
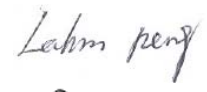



FCC Part 15B Measurement and Test Report

For

GlobTek, Inc.

186 Veterans Dr. Northvale, NJ 07647 USA

Report Concerns: Original Report	Equipment Type: Medical power supply/I.T.E power supply
Model:	<u>GTM91120-WVVV-X. X-YZ series</u>
Report No.:	<u>STR10088180E-3</u>
Test Date:	<u>2010-08-26 to 2010-08-31</u>
Issue Date:	<u>2010-09-01</u>
Test Engineer:	<u>Galy He</u> 
Reviewed By:	<u>Lahm Peng</u> 
Approved & Authorized By:	<u>Jandy so/PSQ Manager</u> 
Prepared By:	<p>SEM.Test Compliance Service Co., Ltd 3/F, Jinbao Commerce Building, Xin'an Fanshen Road, Bao'an District, Shenzhen, P.R.C. (518101) Tel.: +86-755-33663308 Fax.: +86-755-33663309 Website: www.semtest.com.cn</p>

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by SEM.Test Compliance Service Co., Ltd.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	GlobTek, Inc.
Address of applicant:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer1:	GlobTek, Inc.
Address of manufacturer1:	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer2:	GlobTek (Suzhou) Co., Ltd
Address of manufacturer2:	Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China

General Description of E.U.T

Items	Description
EUT Description:	Medical power supply/I.T.E. power supply
Trade Name:	GlobTek
Model No.:	GTM91120-WWVV-X. X-YZ series (See the following)
Rated Voltage:	AC 100-240V
Rated Current:	1.5A Max
Size:	9.6 x4.4 x3.0 cm
For more information refer to the circuit diagram form and the user's manual.	

GT(M)or-91120-WWVV-X.X-YZ series

"M" is for MED product, "-" is for I.T.E product;

WW is the rated output wattage designation, with a maximum value of "30";

VV is the standard rated output voltage designation, with a maximum value of "48";

-X.X denotes the optional deviation, subtracted or added from standard output voltage in 0.1 volt increments or blank to indicate the no voltage different;

Y designates physical configuration, T= External/Desktop model, F= Open Frame, P=Potted;

Z designates the input plug configuration or blank, 2 or W= Class II type, 3A or 3 or Blank = Class I type.

The test data is gathered from a production sample, provided by the manufacturer. The other model listed in the report has different appearance only of GTM91120-WWVV-X. X-YZ series without circuit and electronic construction changed, declared by the manufacturer

Notes:

- 1) Structures 1, 2 and 3 are only applicable to Class I versions.*
- 2) Structure 1 means earth ground is tied to the secondary common.*
- 3) Structure 2 means a 220pf Y2 safety capacitor is connected between the earth ground pin of the AC inlet and the Negative pin of the primary side bulk capacitor C1.*
- 4) Structure 3 means a 1nf Y1 type safety capacitor is connected between the earth ground pin and the secondary common.*

1.2 Test Standards

The following report is prepared on behalf of the GlobTek, Inc. in accordance with Part 2, Subpart J, and Part 15, Subparts A and B of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC Part 15, Subpart B, and section 15.205, 15.107, and 15.109 rules.

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

1.3 Related Submittal(s)/Grant(s)

No Related Submittal(s).

1.4 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the Operating Instructions.

1.5 Test Facility

FCC – Registration No.: **994117**
 SEM.Test Compliance Services Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 994117.

Industry Canada (IC) Registration No.: **7673A**

The 3m Semi-anechoic chamber of SEM.Test Compliance Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 7673A.

1.6 EUT Exercise Software

The EUT exercise program used during the testing was designed to exercise the system components.

1.7 Accessories Equipment List and Details

Description	Manufacturer	Model	Serial Number
/	/	/	/

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
AC Cable	1.0	Unshielded	Without Core

1.8 EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
DC Cable	1.5	Unshielded	Without Core

SEM. Test Compliance

2. SUMMARY OF TEST RESULTS

Description of Test	Result
§15.107 (a) Conducted Emission	Compliant
§15.109(a) Radiated Emission	Compliant

SEM. Test Compliance

3. §15.107 (a) CONDUCTED EMISSIONS

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 is ± 2.88 dB.

3.2 Test Equipment List and Details

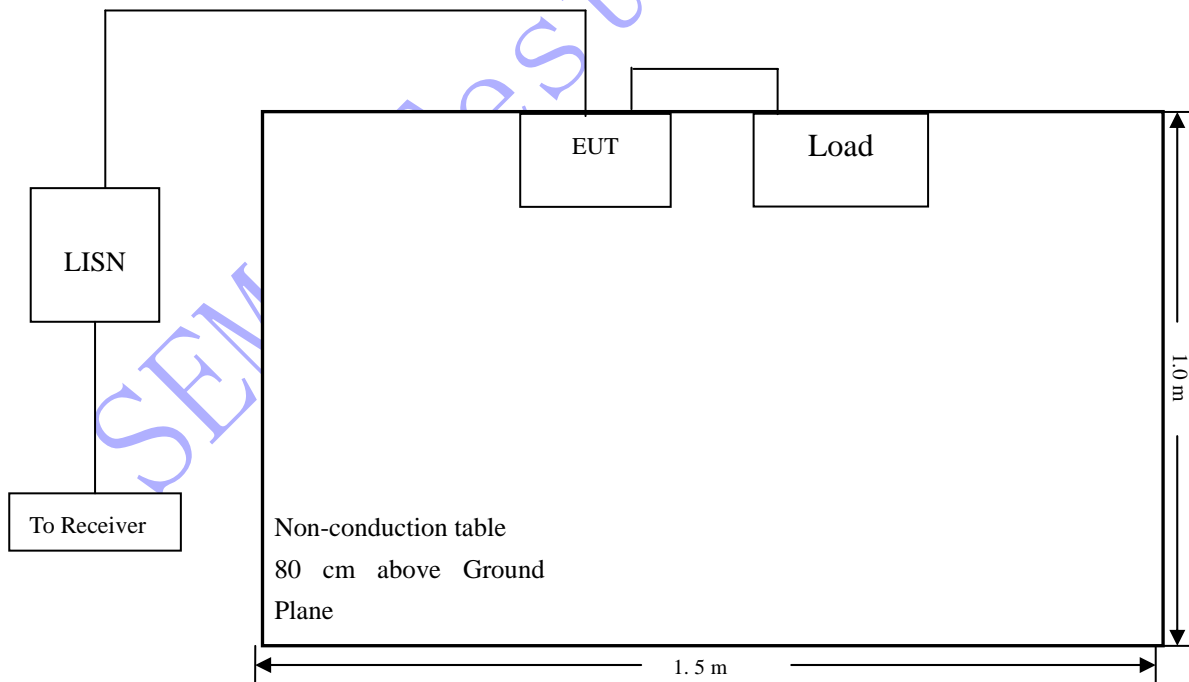
Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2010-08-12	2011-08-11
L.I.S.N	Schwarz beck	NSLK8126	8126-224	2010-08-12	2011-08-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2010-08-12	2011-08-11

Statement of Traceability: All calibrations have been performed per the NVLAP requirements traceable to the NIST.

3.3 Test Procedure

Test is conducting under the description of ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

3.4 Basic Test Setup Block Diagram



3.5 Environmental Conditions

Temperature:	23 °C
Relative Humidity:	52%
ATM Pressure:	1011 mbar

3.6 Summary of Test Results/Plots

According to the data in section 3.7, the EUT complied with the FCC 15.107 Conducted margin for a Class B device, with the *worst* margin reading of:

-3.52 dB μ V at **0.254 MHz** in the line Model **GT(M)or-91120-3048-T2**, Ave detector, 0.15-30MHz

3.7 Conducted Emissions Test Data

SEM. Test Compliance

Plot of Conducted Emissions Test Data

Conducted Disturbance

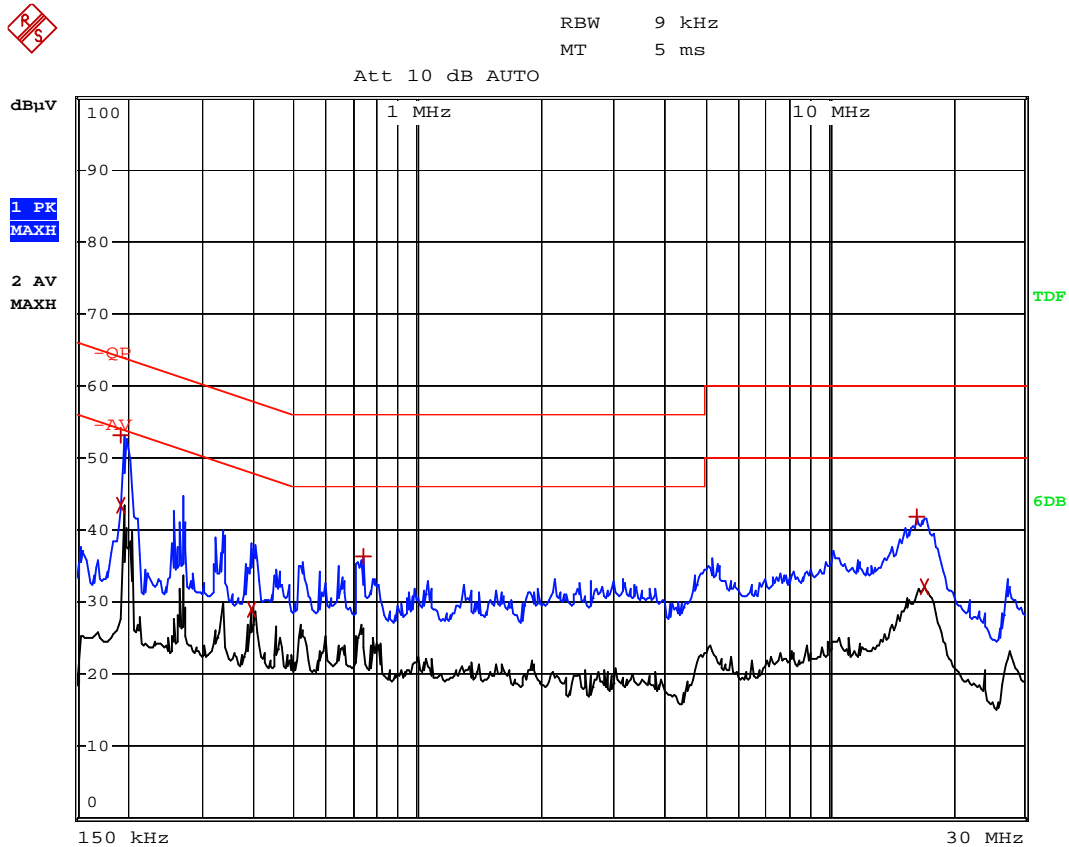
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-P2

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:		-QP	
Trace2:		-AV	
Trace3:		---	
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	194 kHz	53.04	-10.81
2 Average	194 kHz	43.46	-10.39
2 Average	394 kHz	28.92	-19.05
1 Max Peak	742 kHz	36.37	-19.62
1 Max Peak	16.434 MHz	41.89	-18.10
2 Average	17.178 MHz	32.08	-17.91

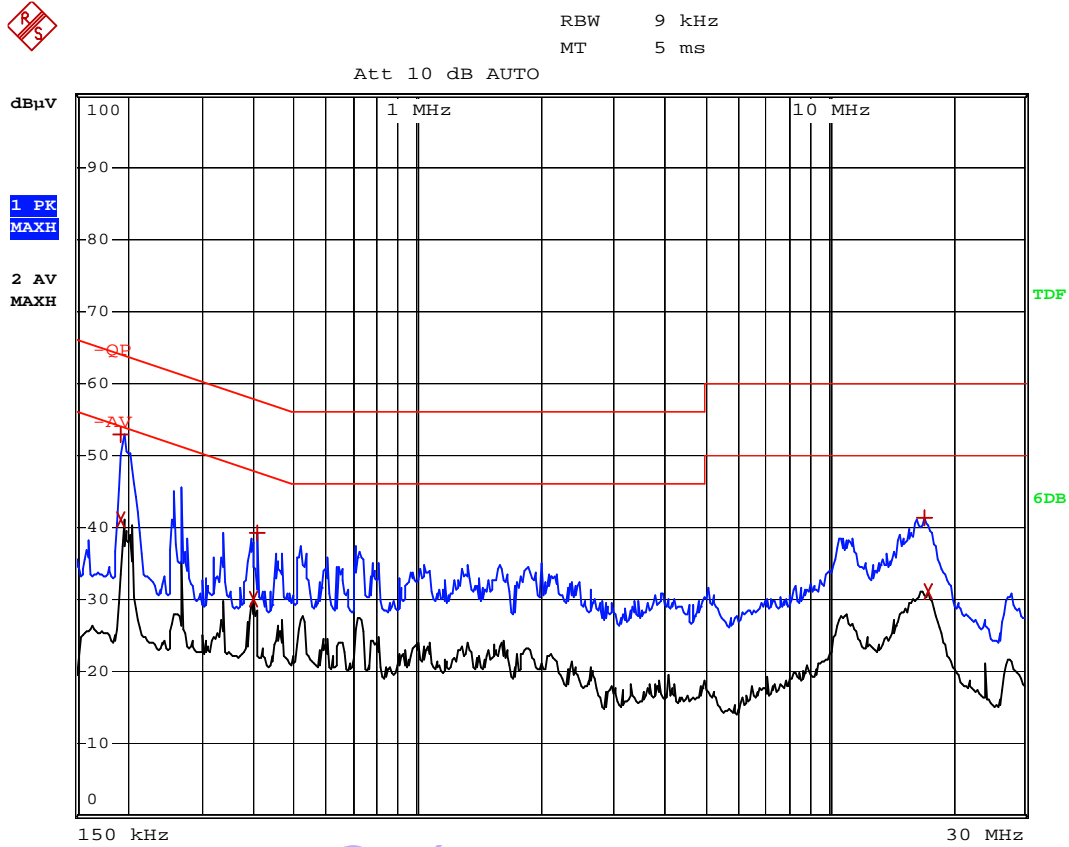
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-P2

