.92	40.00	-4.08	QP
5	184.4898	46.58	-17.16	29.42	40.00	-10.58	QP
6	204.2377	46.09	-15.85	30.24	40.00	-9.76	QP

Test mode:	TM3	Polarity:	Horizontal



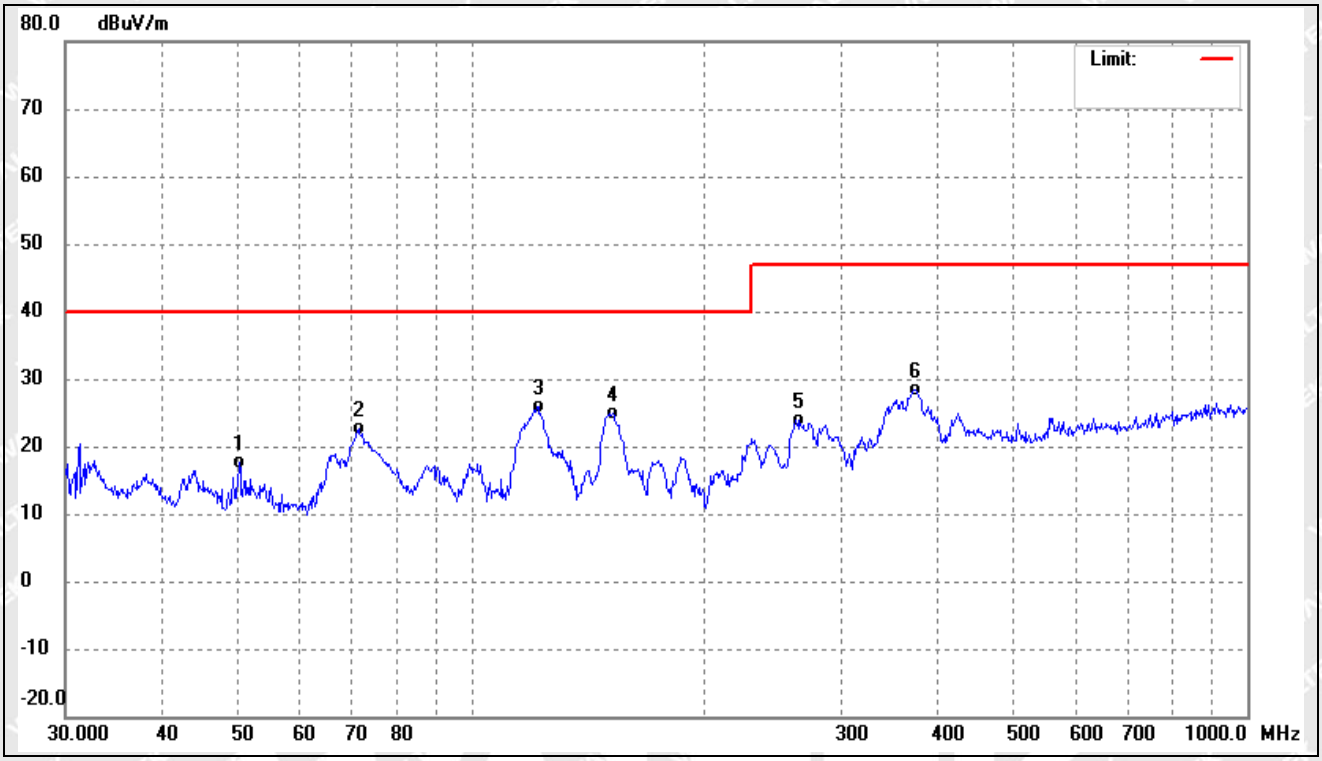
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	31.9546	38.59	-16.38	22.21	40.00	-17.79	QP
2	46.9948	36.80	-14.97	21.83	40.00	-18.17	QP
3	102.0014	37.40	-16.27	21.13	40.00	-18.87	QP
4	145.3506	46.83	-19.12	27.71	40.00	-12.29	QP
5	194.4534	40.11	-16.26	23.85	40.00	-16.15	QP
6	354.1831	37.95	-10.51	27.44	47.00	-19.56	QP

Test mode:	TM3	Polarity:	Vertical



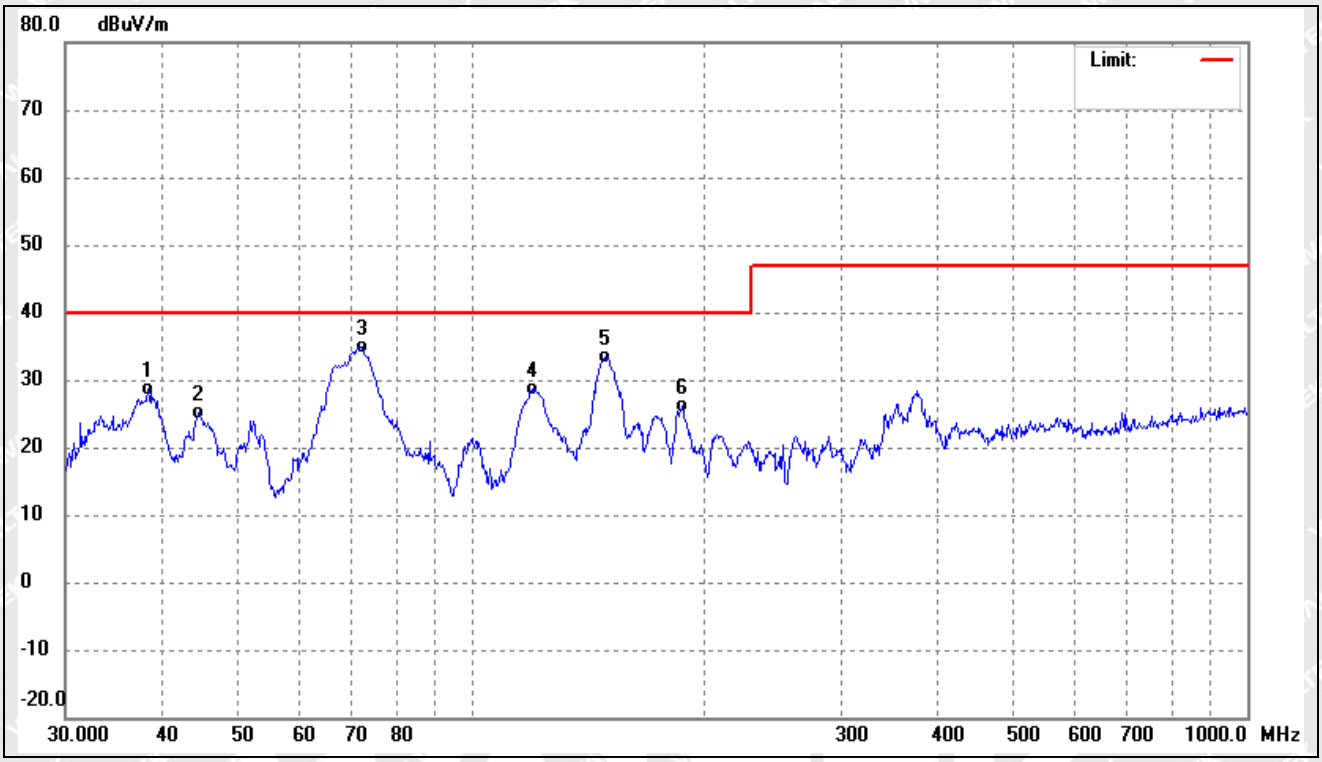
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	31.9546	49.09	-16.38	32.71	40.00	-7.29	QP
2	49.5328	44.06	-14.99	29.07	40.00	-10.93	QP
3	78.6888	48.97	-19.25	29.72	40.00	-10.28	QP
4	99.5281	50.42	-16.21	34.21	40.00	-5.79	QP
5	125.4457	49.32	-18.37	30.95	40.00	-9.05	QP
6	141.3298	51.01	-19.09	31.92	40.00	-8.08	QP

Test mode:	TM4	Polarity:	Horizontal



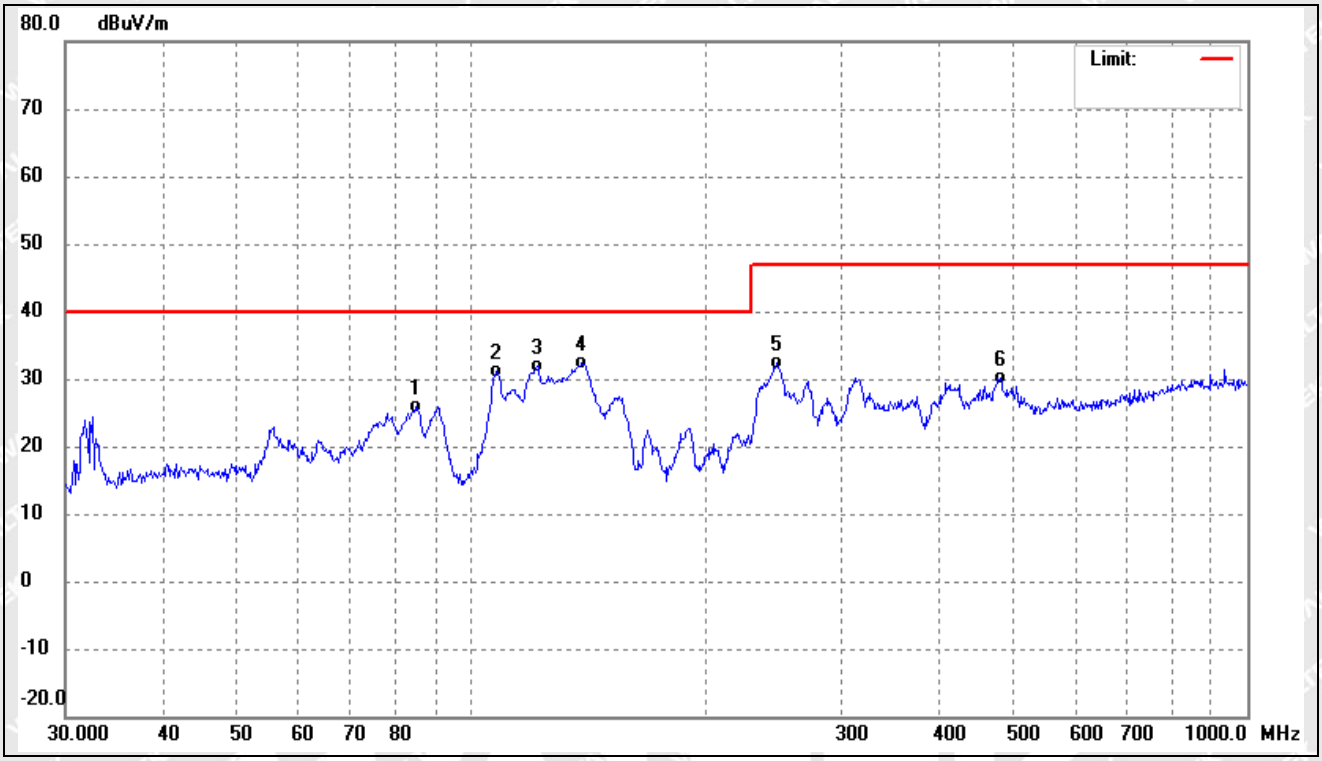
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	50.2324	32.78	-15.03	17.75	40.00	-22.25	QP
2	71.5806	41.99	-19.43	22.56	40.00	-17.44	QP
3	121.9755	44.00	-18.09	25.91	40.00	-14.09	QP
4	152.1297	43.95	-19.03	24.92	40.00	-15.08	QP
5	263.8190	37.60	-13.69	23.91	47.00	-23.09	QP
6	373.3112	38.16	-9.73	28.43	47.00	-18.57	QP

Test mode:	TM4	Polarity:	Vertical



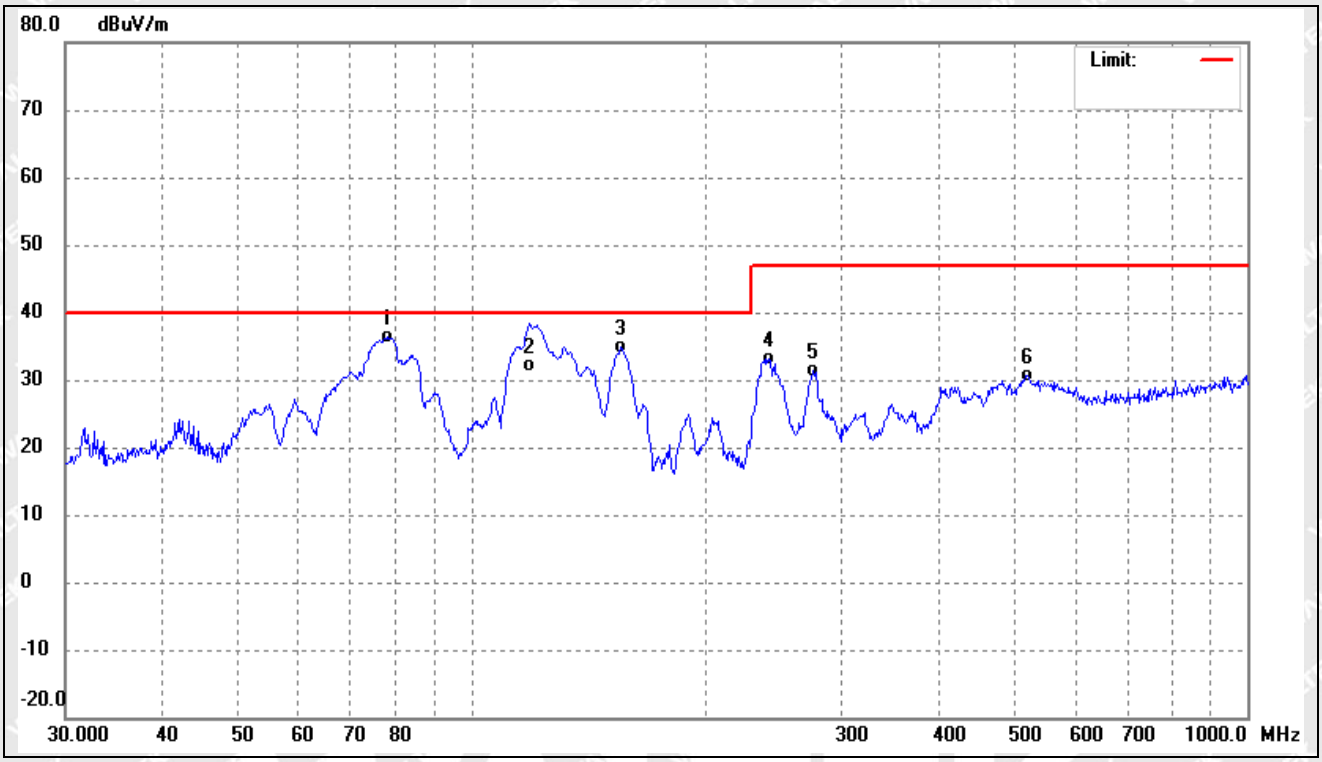
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	38.3462	43.90	-15.23	28.67	40.00	-11.33	QP
2	44.5868	40.03	-14.95	25.08	40.00	-14.92	QP
3	72.3376	54.32	-19.39	34.93	40.00	-5.07	QP
4	119.8556	46.53	-17.91	28.62	40.00	-11.38	QP
5	148.9625	52.58	-19.14	33.44	40.00	-6.56	QP
6	187.0958	42.89	-16.83	26.06	40.00	-13.94	QP

Test mode:	TM5	Polarity:	Horizontal



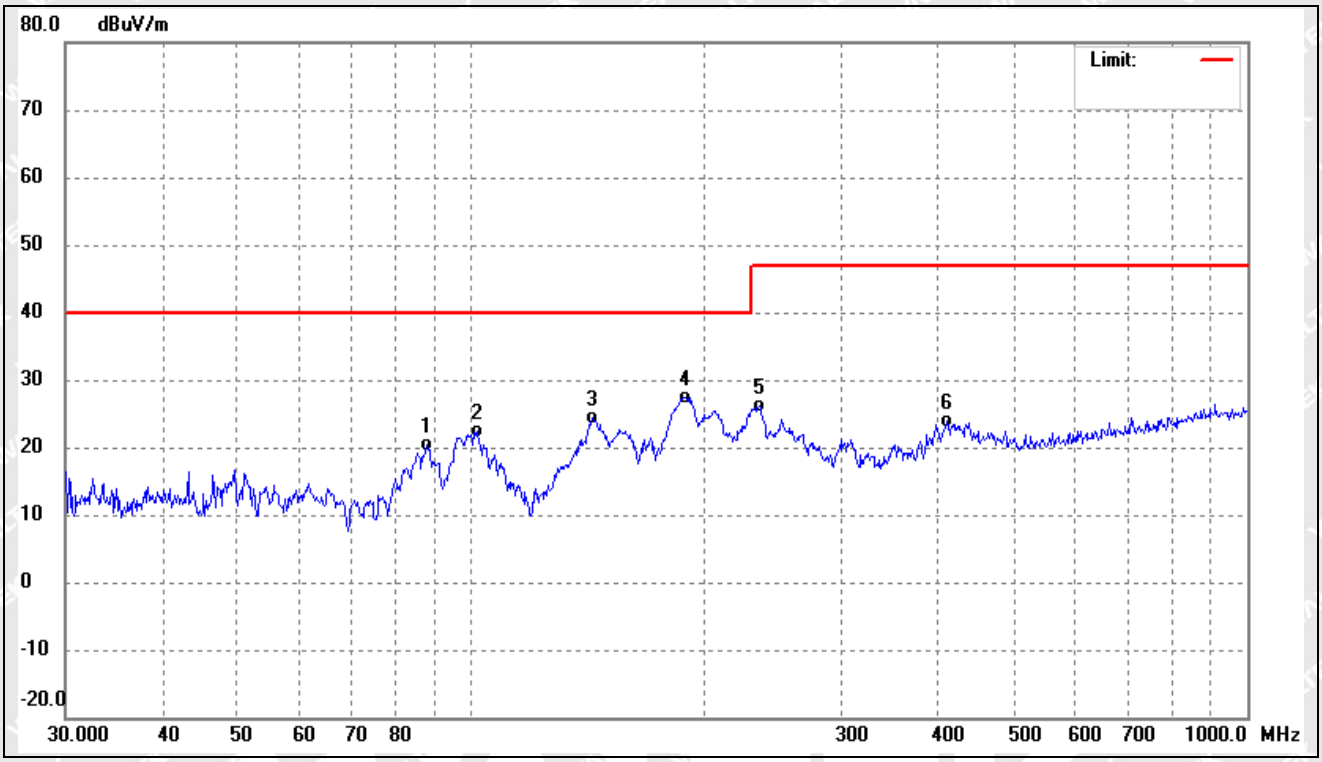
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	84.7019	40.03	-14.21	25.82	40.00	-14.18	QP
2	107.8877	43.78	-12.55	31.23	40.00	-8.77	QP
3	121.5486	46.05	-14.06	31.99	40.00	-8.01	QP
4	138.8735	47.41	-15.04	32.37	40.00	-7.63	QP
5	247.6819	42.72	-10.28	32.44	47.00	-14.56	QP
6	480.5276	33.82	-3.72	30.10	47.00	-16.90	QP

Test mode:	TM5	Polarity:	Vertical



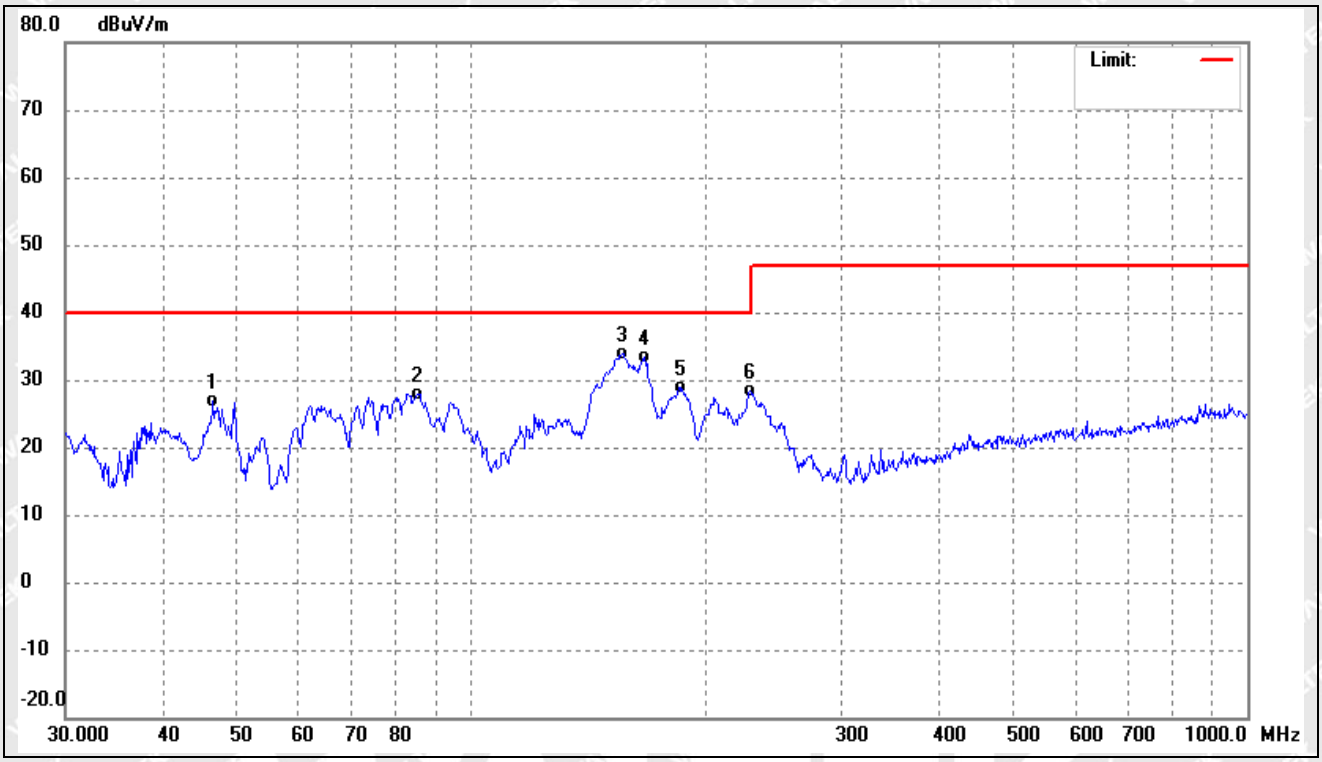
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	78.1389	51.55	-15.25	36.30	40.00	-3.70	QP
2	119.0180	45.90	-13.80	32.10	40.00	-7.90	QP
3	155.9101	49.78	-14.83	34.95	40.00	-5.05	QP
4	241.6763	43.72	-10.50	33.22	47.00	-13.78	QP
5	276.1235	40.66	-9.22	31.44	47.00	-15.56	QP
6	520.8882	34.18	-3.48	30.70	47.00	-16.30	QP

Test mode:	TM6	Polarity:	Horizontal



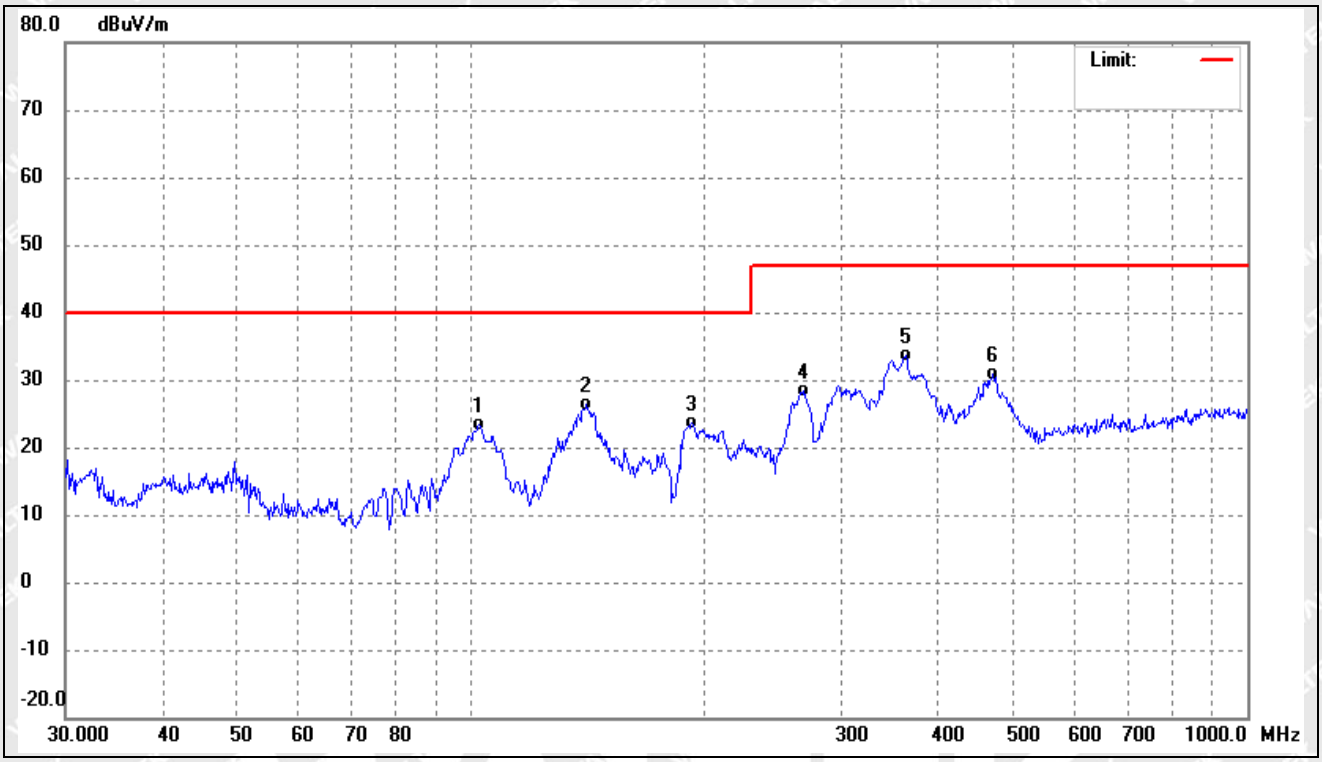
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	87.7248	37.90	-17.46	20.44	40.00	-19.56	QP
2	101.6443	38.66	-16.26	22.40	40.00	-17.60	QP
3	143.3261	43.43	-19.11	24.32	40.00	-15.68	QP
4	188.4125	44.13	-16.65	27.48	40.00	-12.52	QP
5	234.9909	40.82	-14.76	26.06	47.00	-20.94	QP
6	410.3825	32.41	-8.44	23.97	47.00	-23.03	QP

Test mode:	TM6	Polarity:	Vertical



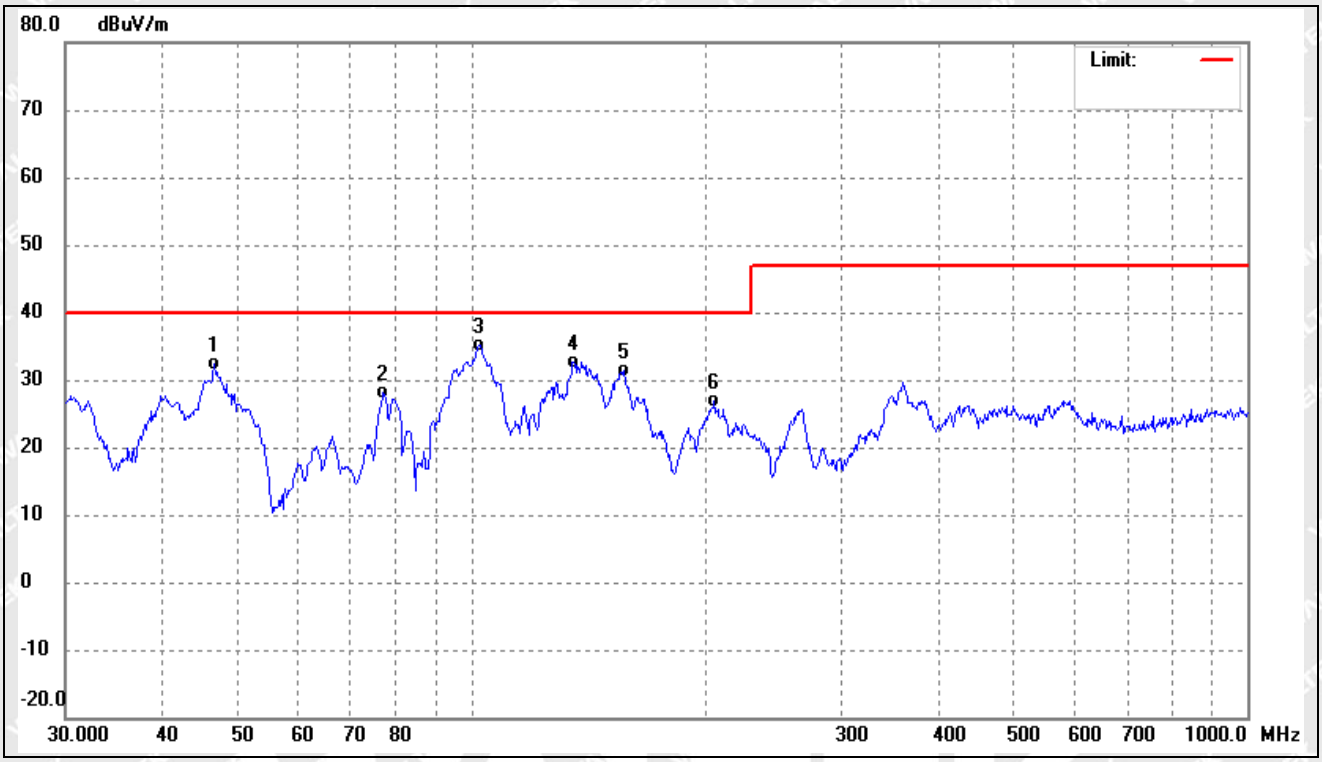
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	46.5030	41.92	-14.97	26.95	40.00	-13.05	QP
2	85.2980	45.90	-18.06	27.84	40.00	-12.16	QP
3	156.4578	52.68	-18.80	33.88	40.00	-6.12	QP
4	167.2368	51.57	-18.28	33.29	40.00	-6.71	QP
5	185.1379	45.89	-17.06	28.83	40.00	-11.17	QP
6	228.4904	43.25	-14.98	28.27	40.00	-11.73	QP