Operating Condition: Full Load

Test Specification: L

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Max Peak	194 kHz	52.98	-10.88
2 Average	194 kHz	41.15	-12.71
2 Average	398 kHz	30.04	-17.84
1 Max Peak	406 kHz	39.22	-18.51
1 Max Peak	17.186 MHz	41.21	-18.78
2 Average	17.426 MHz	31.16	-18.83

Plot of Conducted Emissions Test Data

Conducted Disturbance

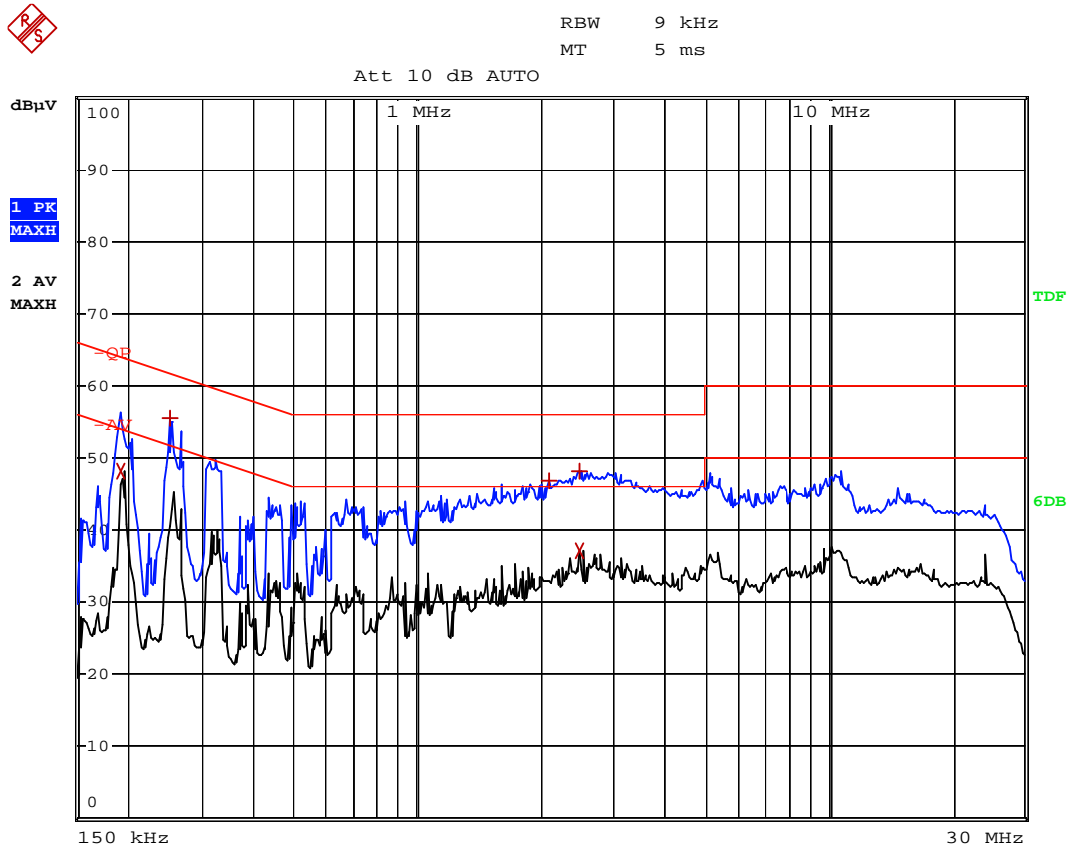
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3048-T2

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL, dBµV	DELTA LIMIT dB
2 Average	194 kHz	48.16	-5.69
1 Max Peak	250 kHz	55.43	-6.32
1 Max Peak	2.094 MHz	46.74	-9.25
1 Max Peak	2.474 MHz	48.20	-7.79
2 Average	2.474 MHz	37.14	-8.85

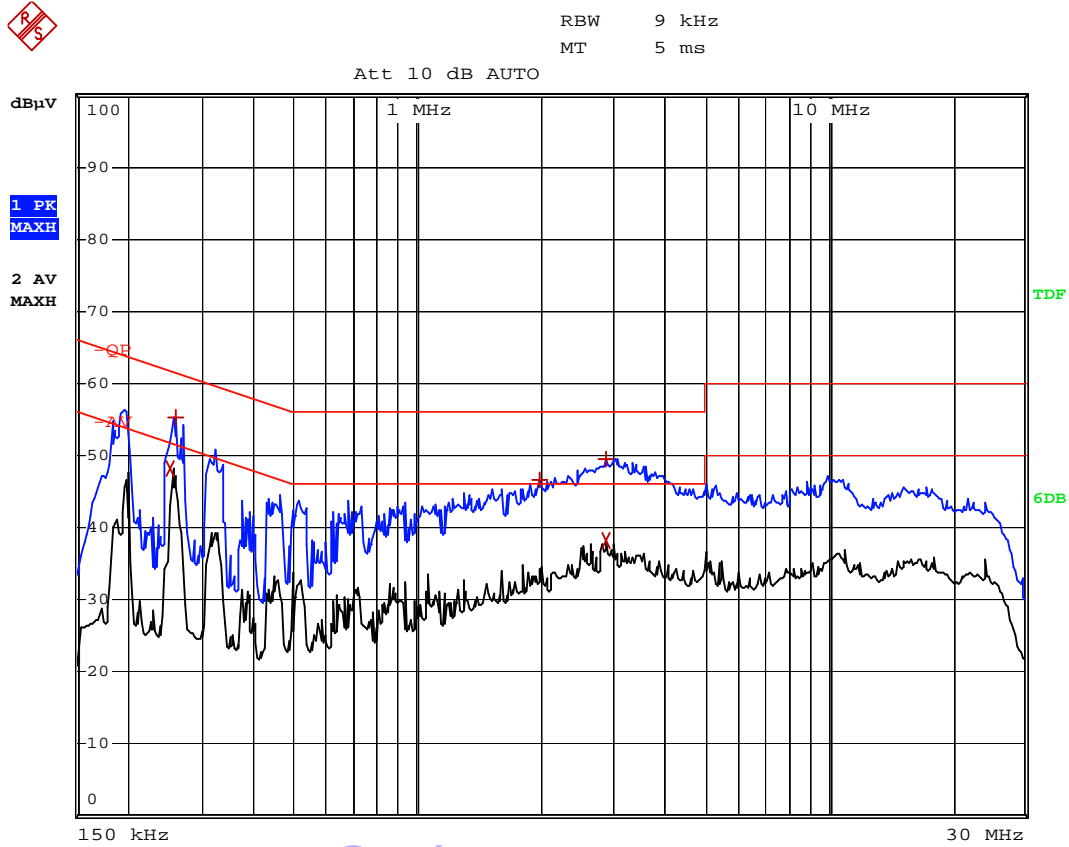
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3048-T2

Operating Condition: Full Load

Test Specification: L

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
2 Average	254 kHz	48.10	-3.52
1 Max Peak	258 kHz	55.15	-6.34
1 Max Peak	1.998 MHz	46.70	-9.29
1 Max Peak	2.874 MHz	49.53	-6.46
2 Average	2.874 MHz	38.15	-7.84

Plot of Conducted Emissions Test Data

Conducted Disturbance

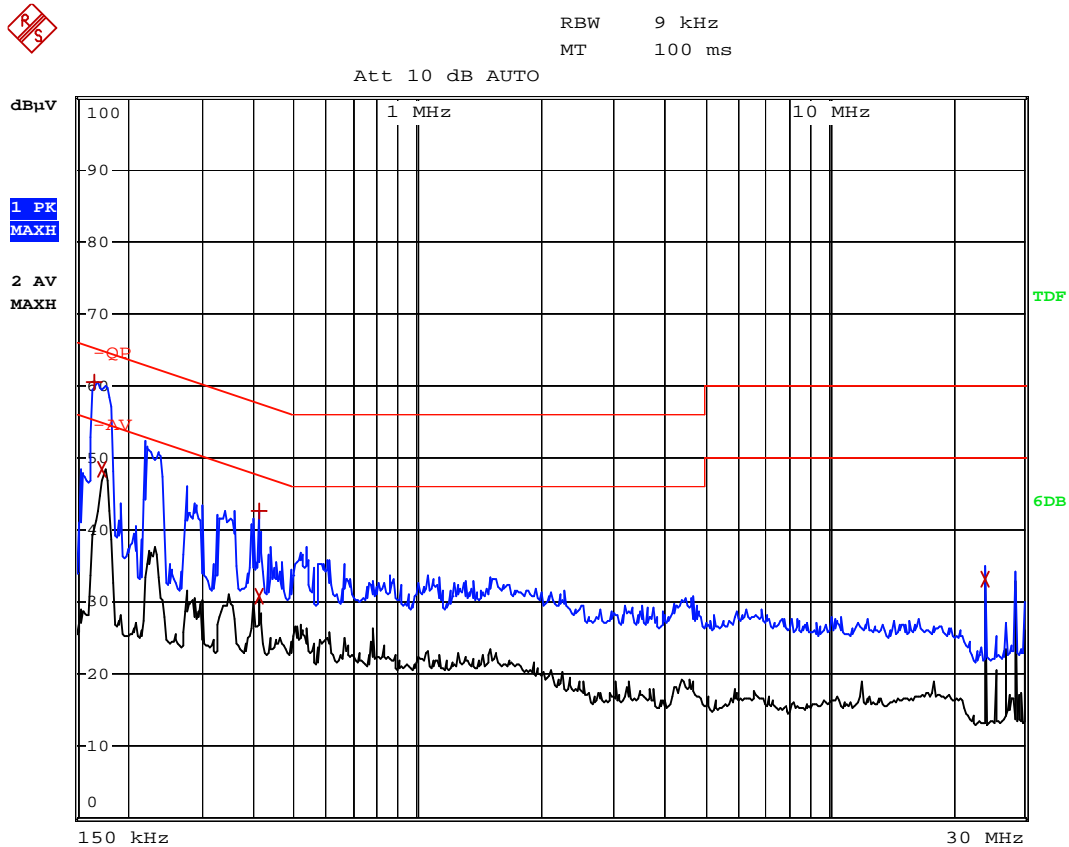
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-FW

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	166 kHz	60.55	-4.60
2 Average	174 kHz	48.30	-6.46
1 Max Peak	410 kHz	42.74	-14.90
2 Average	410 kHz	30.92	-16.72
2 Average	23.986 MHz	33.22	-16.77