Test mode:	TM7	Polarity:	Horizontal



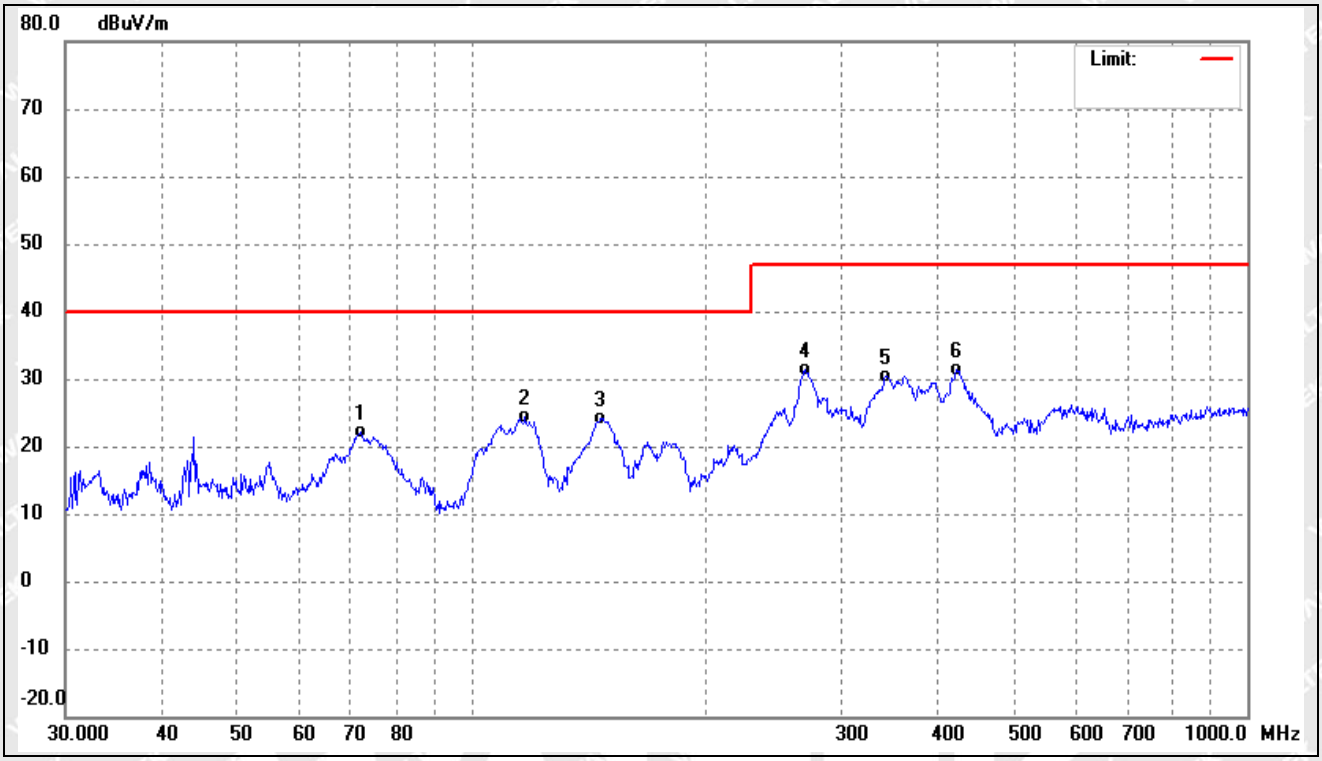
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	102.3597	39.73	-16.29	23.44	40.00	-16.56	QP
2	140.8351	45.41	-19.09	26.32	40.00	-13.68	QP
3	192.4186	39.88	-16.35	23.53	40.00	-16.47	QP
4	267.5455	41.82	-13.53	28.29	47.00	-18.71	QP
5	362.9844	43.74	-10.16	33.58	47.00	-13.42	QP
6	470.5232	38.67	-7.88	30.79	47.00	-16.21	QP

Test mode:	TM7	Polarity:	Vertical



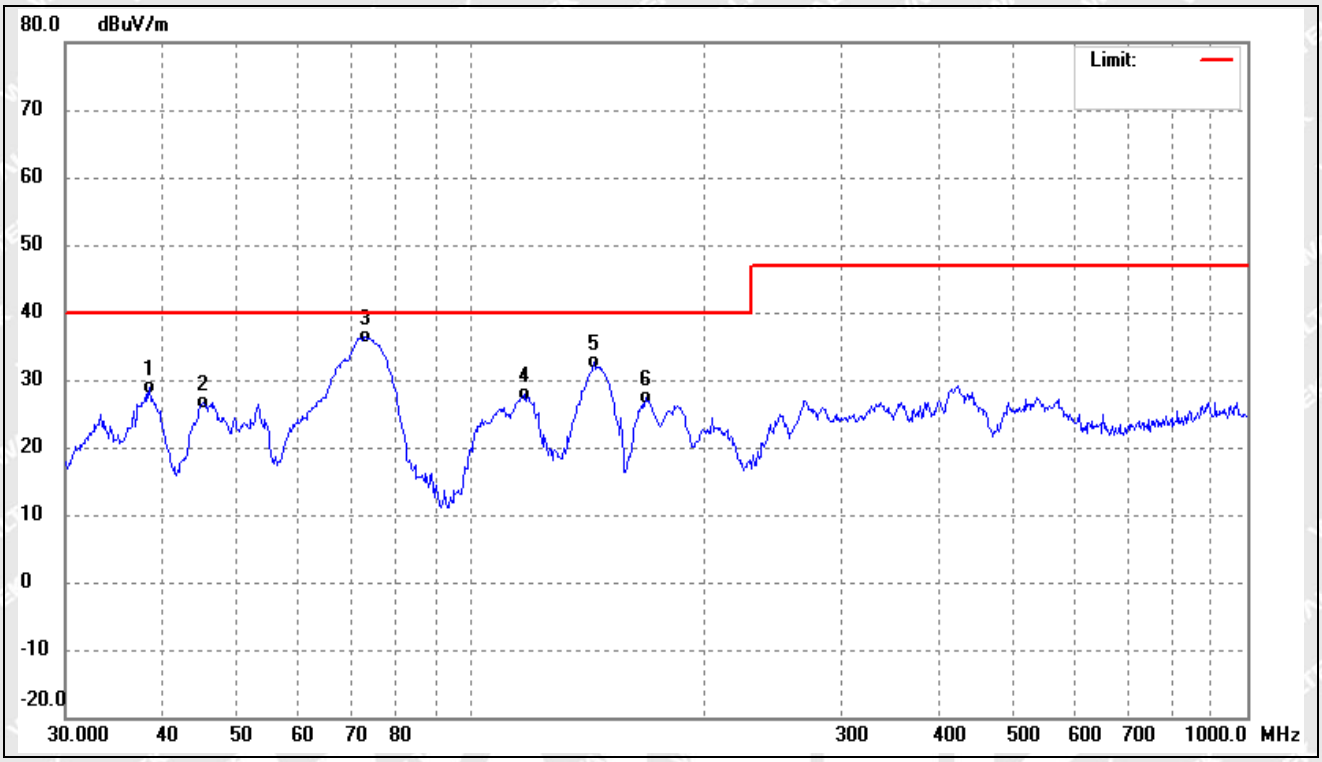
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	46.6664	47.28	-14.97	32.31	40.00	-7.69	QP
2	77.0505	47.31	-19.23	28.08	40.00	-11.92	QP
3	102.3597	51.35	-16.29	35.06	40.00	-4.94	QP
4	135.5062	51.69	-18.94	32.75	40.00	-7.25	QP
5	157.5588	50.20	-18.74	31.46	40.00	-8.54	QP
6	205.6751	42.70	-15.80	26.90	40.00	-13.10	QP

Test mode:	TM8	Polarity:	Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	72.0843	41.49	-19.40	22.09	40.00	-17.91	QP
2	117.3603	41.85	-17.59	24.26	40.00	-15.74	QP
3	146.8877	43.36	-19.13	24.23	40.00	-15.77	QP
4	269.4284	44.84	-13.47	31.37	47.00	-15.63	QP
5	341.9786	41.39	-10.99	30.40	47.00	-16.60	QP
6	422.0577	39.33	-8.05	31.28	47.00	-15.72	QP

Test mode:	TM8	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	38.4809	44.08	-15.20	28.88	40.00	-11.12	QP
2	45.2166	41.62	-14.95	26.67	40.00	-13.33	QP
3	73.1025	55.79	-19.33	36.46	40.00	-3.54	QP
4	116.9495	45.30	-17.54	27.76	40.00	-12.24	QP
5	143.8295	51.65	-19.11	32.54	40.00	-7.46	QP
6	167.8243	45.54	-18.27	27.27	40.00	-12.73	QP

5. Harmonic Current Emissions

5.1 Test Procedure

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

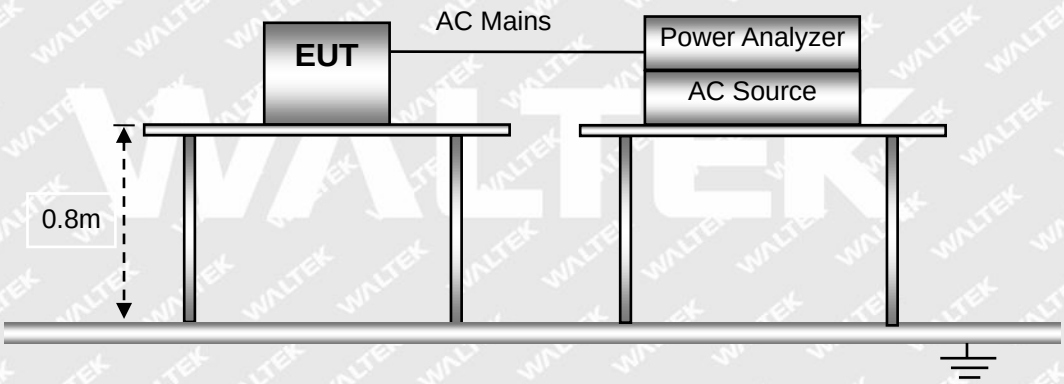
5.2 Test Standards

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

5.3 Environmental Conditions

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

5.4 Basic Test Setup Block Diagram



5.5 Harmonic Current Emissions Test Data

According to Clause 7 of 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 IEC 61000-3-3.

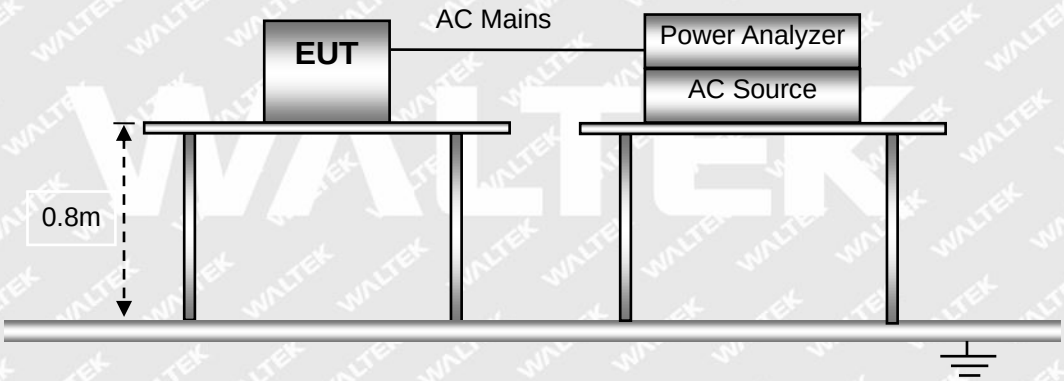
6.2 Test Standards

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

6.3 Environmental Conditions

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

6.4 Basic Test Setup Block Diagram



6.5 Voltage Fluctuation and Flicker Test Data

Test mode:	TM1

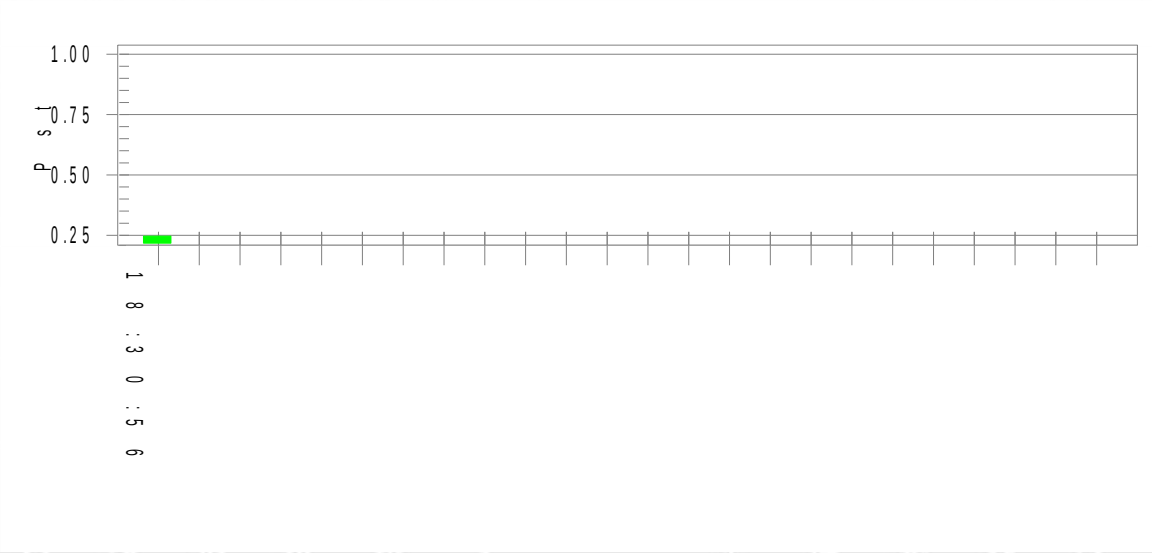
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM1

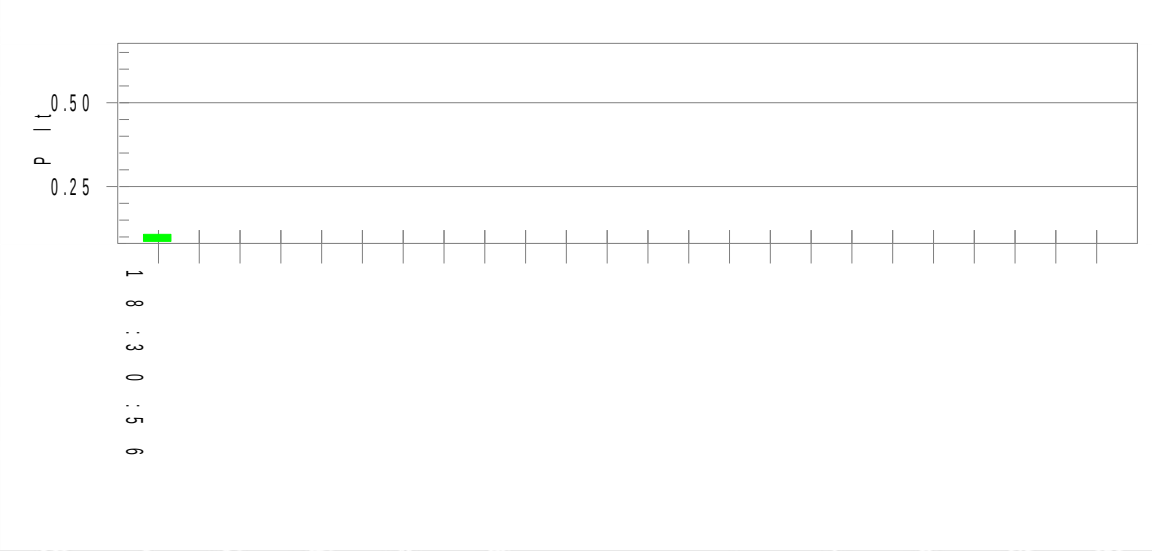
Customer: Customer information

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): 229.87

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**

Test mode:	TM2

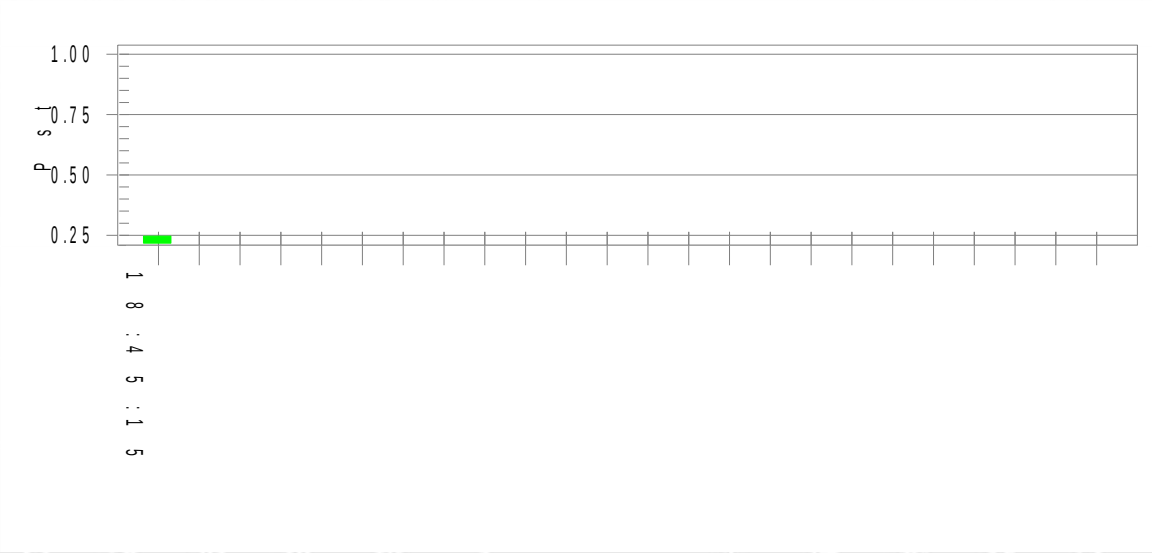
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM2

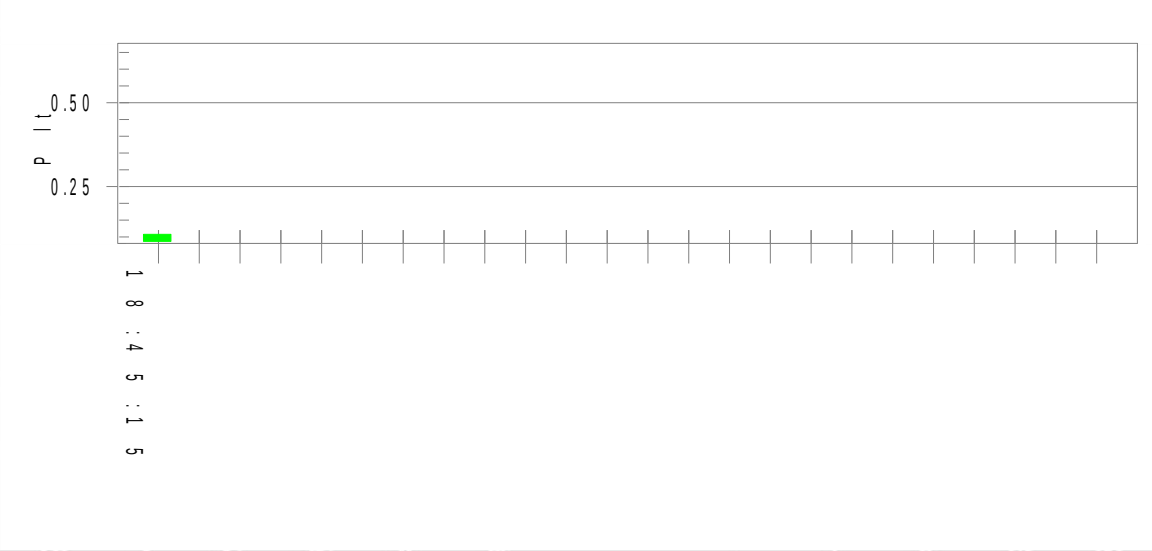
Customer: Customer information

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): 229.90

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**

Test mode:	TM3

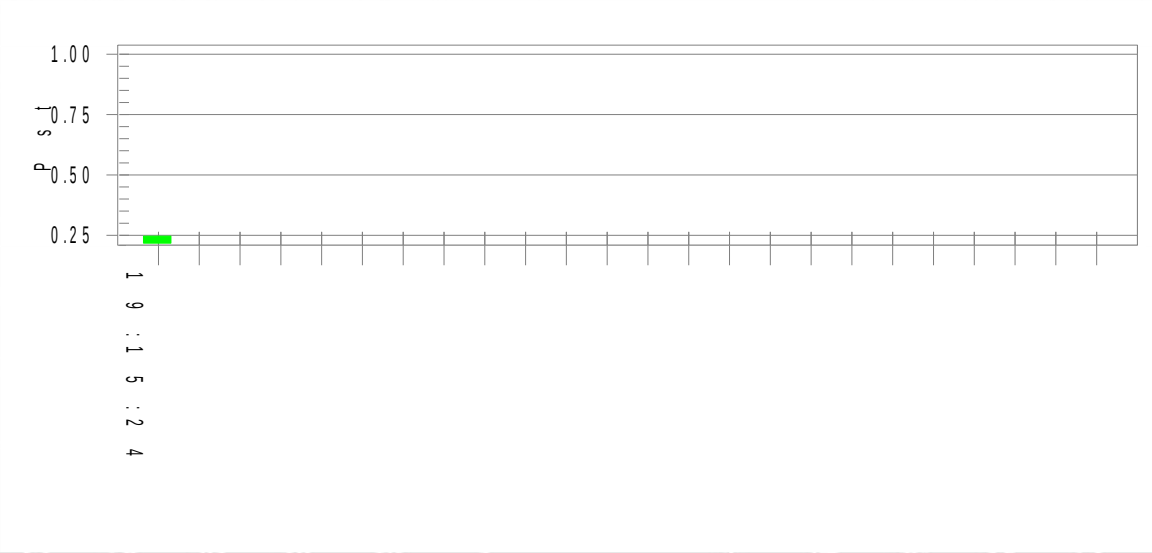
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM3

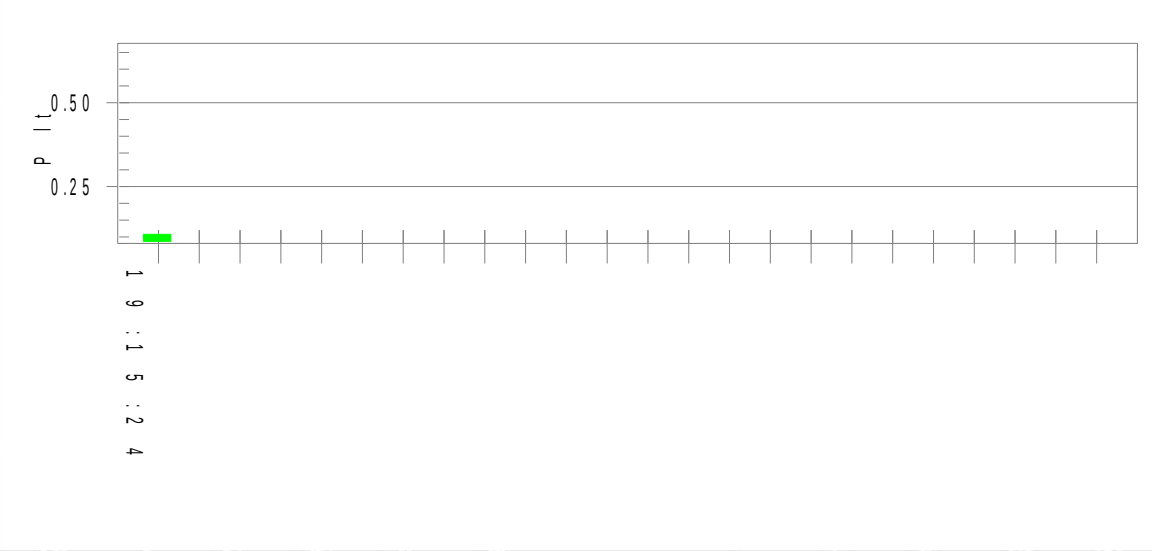
Customer: Customer information

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

Pst_1 and limit line **European Limits**



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 229.94

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**

Test mode:	TM4

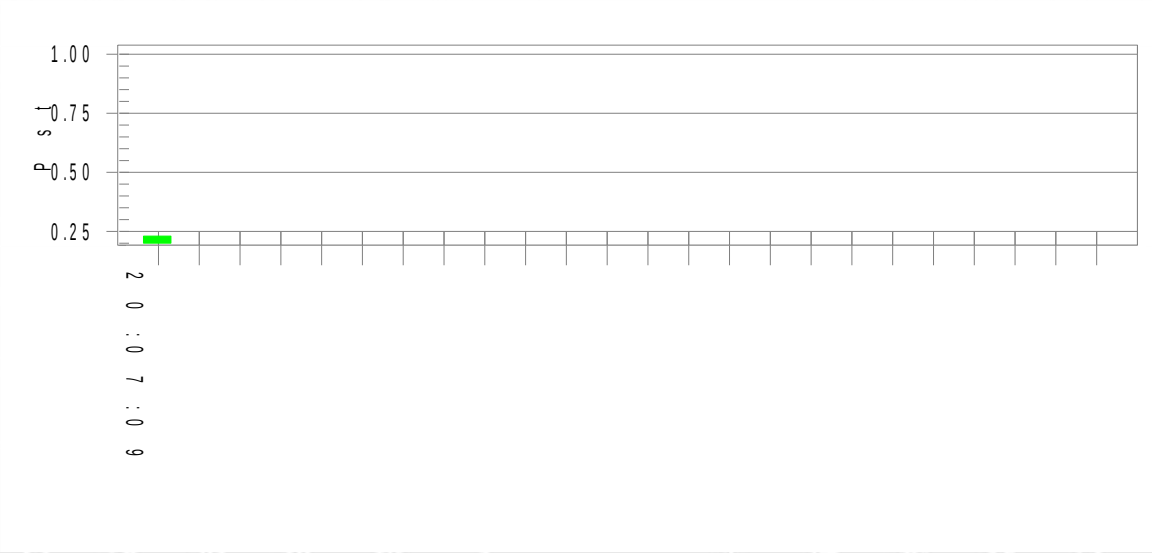
Flicker Test Summary per IEC61000-3-3:2013+AMD2:2021 (Run time)

Comment: TM4

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): 229.91

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):	**0.230**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.101**	**Test limit:**	**0.650**	**Pass**

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

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

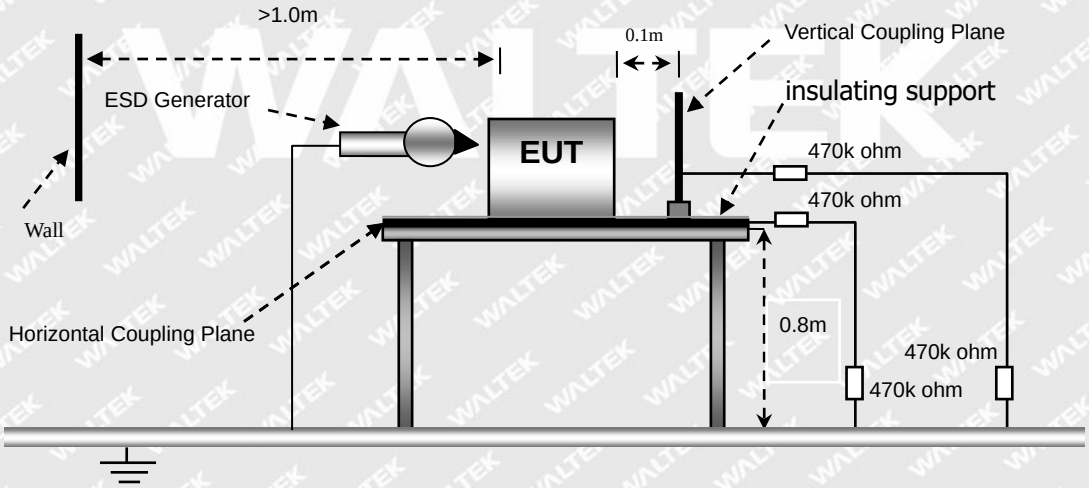
7.2 Test Performance

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)

IEC 61000-4-2	Test Voltage (kV)									
Test Points	-2	+2	-4	+4	-8	+8	-15	+15	-20	+20
Shell edge crack	A	A	A	A	A	A	A	A	A	A
Pilot lamp	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