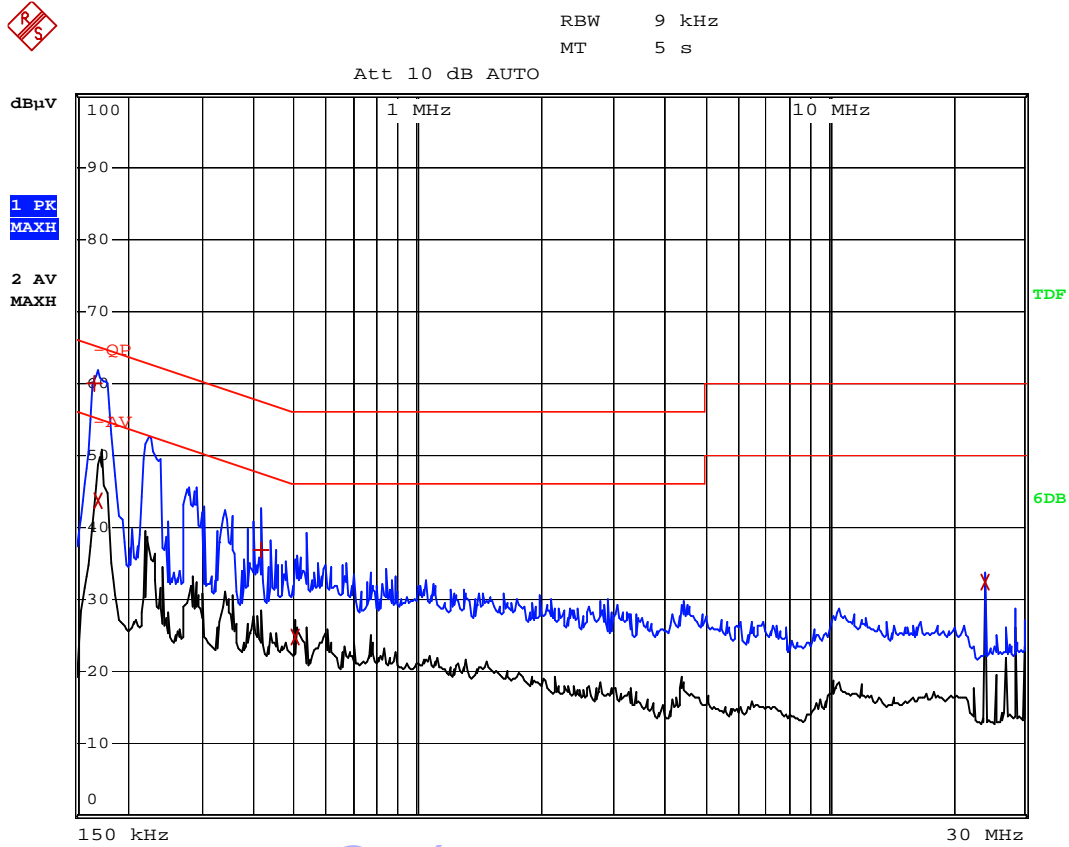
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-FW

Operating Condition: Full Load

Test Specification: L

Comment: AC 120V



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Quasi Peak	166 kHz	59.64	-5.51
2 Average	170 kHz	43.39	-11.56
1 Quasi Peak	414 kHz	37.08	-20.48
2 Average	502 kHz	24.97	-21.02
2 Average	23.986 MHz	32.58	-17.41

Plot of Conducted Emissions Test Data

Conducted Disturbance

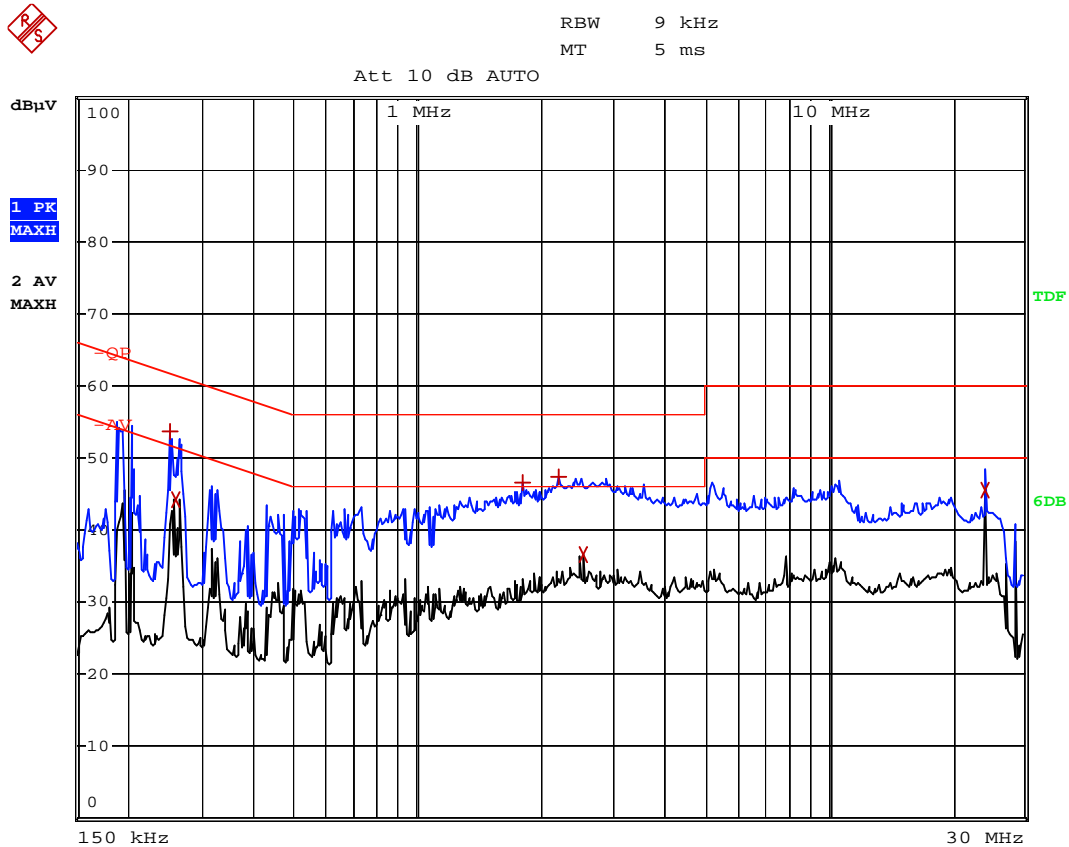
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3048-T3A(structure 1)

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	250 kHz	53.65	-8.10
2 Average	262 kHz	44.28	-7.08
1 Max Peak	1.81 MHz	46.47	-9.52
1 Max Peak	2.21 MHz	47.50	-8.49
2 Average	2.53 MHz	36.66	-9.33
2 Average	23.986 MHz	45.46	-4.53

EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3048-T3A(structure 1)

Operating Condition: Full Load

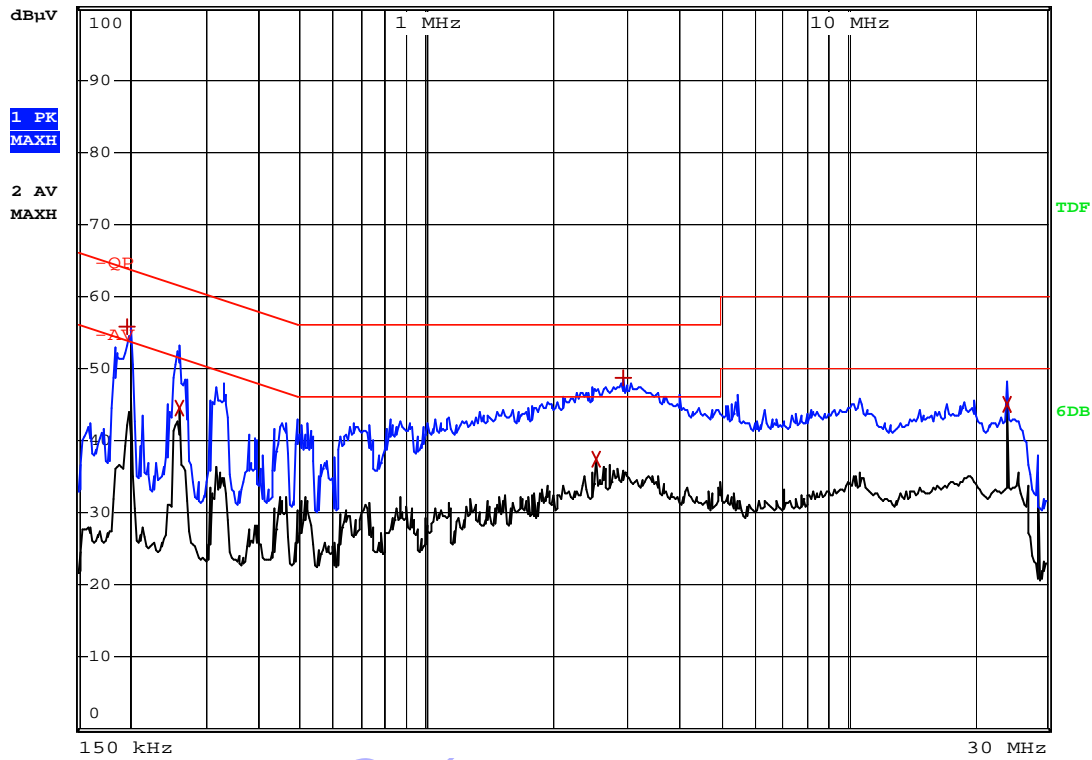
Test Specification: L

Comment: AC 120V



RBW 9 kHz
MT 5 ms

Att 10 dB AUTO



EDIT PEAK LIST (Prescan Results)			
Trace1:		-QP	
Trace2:		-AV	
Trace3:		---	
TRACE		FREQUENCY	LEVEL dBµV
1	Max Peak	198 kHz	55.81
2	Average	258 kHz	44.57
2	Average	2.542 MHz	37.30
1	Max Peak	2.946 MHz	48.72
2	Average	23.986 MHz	45.08

Plot of Conducted Emissions Test Data

Conducted Disturbance

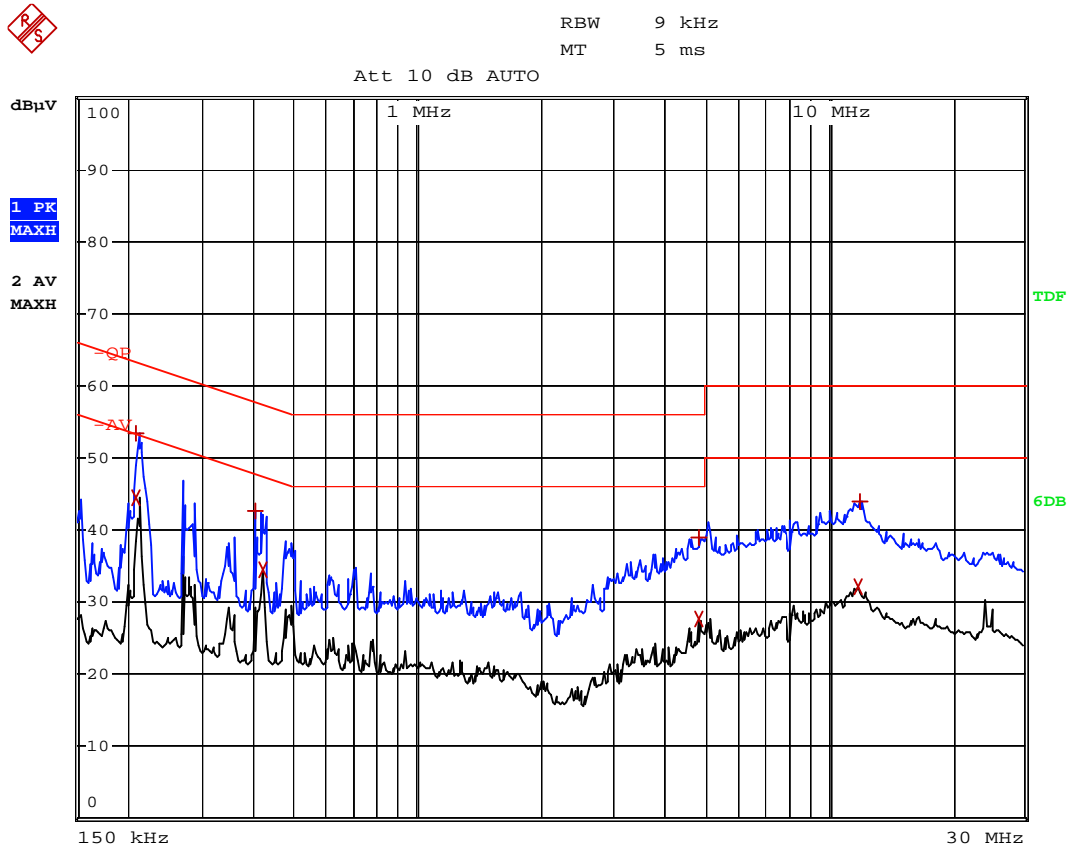
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-T3A(structure 1)

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)				
Trace1:		-QP		
Trace2:		-AV		
Trace3:		---		
TRACE		FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1	Max Peak	210 kHz	53.51	-9.69
2	Average	210 kHz	44.58	-8.62
1	Max Peak	402 kHz	42.71	-15.09
2	Average	418 kHz	34.40	-13.07
1	Max Peak	4.842 MHz	39.09	-16.90
2	Average	4.842 MHz	27.77	-18.22
2	Average	11.798 MHz	32.06	-17.93
1	Max Peak	11.866 MHz	43.94	-16.05

EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-T3A(structure 1)

Operating Condition: Full Load

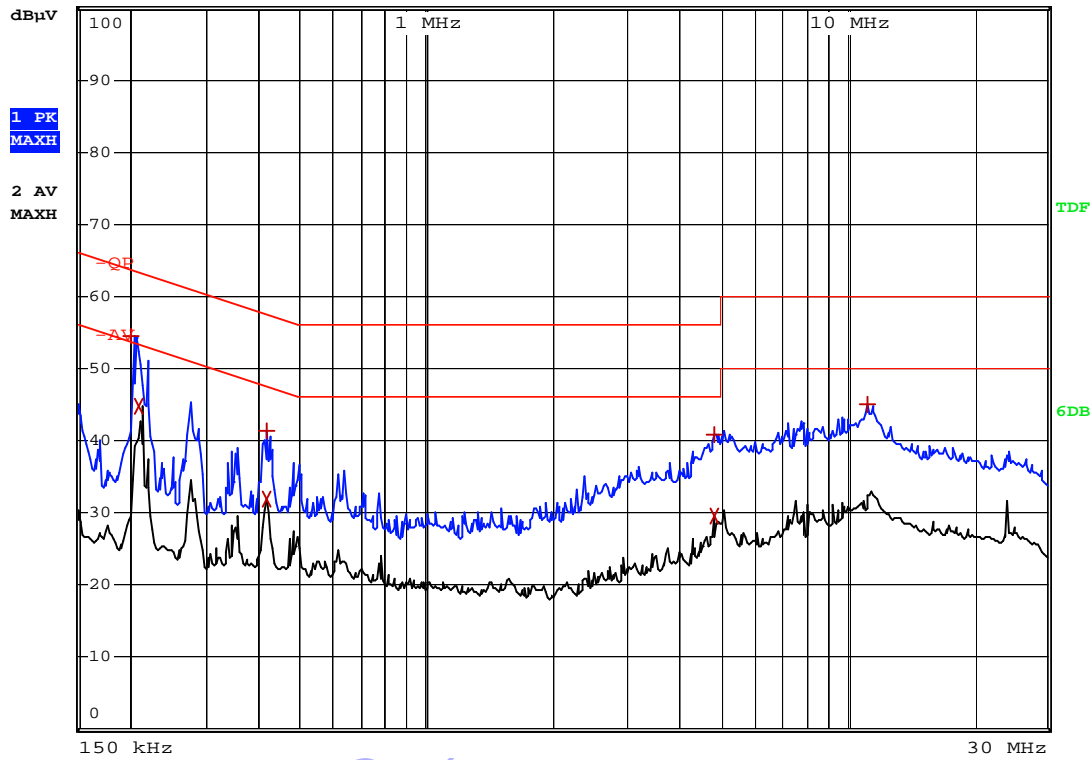
Test Specification: L

Comment: AC 120V



RBW 9 kHz
MT 5 ms

Att 10 dB AUTO



EDIT PEAK LIST (Prescan Results)				
Trace1:		-QP		
Trace2:		-AV		
Trace3:		---		
TRACE		FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1	Max Peak	202 kHz	54.47	-9.05
2	Average	210 kHz	44.74	-8.46
1	Max Peak	414 kHz	41.31	-16.25
2	Average	414 kHz	31.86	-15.70
2	Average	4.83 MHz	29.63	-16.36
1	Max Peak	4.858 MHz	40.85	-15.14
1	Max Peak	11.242 MHz	44.98	-15.01

Plot of Conducted Emissions Test Data

Conducted Disturbance

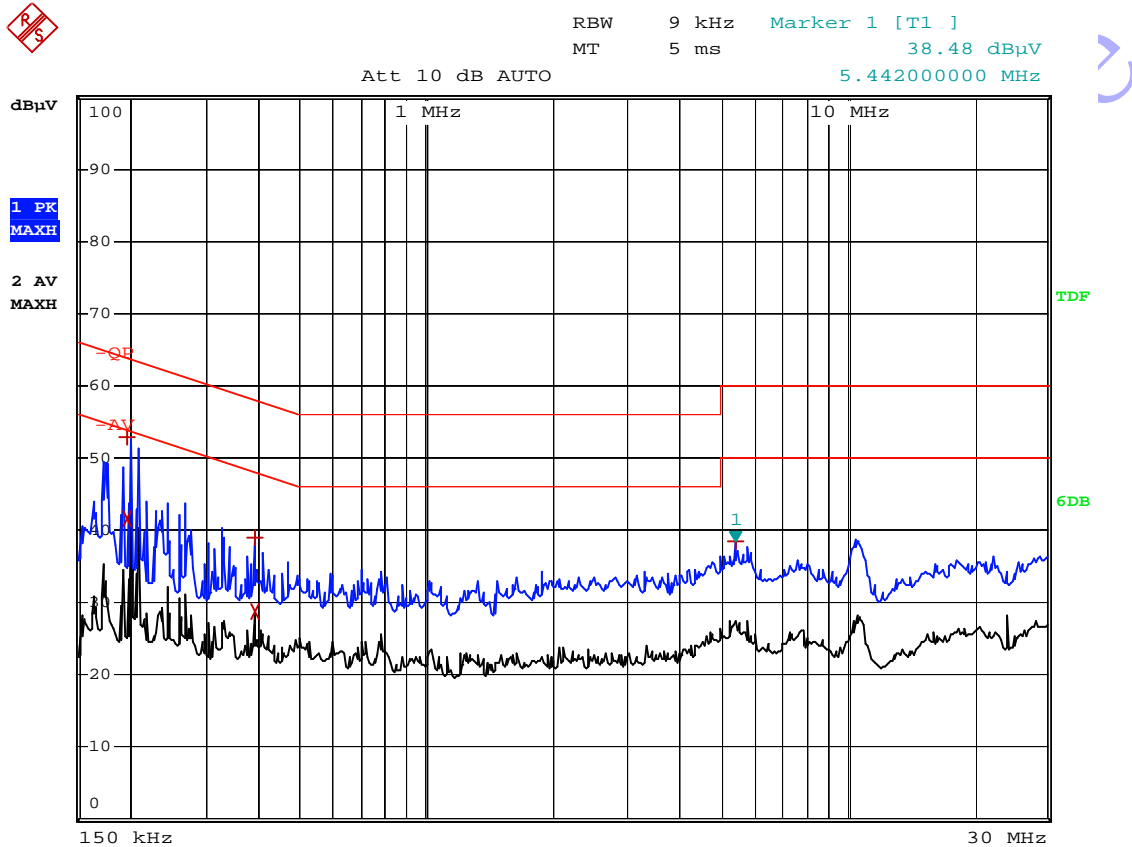
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-T3A(structure 2)

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:		-QP	
Trace2:		-AV	
Trace3:		---	
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	198 kHz	52.91	-10.78
2 Average	198 kHz	41.47	-12.22
1 Max Peak	390 kHz	38.87	-19.18
2 Average	390 kHz	28.82	-19.23
1 Max Peak	5.442 MHz	38.47	-21.52

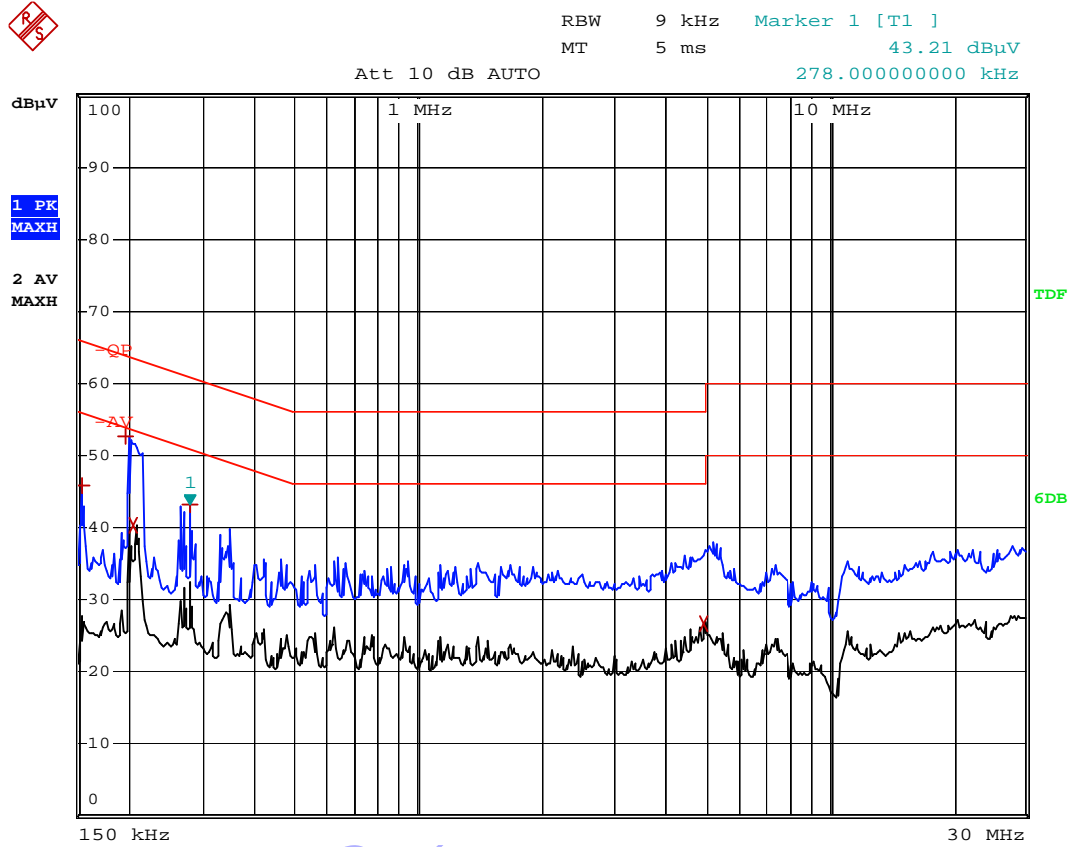
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-T3A(structure 2)

Operating Condition: Full Load

Test Specification: L

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Max Peak	154 kHz	45.90	-19.87
1 Max Peak	198 kHz	52.56	-11.13
2 Average	206 kHz	40.27	-13.09
1 Max Peak	278 kHz	43.20	-17.66
2 Average	4.962 MHz	26.66	-19.33

Plot of Conducted Emissions Test Data

Conducted Disturbance

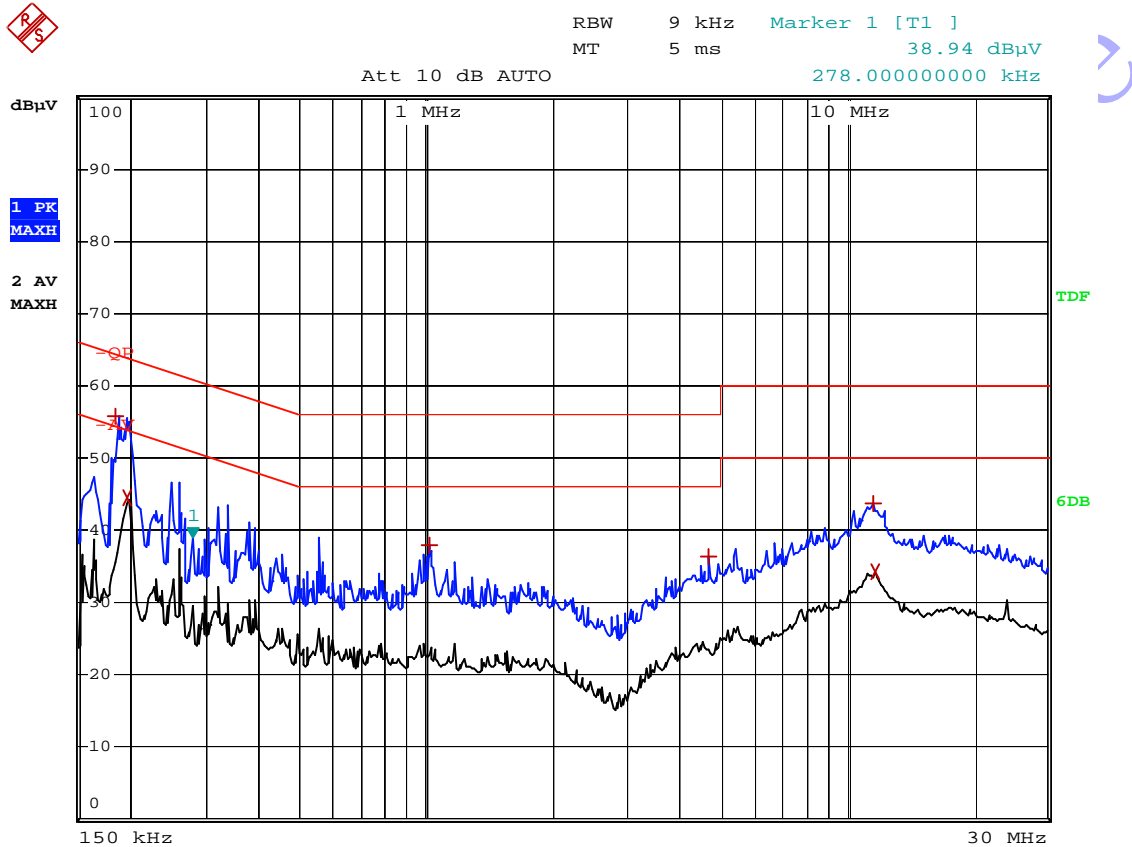
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-T3A(structure 3)

Operating Condition: Full Load

Test Specification: N

Comment: AC 120V



ST

EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	186 kHz	55.86	-8.34
2 Average	198 kHz	44.56	-9.12
1 Max Peak	1.022 MHz	37.91	-18.08
1 Max Peak	4.702 MHz	36.40	-19.59
1 Max Peak	11.574 MHz	43.58	-16.41
2 Average	11.698 MHz	34.17	-15.82

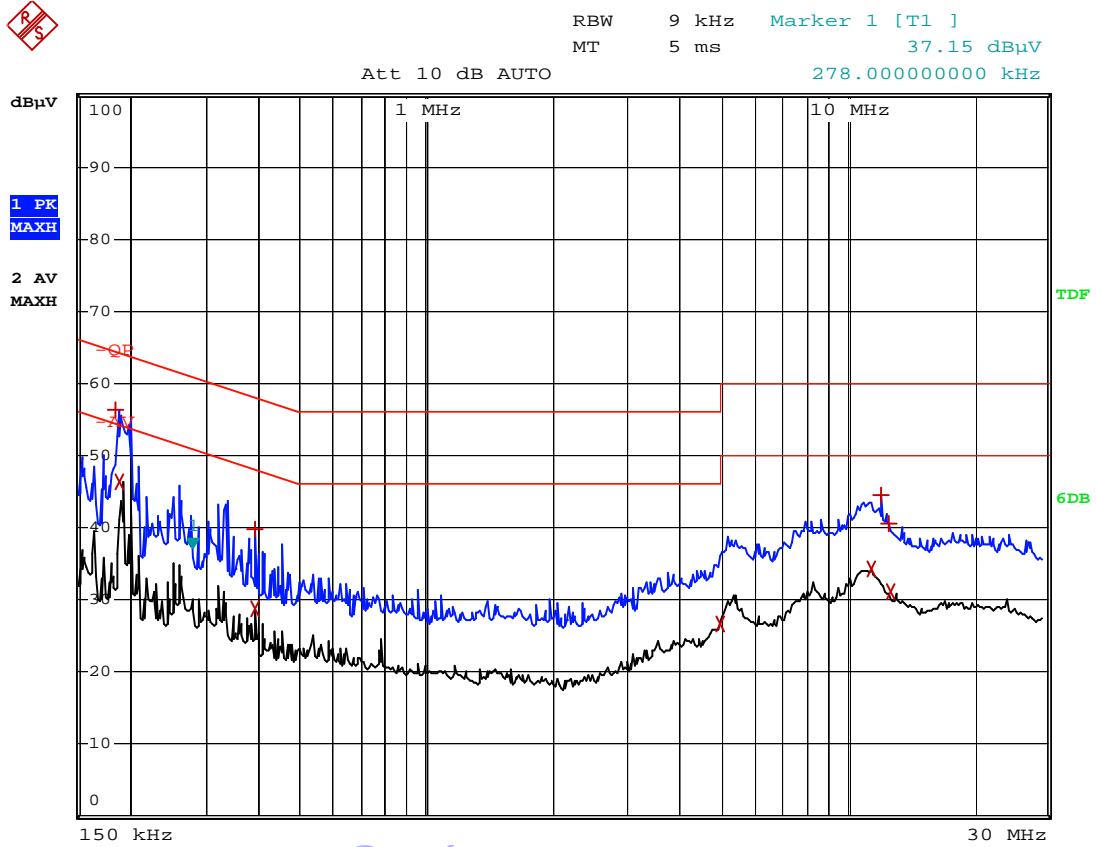
EUT: Medical power supply/I.T.E power supply

M/N: GT(M)or-91120-3005-T3A(structure 3)

Operating Condition: Full Load

Test Specification: L

Comment: AC 120V



EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Max Peak	186 kHz	56.42	-7.78
2 Average	190 kHz	46.25	-7.78
1 Max Peak	390 kHz	39.77	-18.29
2 Average	390 kHz	28.68	-19.37
2 Average	4.994 MHz	26.65	-19.34
2 Average	11.398 MHz	34.13	-15.86
1 Max Peak	11.998 MHz	44.53	-15.46
1 Max Peak	12.518 MHz	40.63	-19.36
2 Average	12.774 MHz	31.08	-18.91

4. §15.109(a)- 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 is ± 5.10 dB.

4.2 Test Equipment List and Details

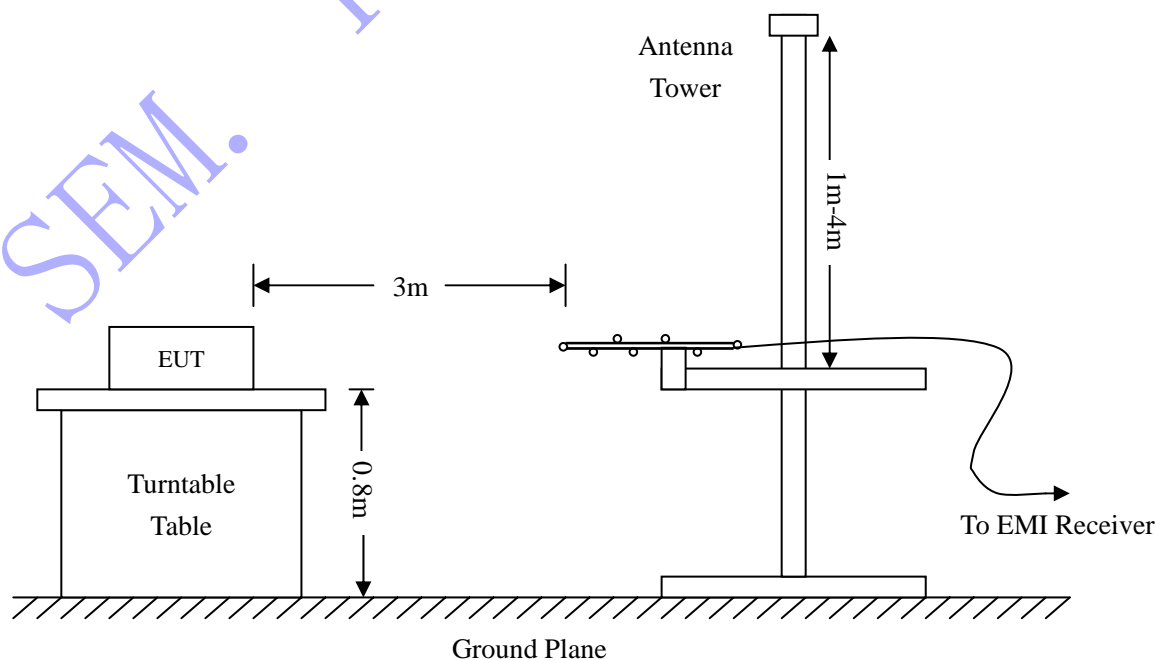
Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2010-04-16	2011-04-15
EMI Test Receiver	R&S	ESVB	825471/005	2010-08-12	2011-08-11
Positioning Controller	C&C	CC-C-1F	N/A	2010-08-12	2011-08-11
RF Switch	EM	EMSW18	SW060023	2010-08-12	2011-08-11
Pre-amplifier	Agilent	8447F	3113A06717	2010-08-12	2011-08-11
Pre-amplifier	Compliance Direction	PAP-0118	24002	2010-08-12	2011-08-11
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2010-07-21	2011-07-20
Horn Antenna	ETS	3117	00086197	2010-07-21	2011-07-20

4.3 Test Procedure

The setup of EUT is according with per ANSI C63.4-2009 measurement procedure. The specification used was with the FCC Part 15.109 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.



4.4 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

- Start Frequency 30 MHz
- Stop Frequency..... 1000 MHz
- Sweep Speed Auto
- IF Bandwidth..... 10 kHz
- Quasi-Peak Adapter Bandwidth 120 kHz
- Quasi-Peak Adapter Mode Normal

4.5 Corrected Amplitude & Margin Calculation

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

$$\text{Corr. Ampl.} = \text{Indicated Reading} - \text{Corr. Factor}$$

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. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15B Limit}$$

4.6 Environmental Conditions

Temperature:	23 °C
Relative Humidity:	55 %
ATM Pressure:	1011 mbar

4.7 Summary of Test Results/Plots

According to the data, the EUT complied with the FCC 15B Class B standards, and had the worst margin of:

**-2.09 dBμV at 31.5095 MHz in the Vertical polarization, Model GT(M)or-91120-3005-T3A(structure 2),
30 MHz to 1 GHz, 3Meters**