IEC 61000-4-2	Test Voltage (kV)									
Test Points	-2	+2	-4	+4	-8	+8	-15	+15	-20	+20
/	/	/	/	/	/	/	/	/	/	/

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

IEC 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	A	A
VCP (4 Sides)	A	A	A	A	A	A	A	A	A	A

Test Result: Pass

8. Continuous RF Electromagnetic Field Disturbances (RS)

8.1 Test Procedure

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

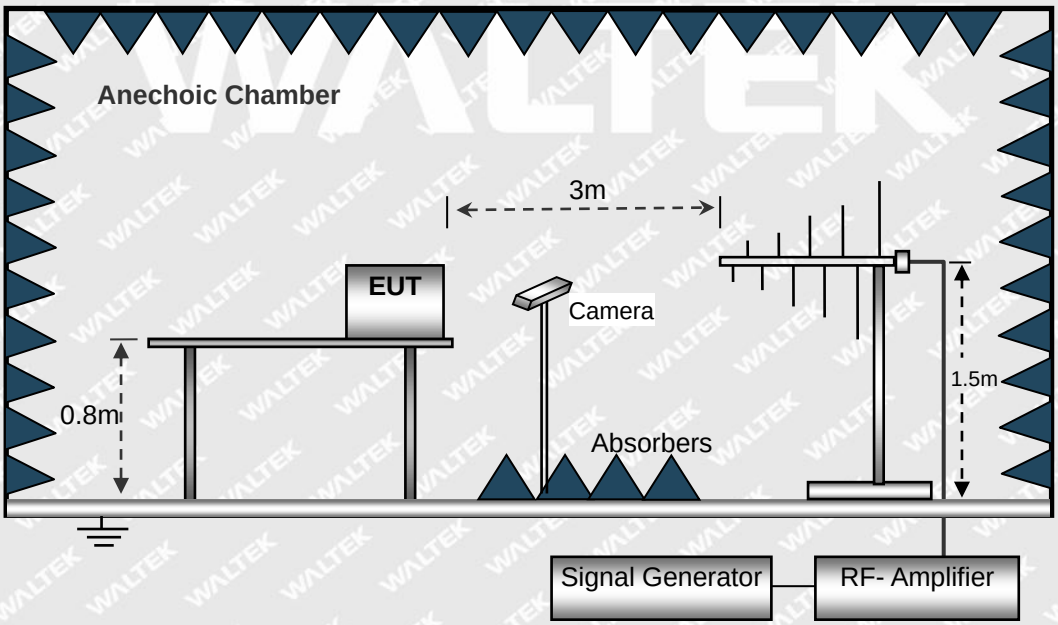
8.2 Test Performance

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
80-2700	10	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 IEC 61000-4-4.

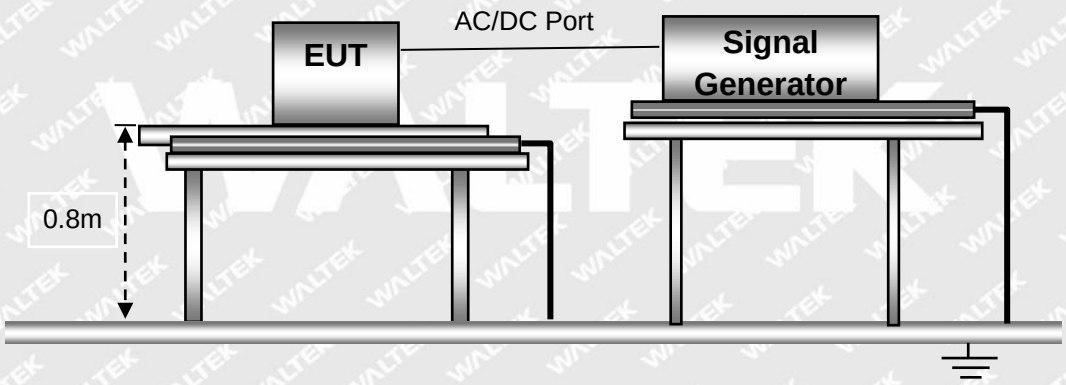
9.2 Test Performance

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

Repetition frequency 100 kHz

GTM96600-6030-R3A-CF(30V/2.0A); GTM96600-3005-R3A(5V/6A); TM96600-6512-T3A(12V/5.41A)

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

GTM96600-6054-R2(54V/1.11A)

IEC 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 IEC 61000-4-5.

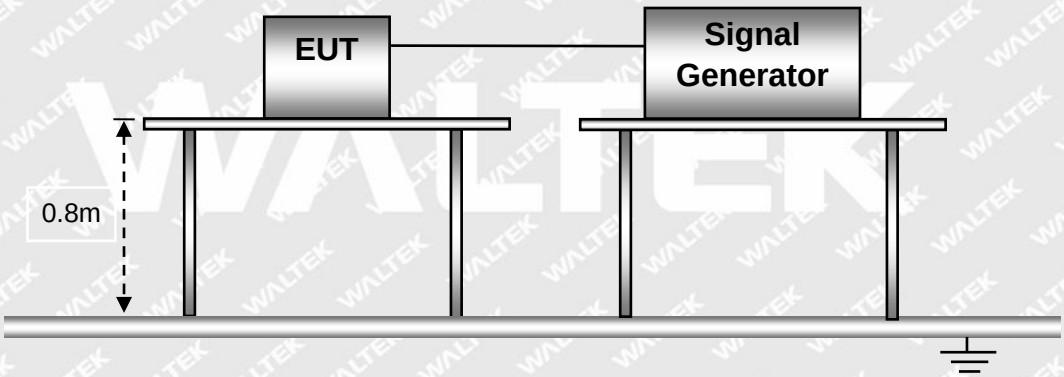
10.2 Test Performance

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

GTM96600-6030-R3A-CF(30V/2.0A); GTM96600-3005-R3A (5V/6A); GTM96600-6512-T3A(12V/5.41A)

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

GTM96600-6054-R2(54V/1.11A)

Test Voltage (kV)	Poll	Path	Pass	Fail
0.5kV	±	L-N	A	/
1kV	±	L-N	A	/
2kV	±	L-N	A	/
4kV	±	L-N, 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 IEC 61000-4-6.

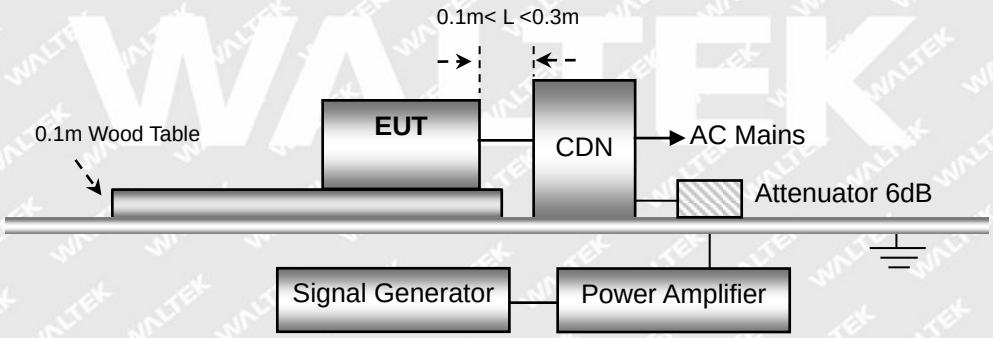
11.2 Test Performance

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: 0.15 MHz to 80 MHz
Frequency step: 1% of fundamental
Dwell time: 1 second

AC Port

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

Test Result: Pass

12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

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

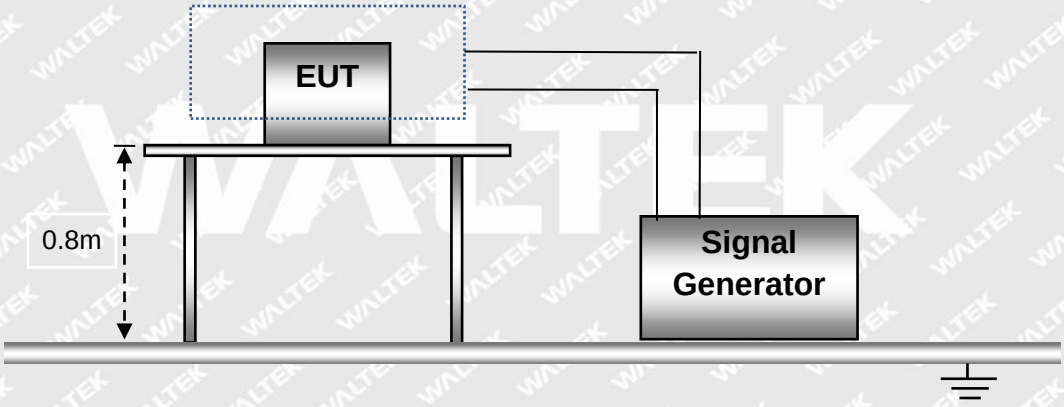
12.2 Test Performance

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	/	/
2	3	50/60	X, Y, Z	/	/
3	10	50/60	X, Y, Z	/	/
4	30	50/60	X, Y, Z	A	/

Test Result: Pass

13. Voltage Dips and Interruptions

13.1 Test Procedure

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

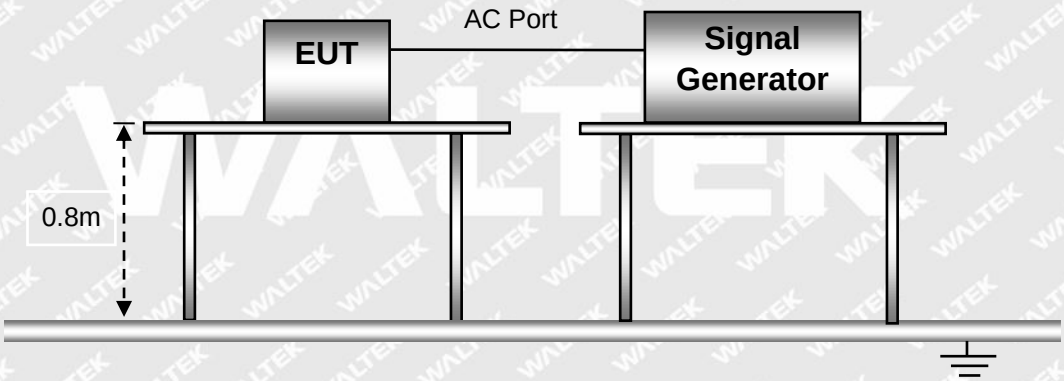
13.2 Test Performance

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% (100V/60Hz, 240V/50Hz)	10ms	0°/45°/90°/135°/180°,225°/270°/315°	3	A	/
2	100% (100V/60Hz, 240V/50Hz)	20ms	0°/45°/90°/135°/180°,225°/270°/315°	3	A	/
3	70% (100V/60Hz, 240V/50Hz)	500ms /600ms	0°/45°/90°/135°/180°,225°/270°/315°	3	B	/
4	100% (100V/60Hz, 240V/50Hz)	5000ms /6000ms	0°/45°/90°/135°/180°,225°/270°/315°	3	B	/

Test Result: Pass

EXHIBIT 1 - EUT PHOTOGRAPHS

GTM96600-6030-R3A-CF(30V-2.0A)