Plot of Radiation Emissions Test

Radiated Emission

EUT: Medical power supply/I.T.E power supply

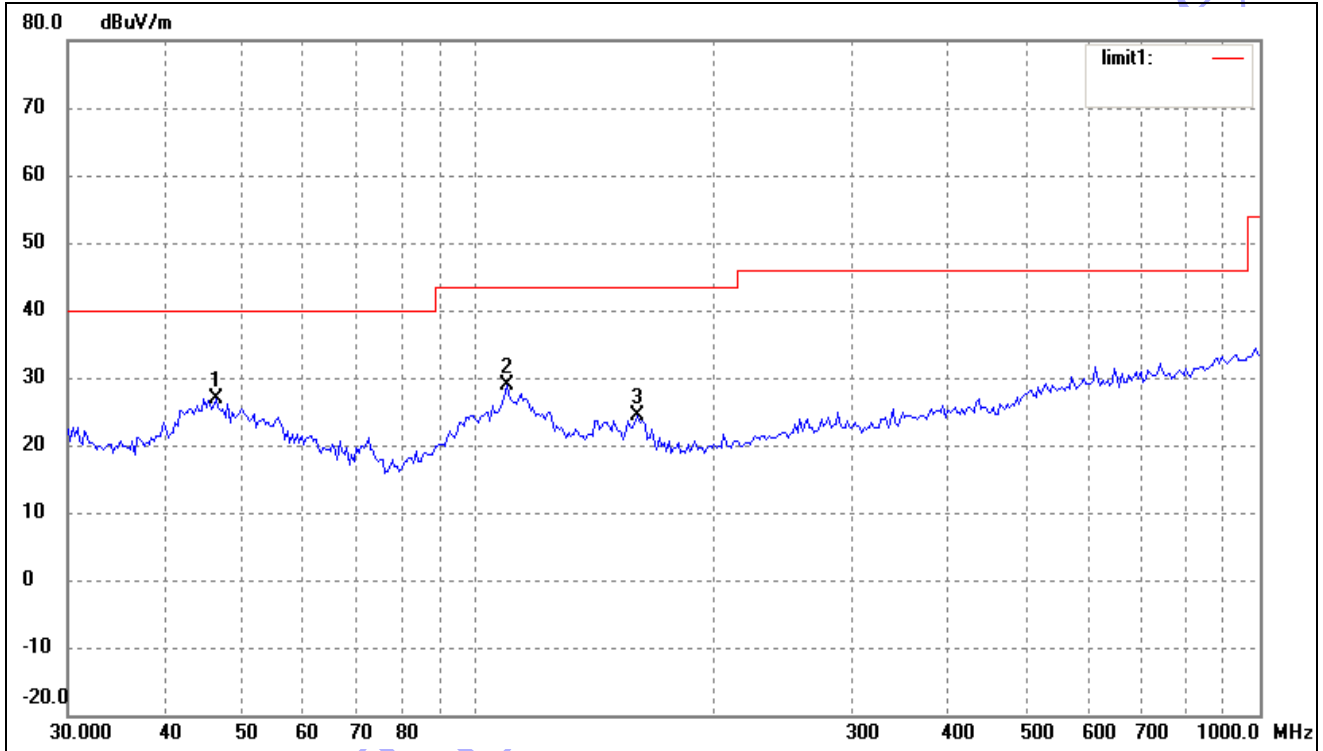
M/N: GT(M)or-91120-3005-P2

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

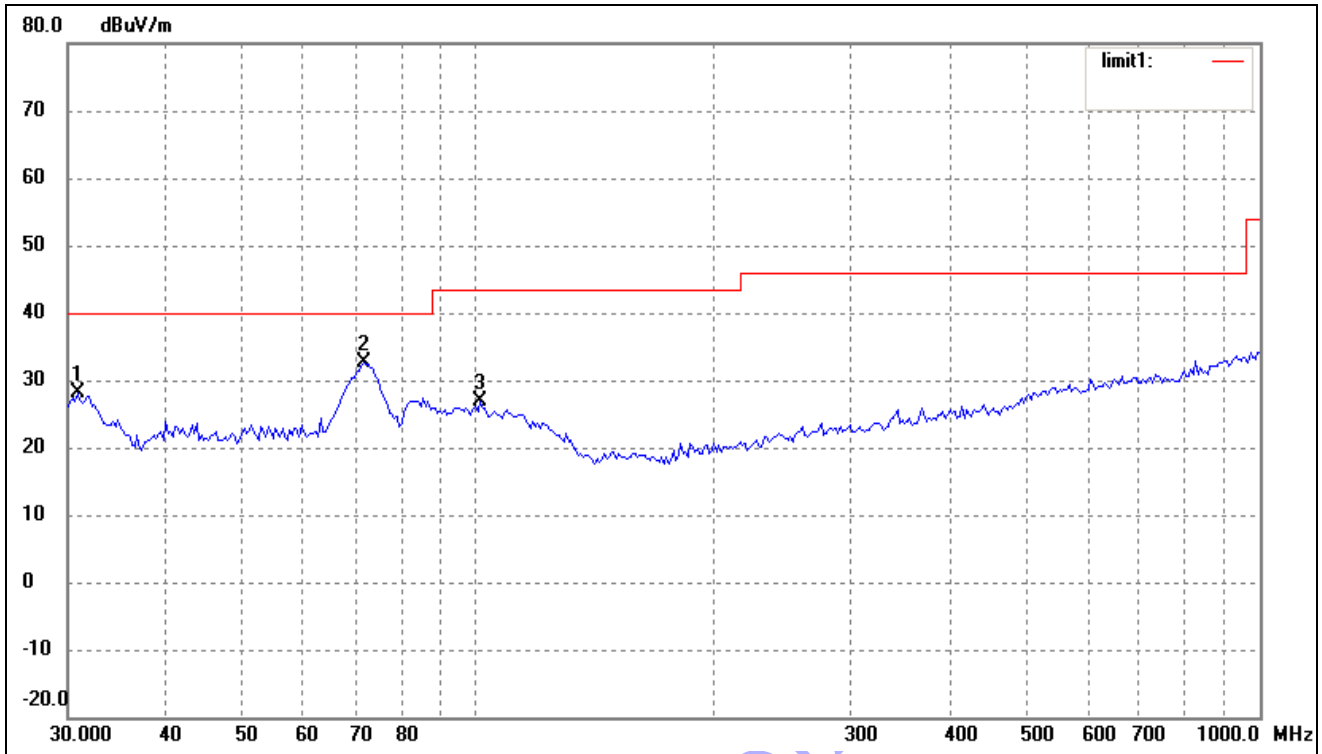
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	46.3402	19.08	7.91	26.99	40.00	-13.01	360	100	peak
2	109.0286	21.85	7.03	28.88	43.50	-14.62	360	100	peak
3	160.3457	20.51	3.75	24.26	43.50	-19.24	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	30.8535	21.56	6.62	28.18	40.00	-11.82	360	100	peak
2	71.5806	29.72	2.95	32.67	40.00	-7.33	360	100	peak
3	100.9340	19.05	7.72	26.77	43.50	-16.73	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

Radiated Emission

EUT: Medical power supply/I.T.E power supply

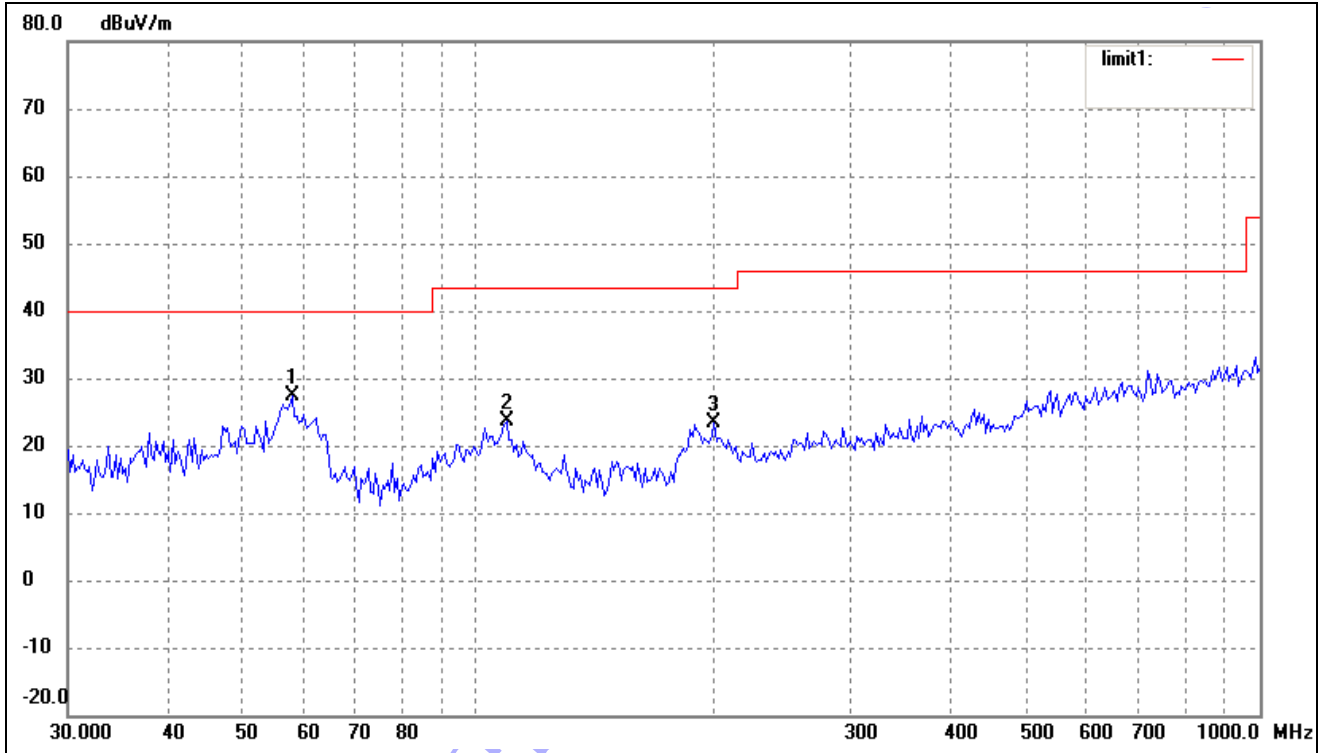
M/N: GT(M)or-91120-3048-T2

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

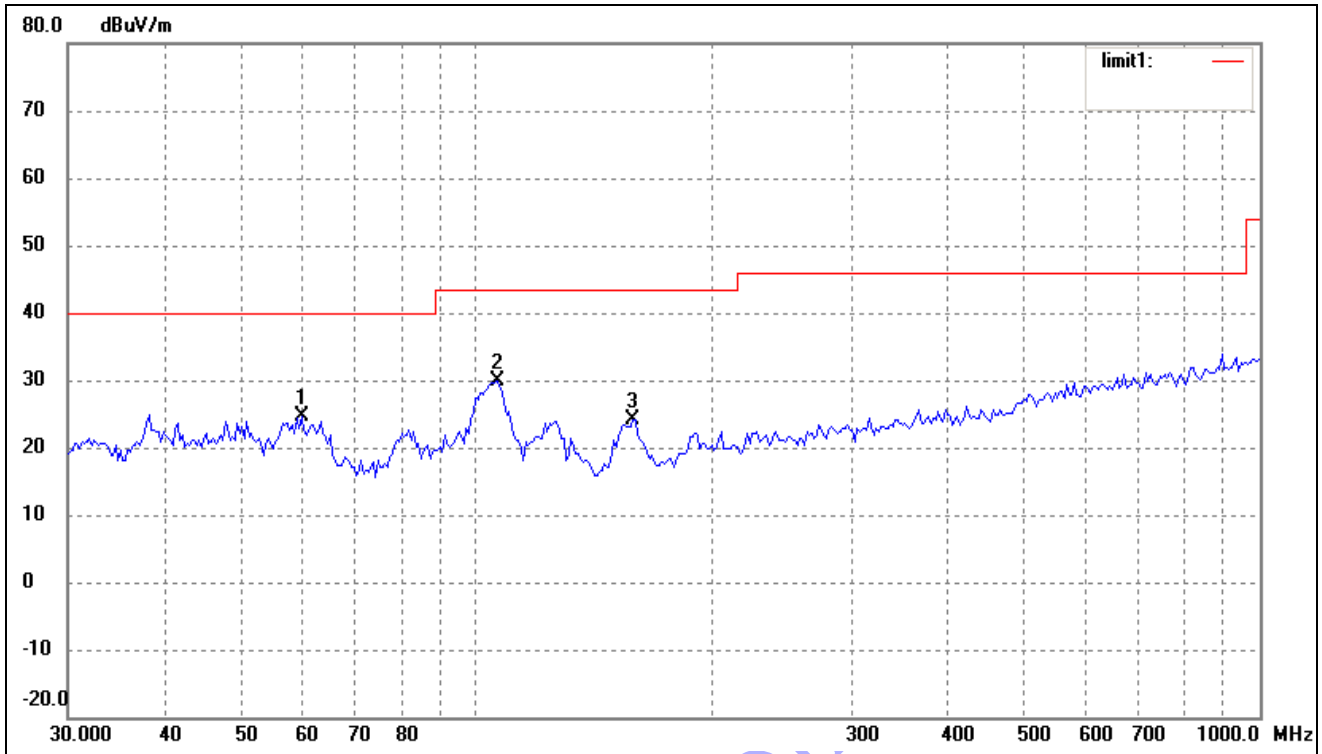
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	57.9993	20.03	7.30	27.33	40.00	-12.67	360	100	peak
2	109.0286	16.56	7.03	23.59	43.50	-19.91	360	100	peak
3	200.6881	17.61	5.70	23.31	43.50	-20.19	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	59.6493	17.36	7.21	24.57	40.00	-15.43	360	100	peak
2	106.0126	22.57	7.29	29.86	43.50	-13.64	360	100	peak
3	158.1123	20.50	3.66	24.16	43.50	-19.34	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

Radiated Emission

EUT: Medical power supply/I.T.E power supply

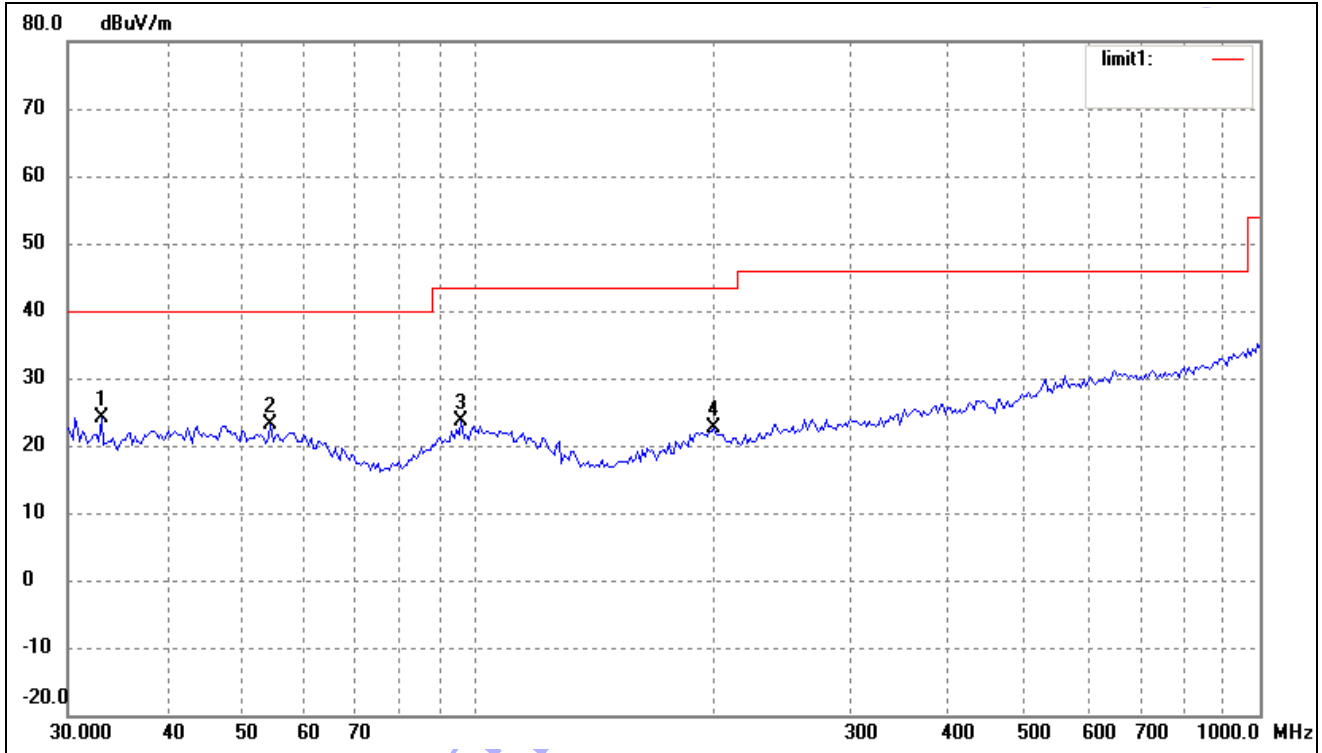
M/N: GT(M)or-91120-3005-FW

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

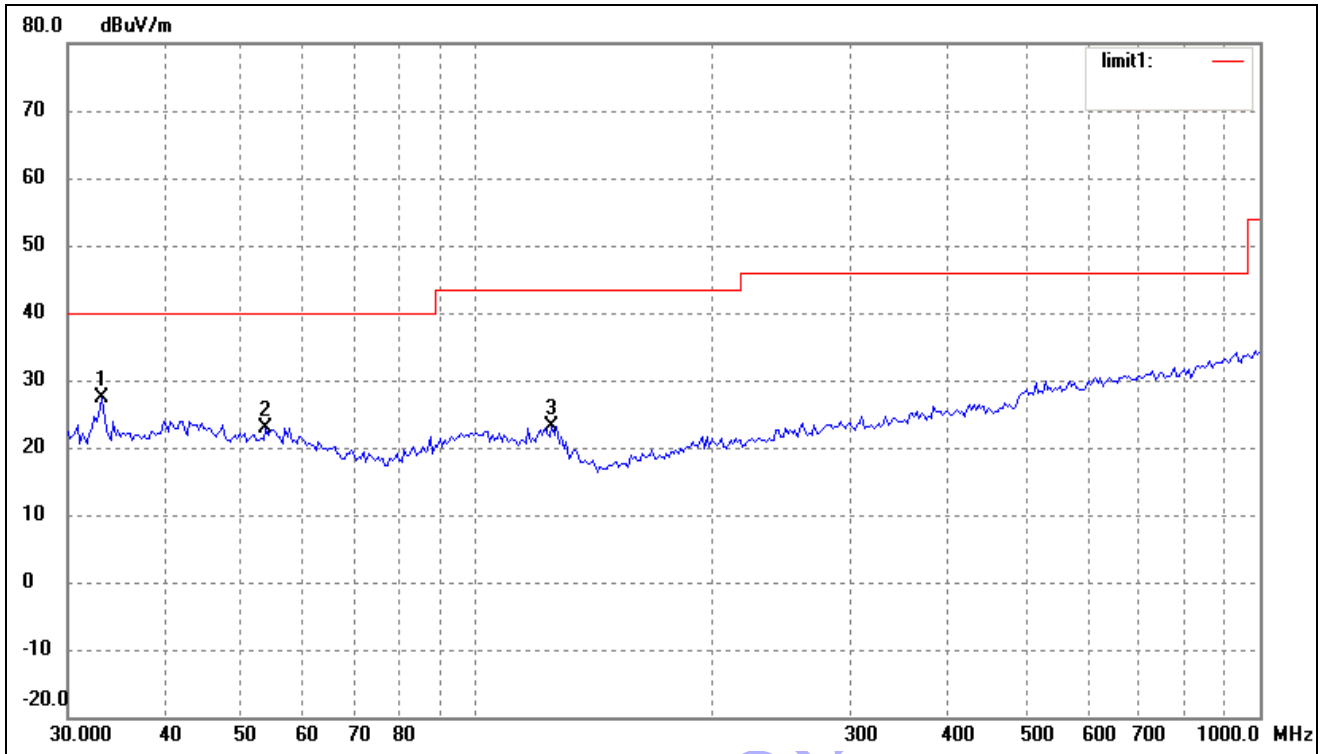
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.0950	17.45	6.61	24.06	40.00	-15.94	360	100	peak
2	54.4516	15.62	7.49	23.11	40.00	-16.89	360	100	peak
3	95.4270	16.10	7.50	23.60	43.50	-19.90	360	100	peak
4	200.6881	17.03	5.70	22.73	43.50	-20.77	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.0950	20.71	6.61	27.32	40.00	-12.68	360	100	peak
2	53.6932	15.46	7.52	22.98	40.00	-17.02	360	100	peak
3	124.5690	18.50	4.63	23.13	43.50	-20.37	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

Radiated Emission

EUT: Medical power supply/I.T.E power supply

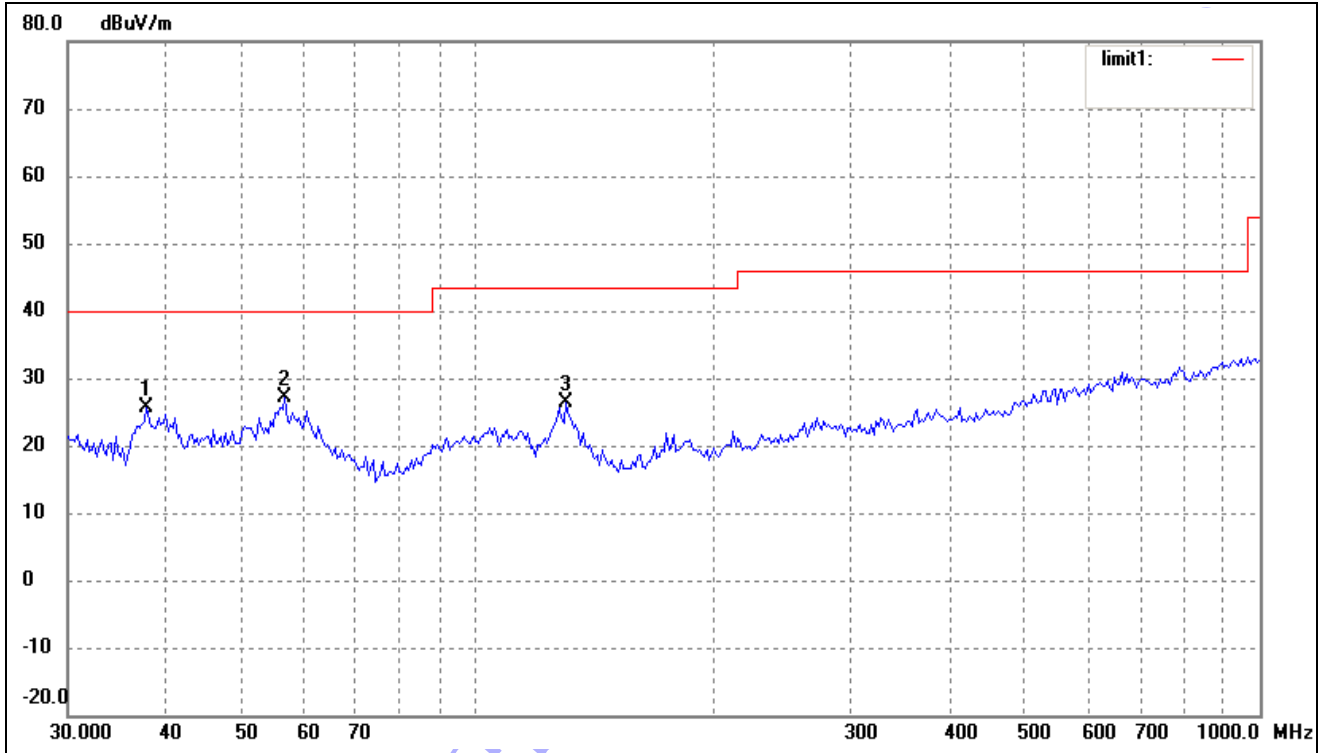
M/N: GT(M)or-91120-3048-T3A(structure 1)

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

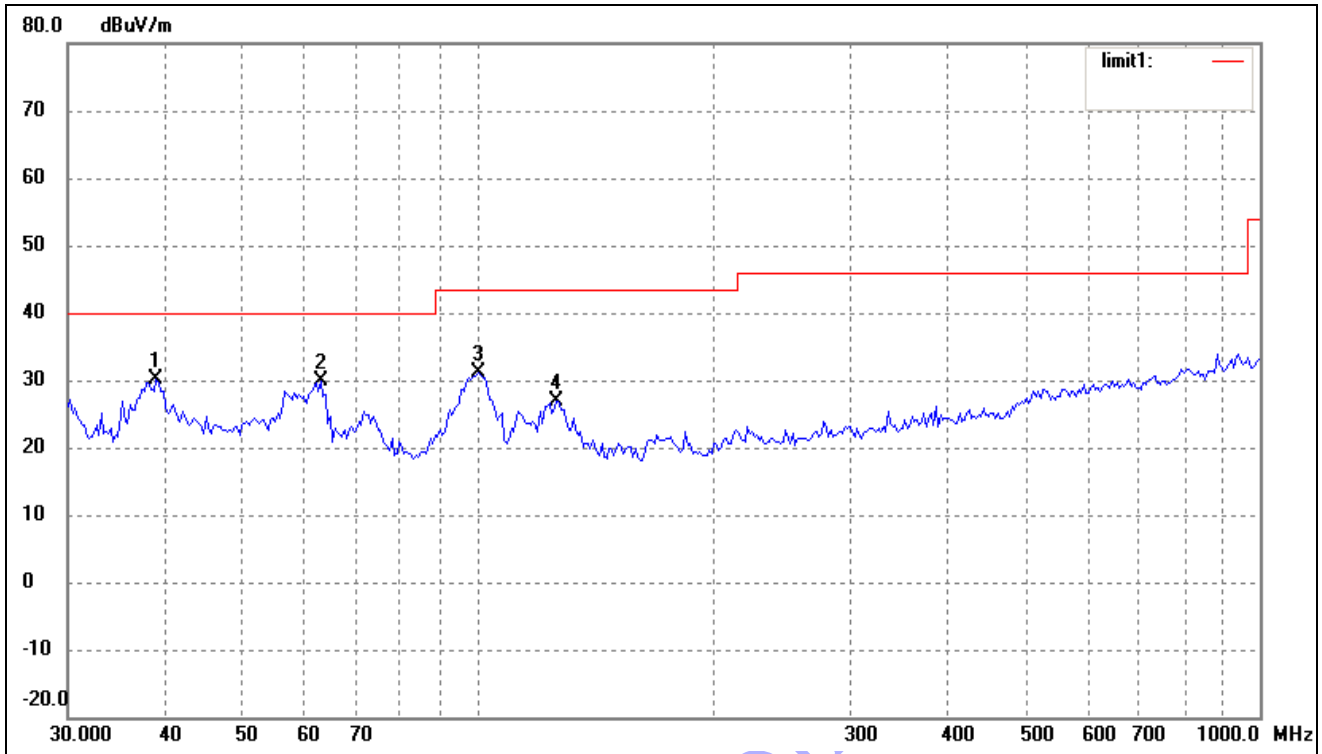
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	37.8121	18.17	7.35	25.52	40.00	-14.48	360	100	peak
2	56.7917	19.78	7.37	27.15	40.00	-12.85	360	100	peak
3	129.9226	22.48	3.86	26.34	43.50	-17.16	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.8879	22.52	7.64	30.16	40.00	-9.84	360	100	peak
2	63.0916	23.86	5.96	29.82	40.00	-10.18	360	100	peak
3	100.2286	23.41	7.79	31.20	43.50	-12.30	360	100	peak
4	126.3286	22.60	4.37	26.97	43.50	-16.53	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