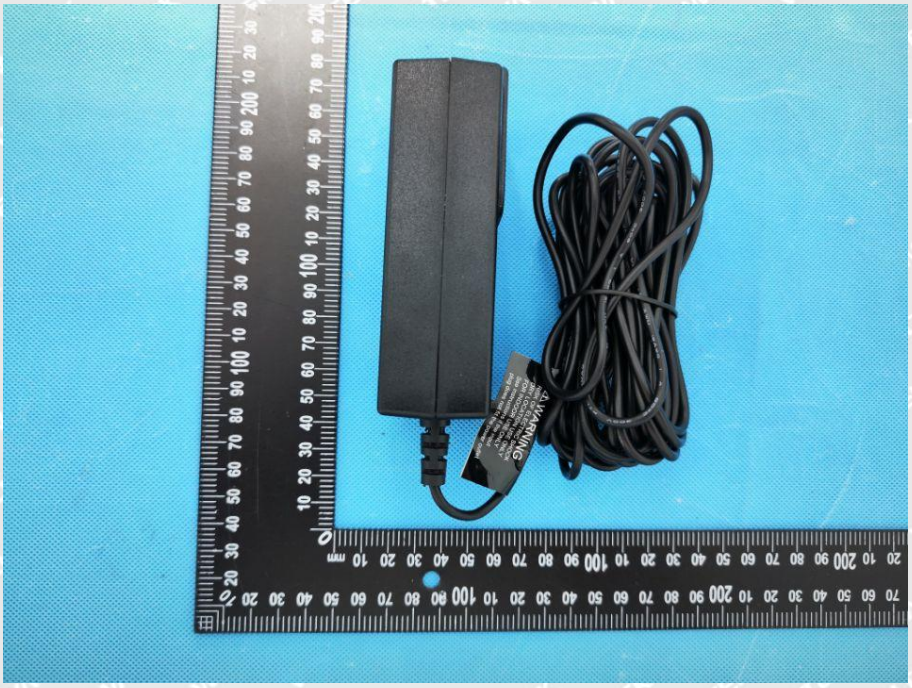
EUT View 1



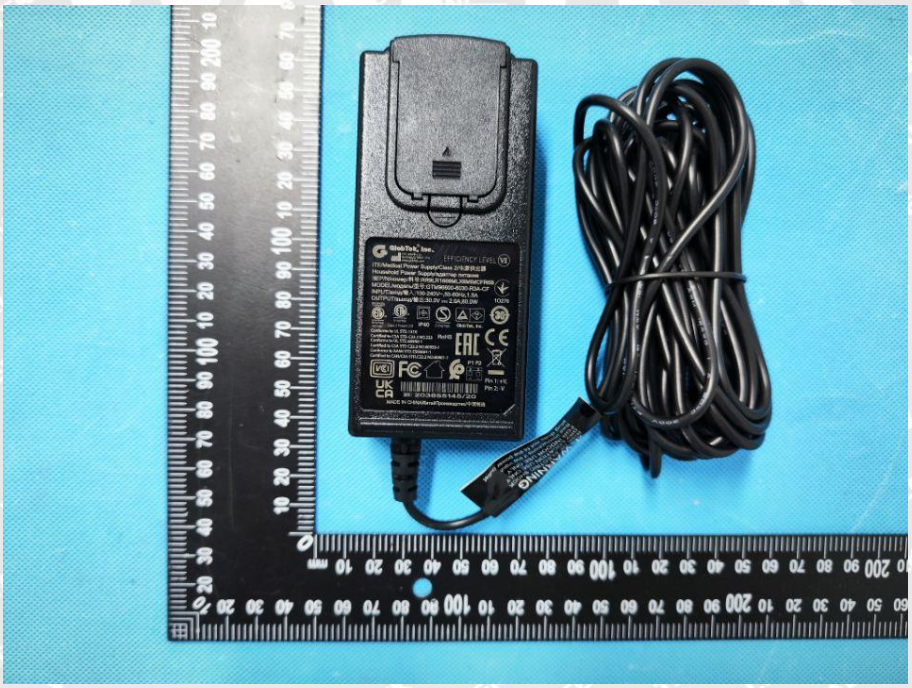
EUT View 2



EUT View 3



EUT View 4



EUT View 5



EUT View 6



EUT View 7



GTM96600-3005-R3A(5V-6A)
EUT View 8



EUT View 9



EUT View 10



EUT View 11



EUT View 12



EUT View 13



EUT View 14

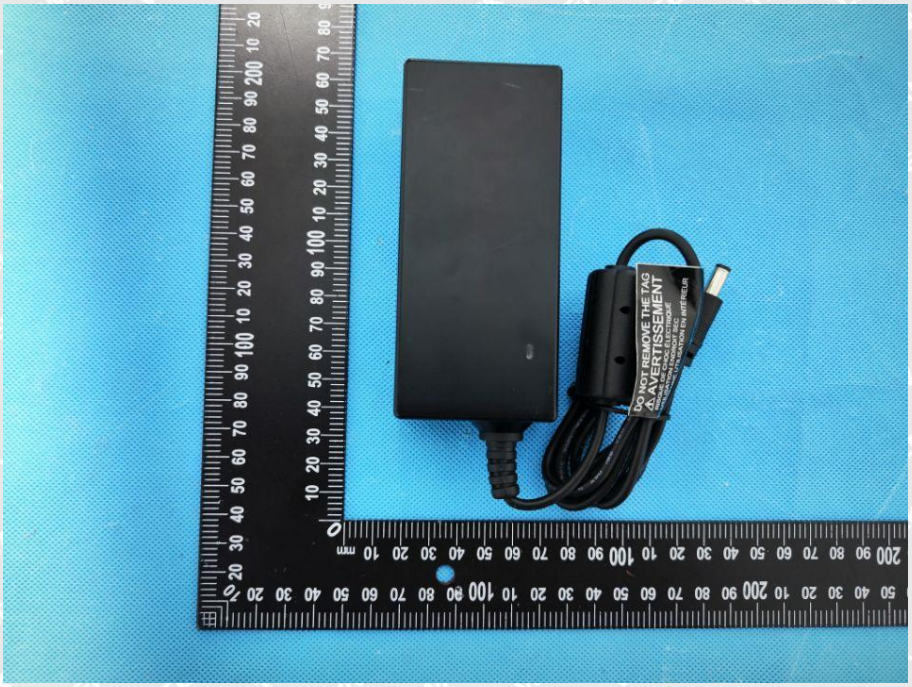


GTM96600-6512-T3A(12V-5.41A)

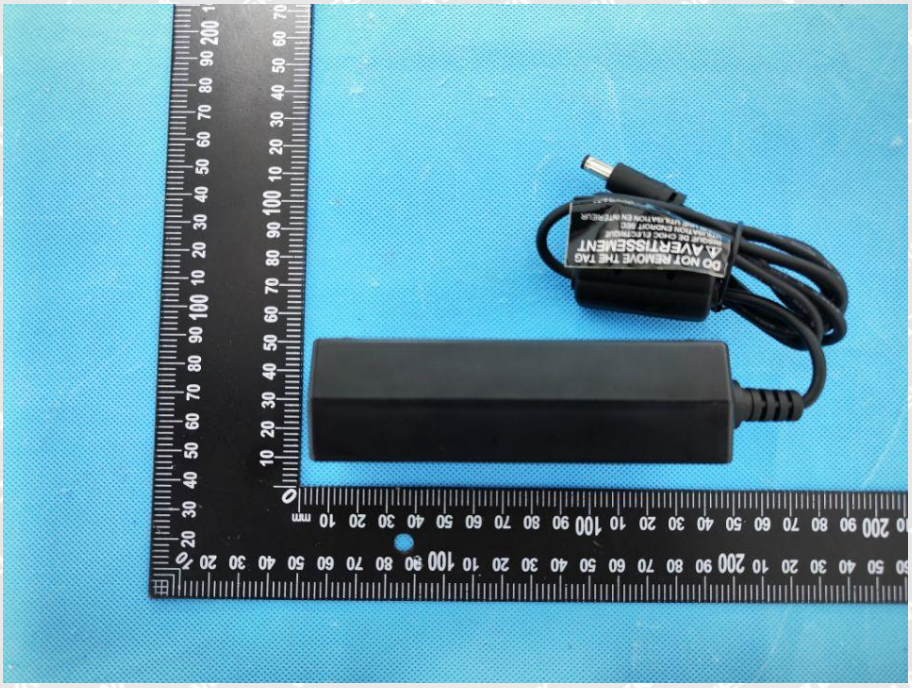
EUT View 15



EUT View 16



EUT View 17



EUT View 18



EUT View 19



EUT View 20



EUT View 21



GTM96600-6054-R2(54V-1.11A)
EUT View 22



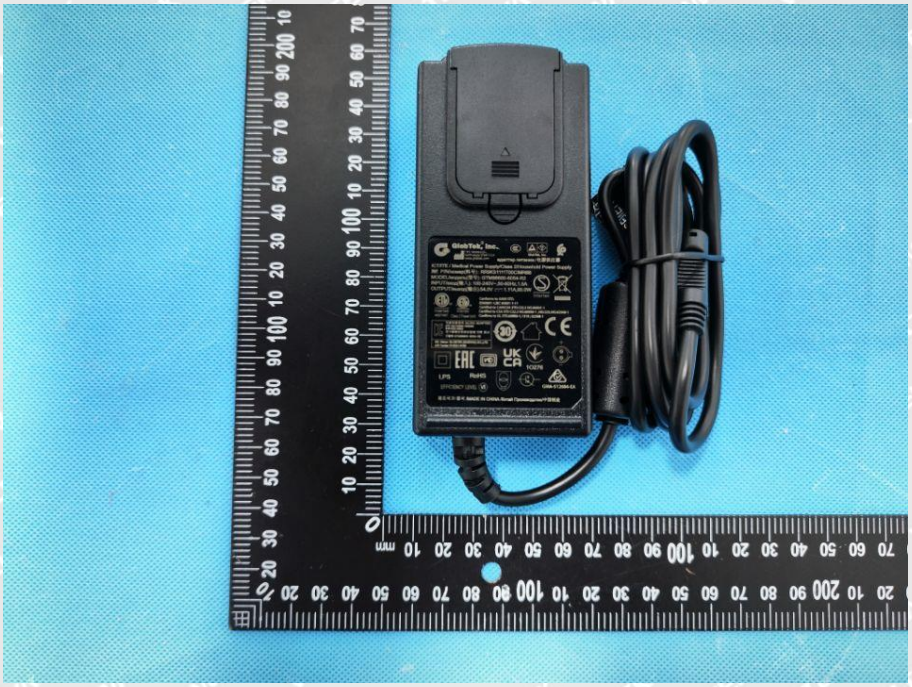
EUT View 23



EUT View 24



EUT View 25



EUT View 26



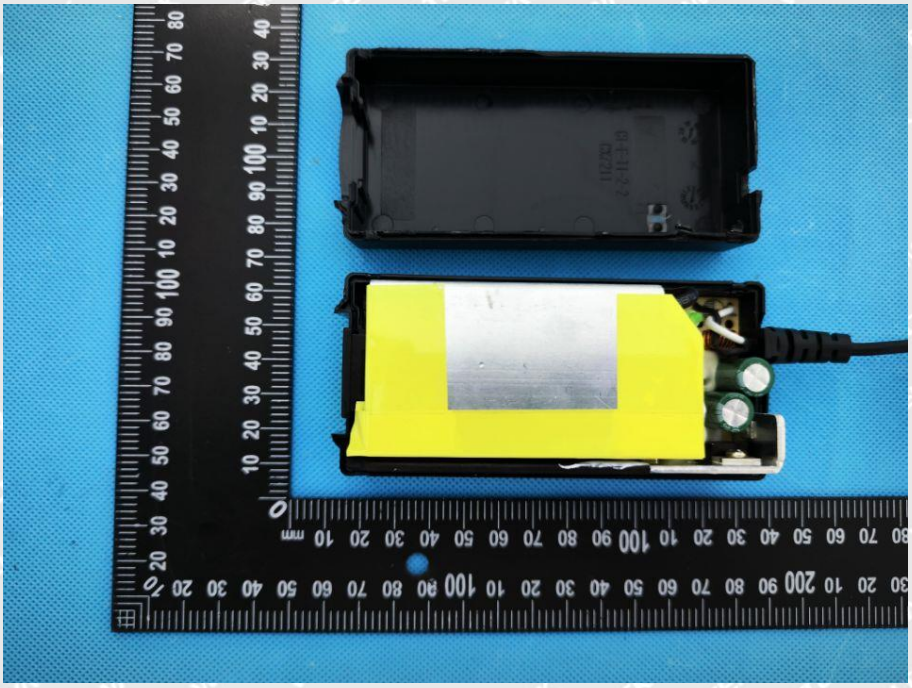
EUT View 27



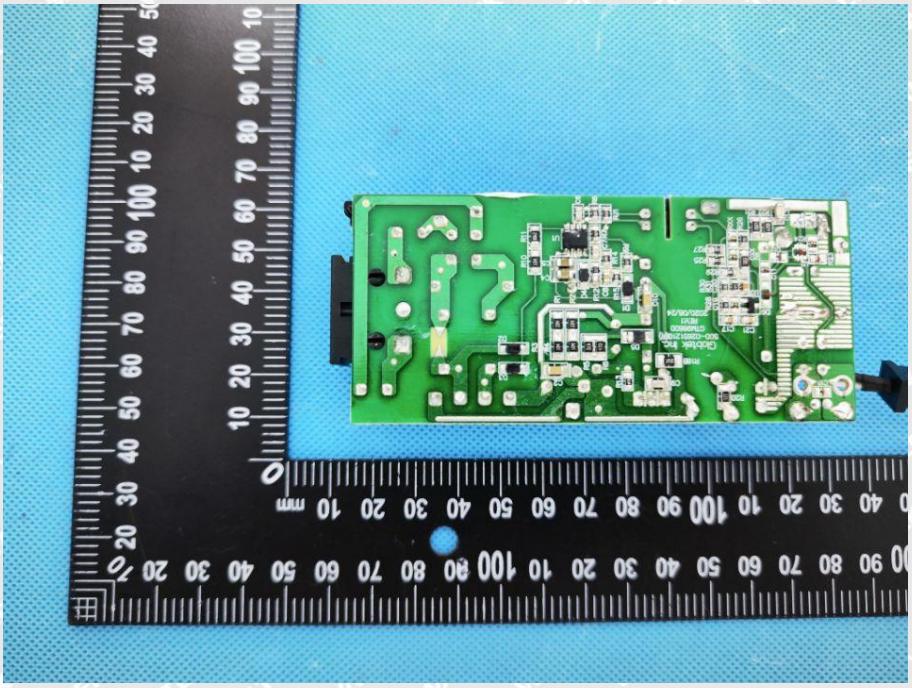
EUT View 28



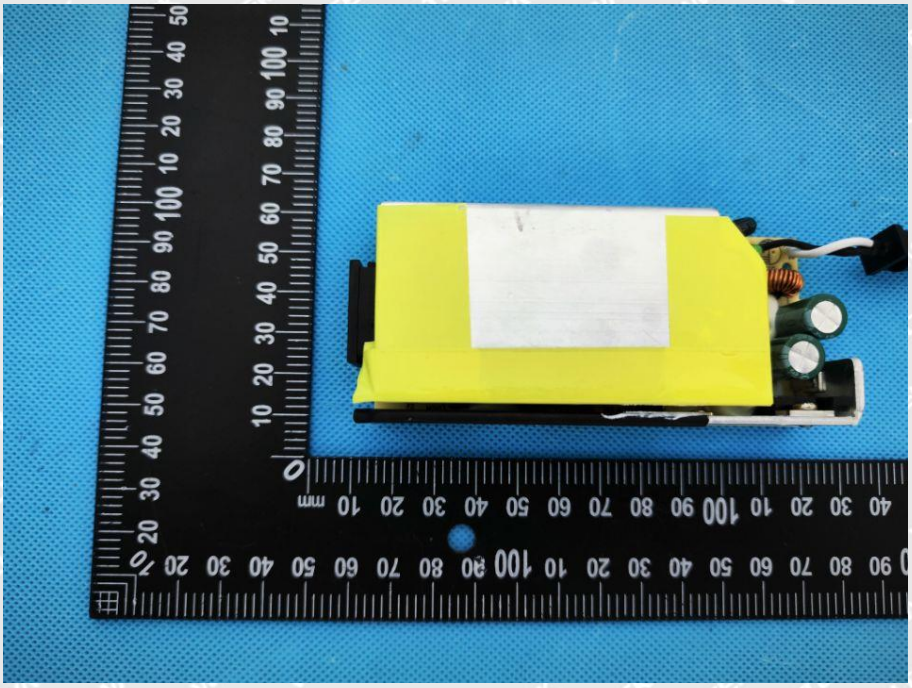
GTM96600-6030-R3A-CF(30V-2.0A)
EUT Housing and Board View 1



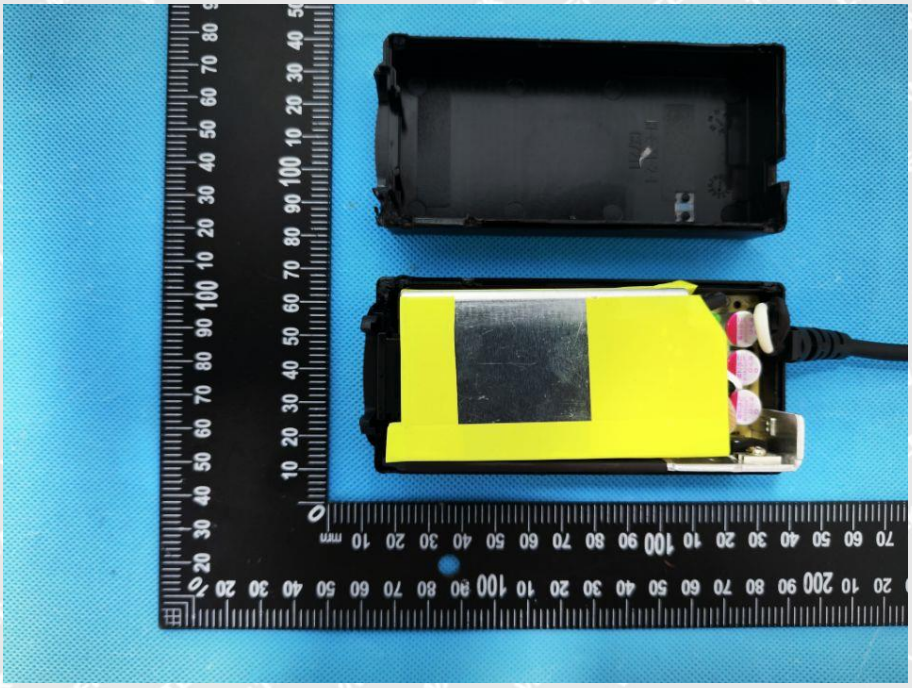
Solder Board-Component View 2



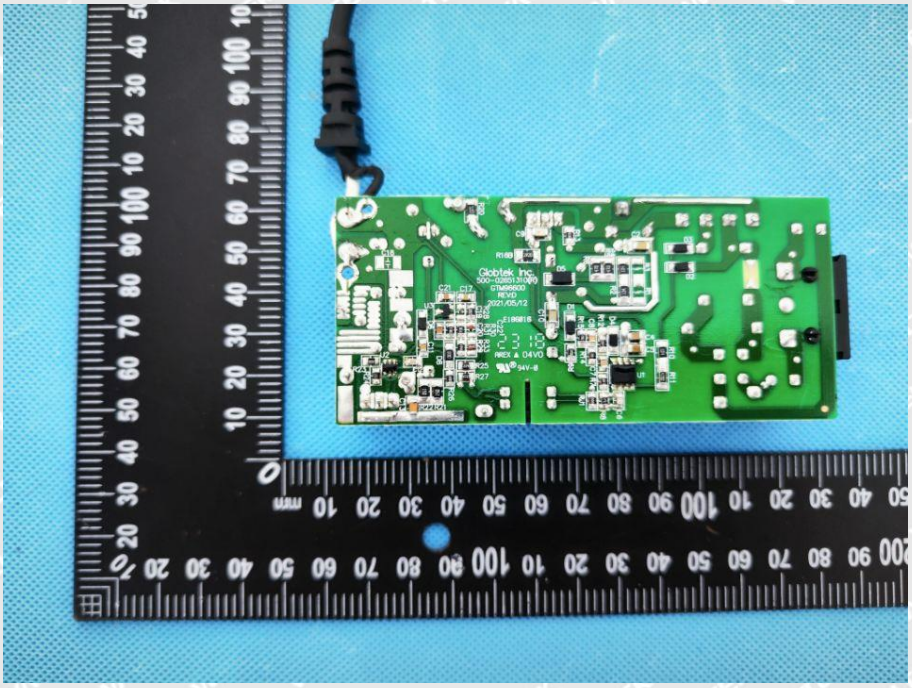
Solder Board-Component View 3



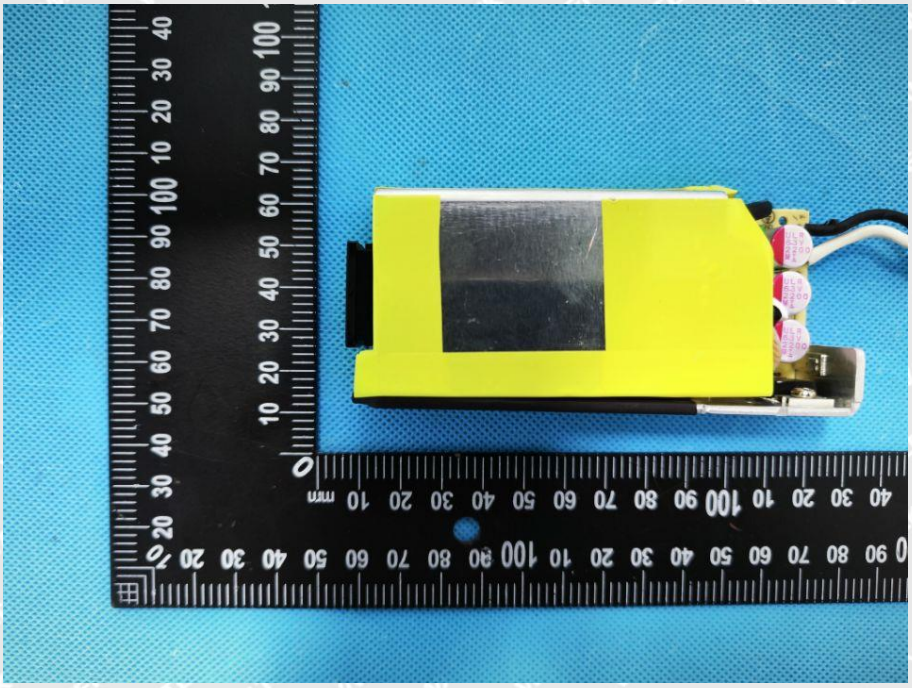
GTM96600-3005-R3A(5V-6A)
EUT Housing and Board View 4



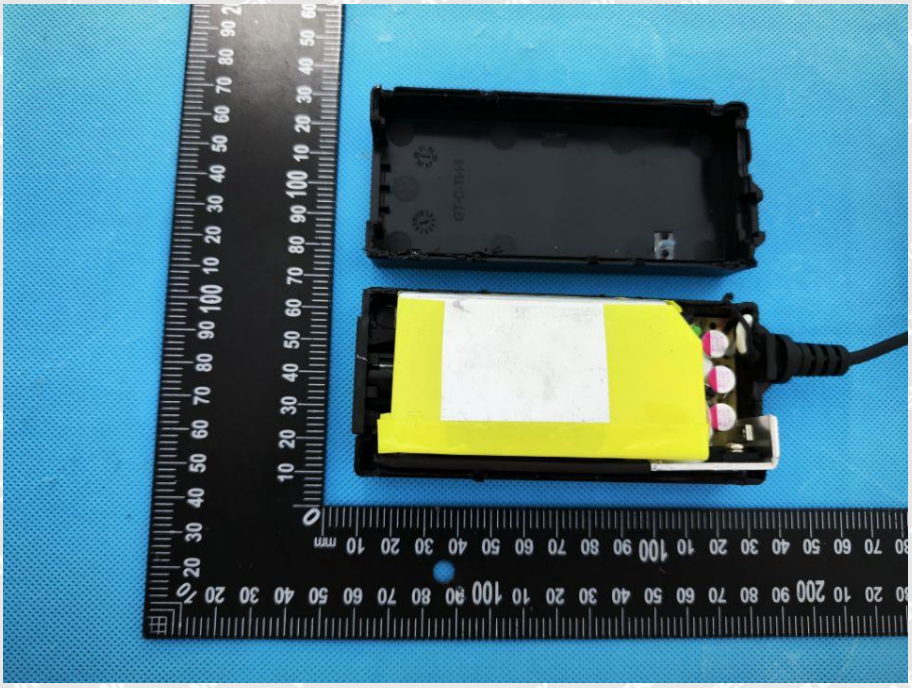
Solder Board-Component View 5



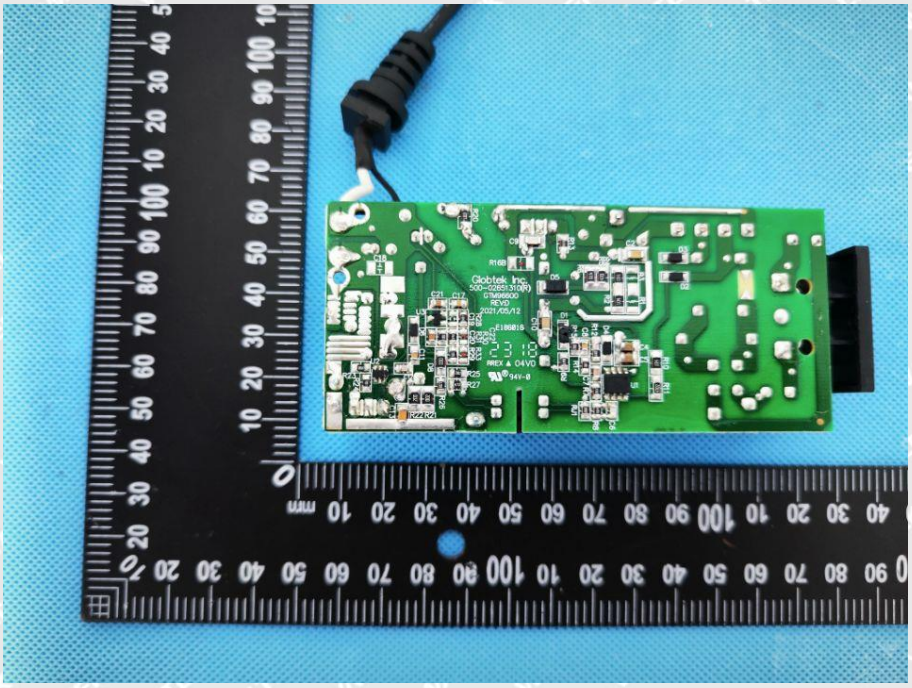
Solder Board-Component View 6



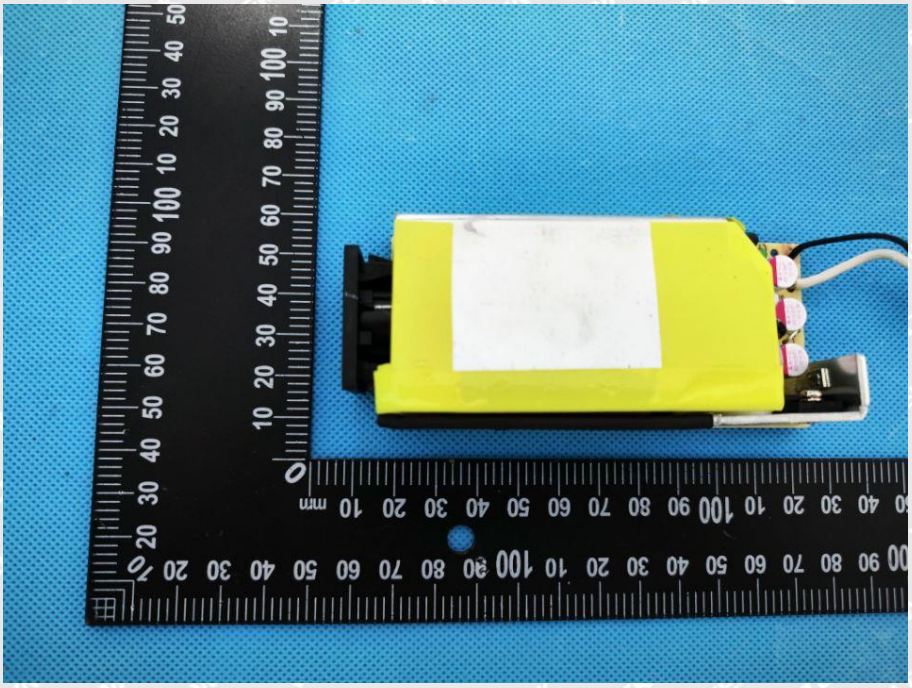
GTM96600-6512-T3A(12V-5.41A)
EUT Housing and Board View 7



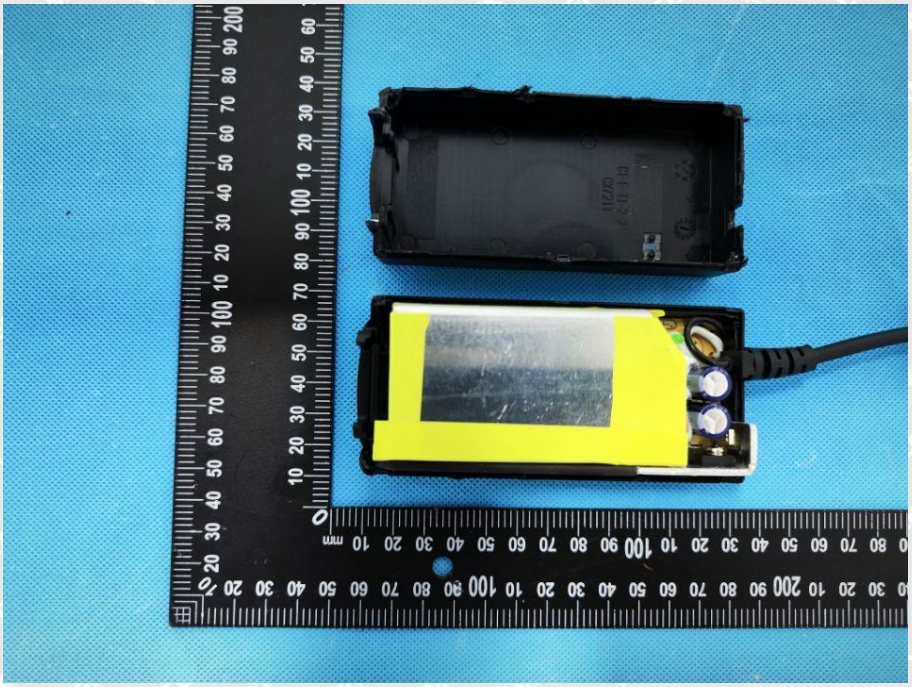
Solder Board-Component View 8



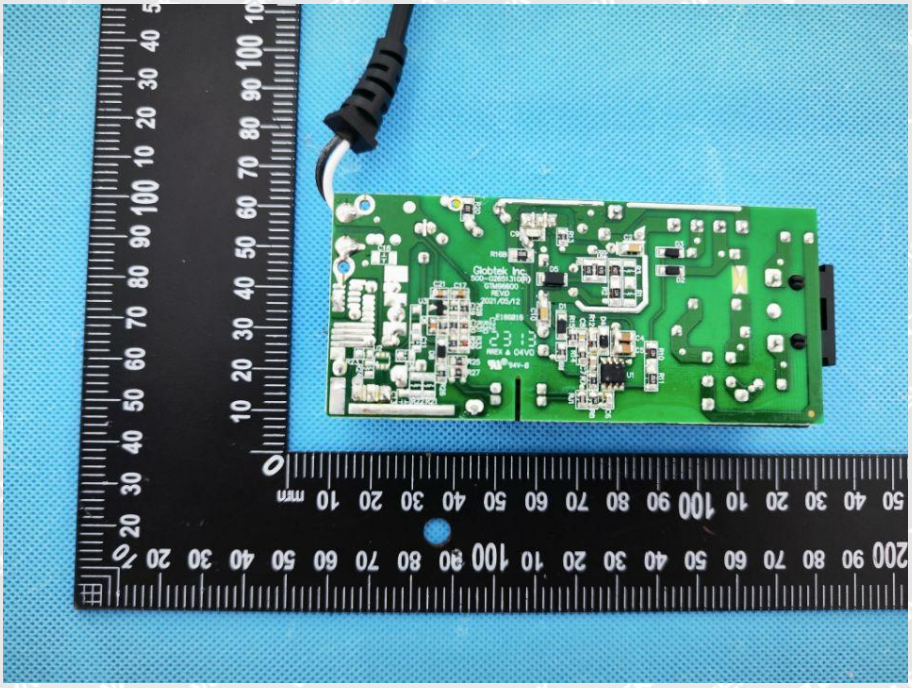
Solder Board-Component View 9



GTM96600-6054-R2(54V-1.11A)
EUT Housing and Board View 10



Solder Board-Component View 11



Solder Board-Component View 12

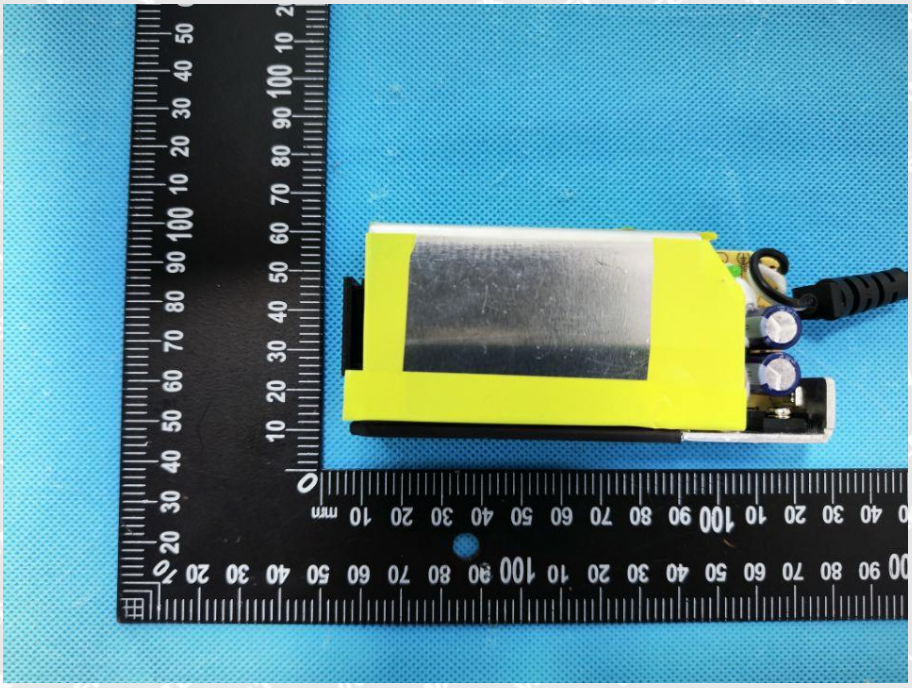
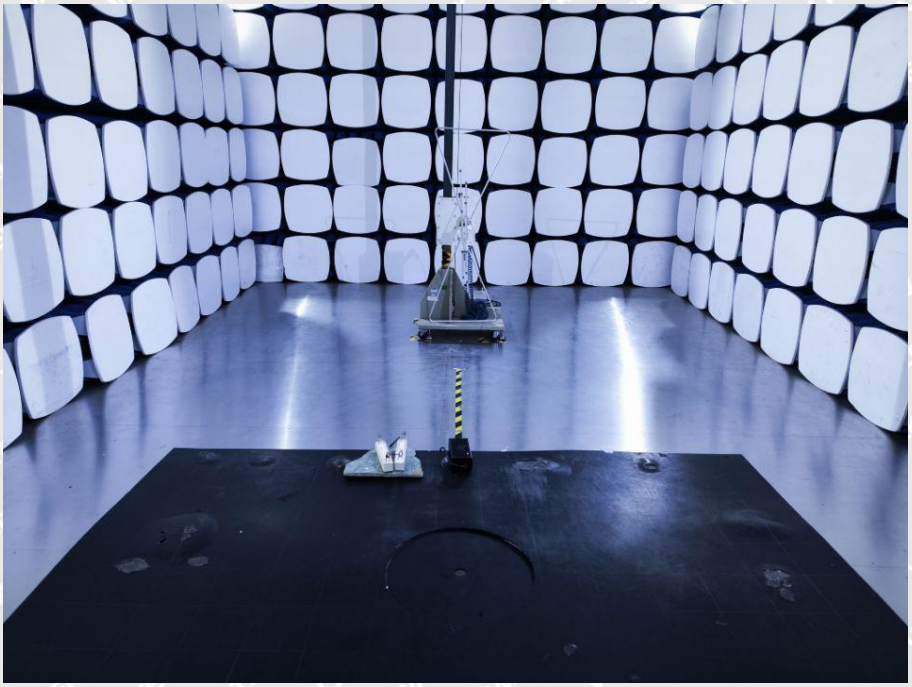


EXHIBIT 2 - TEST SETUP PHOTOGRAPHS

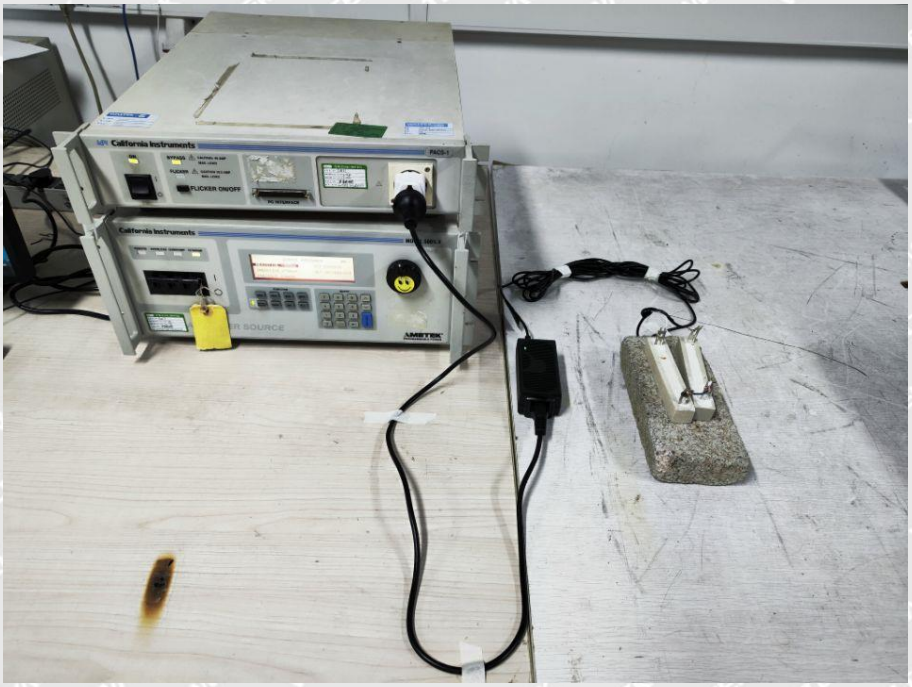
Conduction Emission Test View



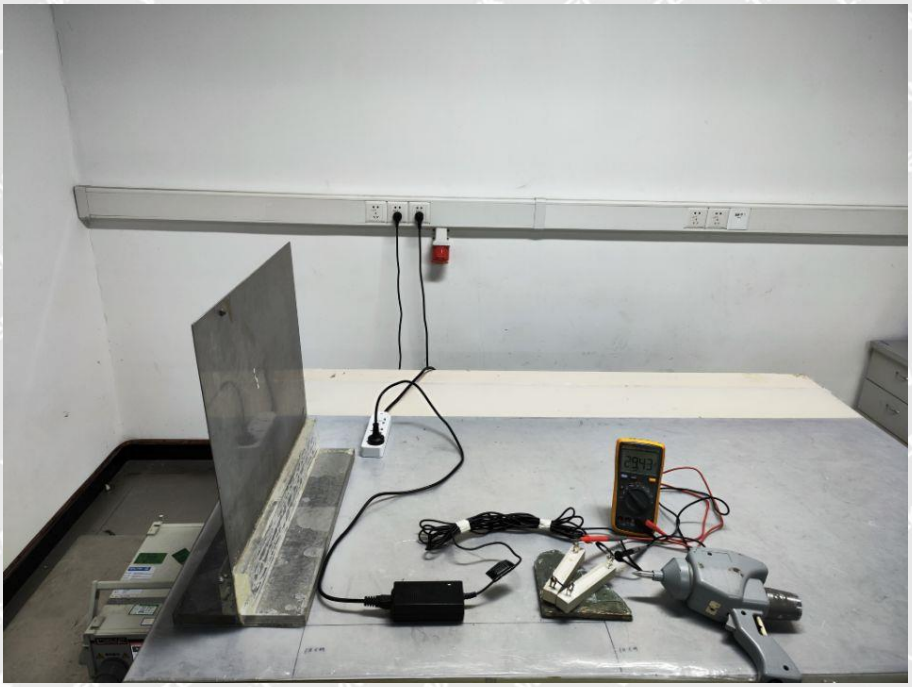
Radiation Emission Test View



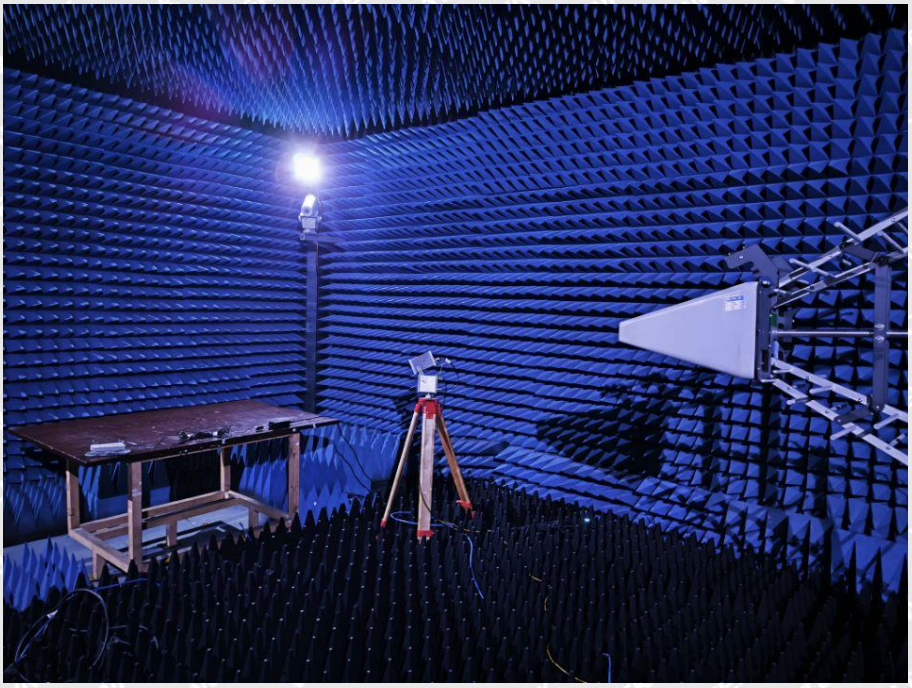
Harmonic/Flicker Test View



IEC 61000-4-2 Test View



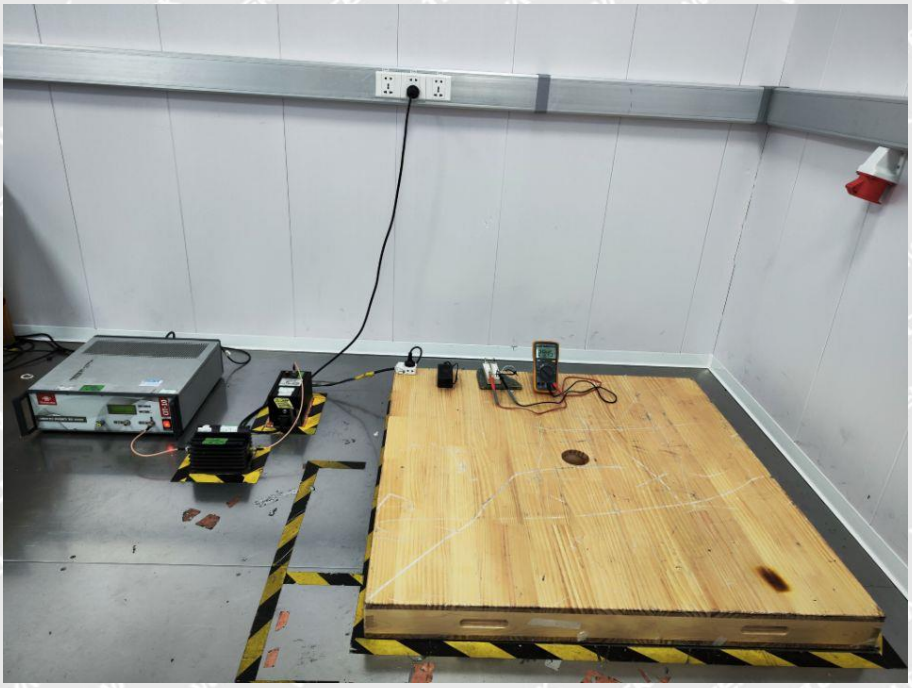
IEC 61000-4-3 Test View



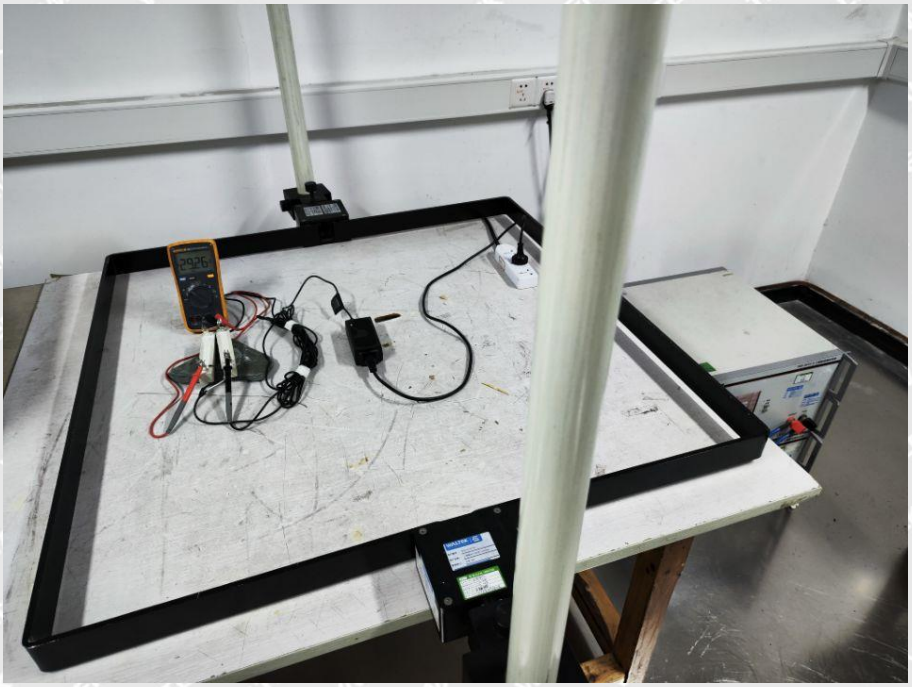
IEC 61000-4-4/5/11 Test View



IEC 61000-4-6 Test View



IEC 61000-4-8 Test View



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