Radiated Emission

EUT: Medical power supply/I.T.E power supply

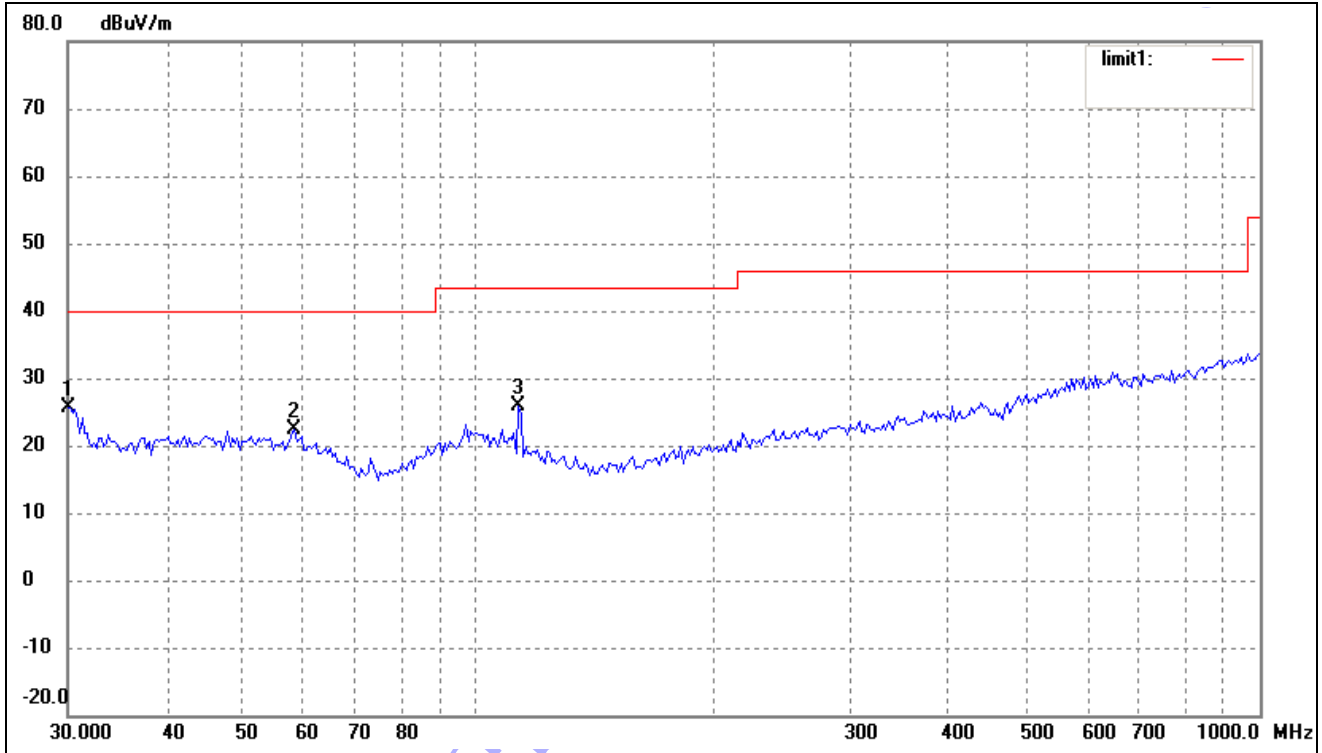
M/N: GT(M)or-91120-3005-T3A(structure 1)

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

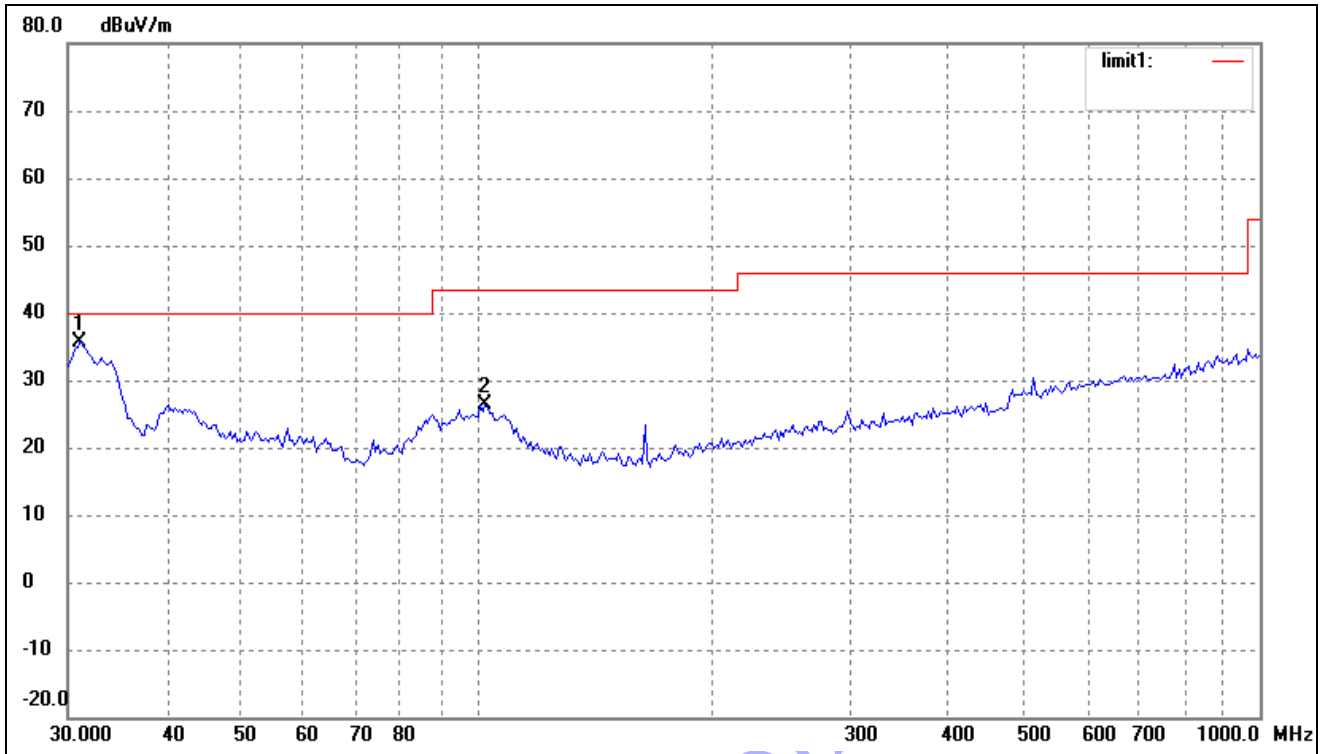
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	30.0000	19.11	6.63	25.74	40.00	-14.26	360	100	peak
2	58.4074	15.22	7.27	22.49	40.00	-17.51	360	100	peak
3	112.9196	19.43	6.45	25.88	43.50	-17.62	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	31.0706	29.12	6.62	35.74	40.00	-4.26	360	100	peak
2	102.3597	18.73	7.60	26.33	43.50	-17.17	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

Radiated Emission

EUT: Medical power supply/I.T.E power supply

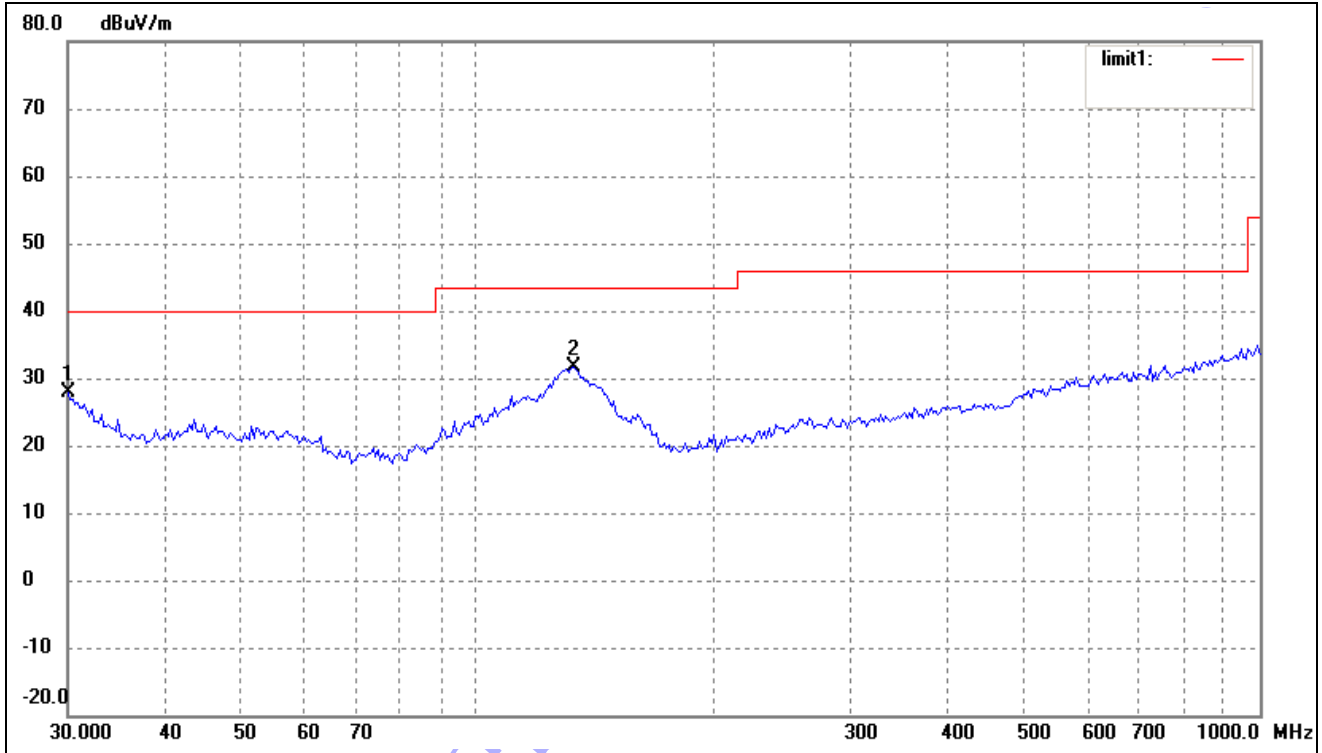
M/N: GT(M)or-91120-3005-T3A(structure 2)

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

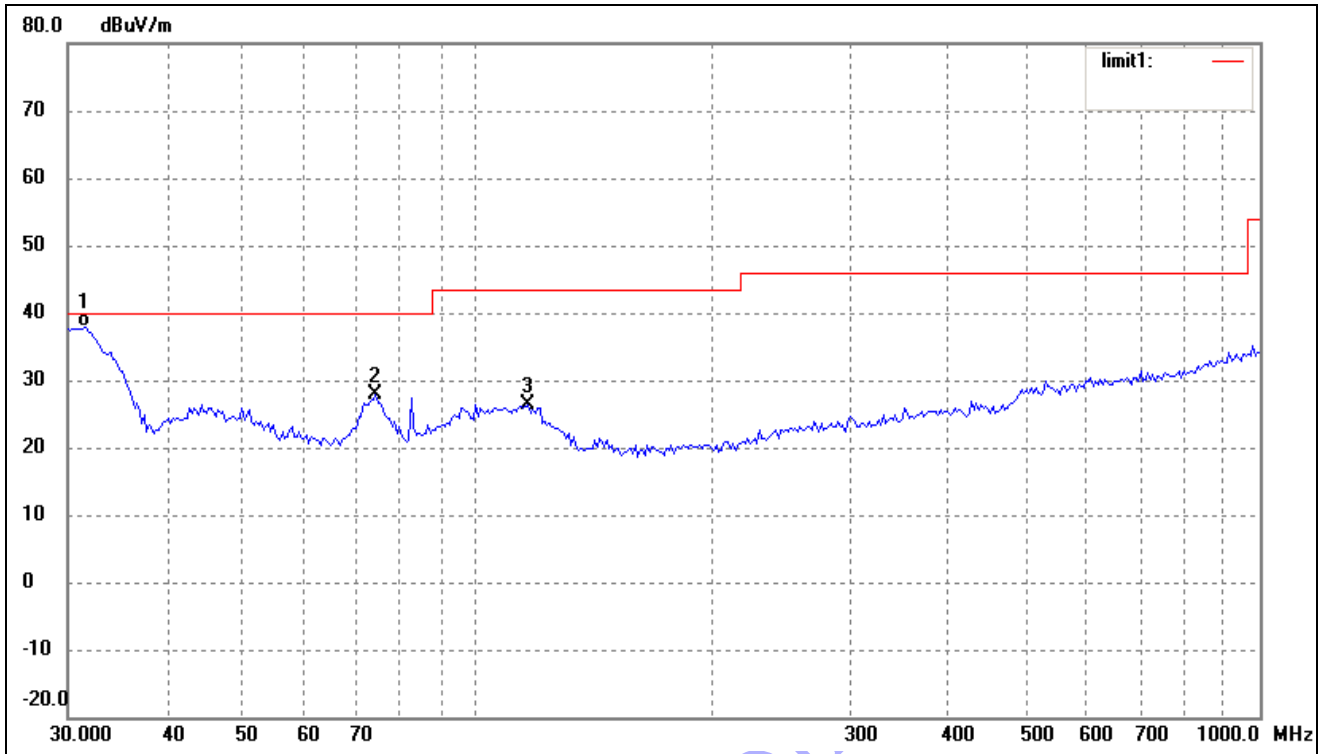
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	30.0000	21.33	6.63	27.96	40.00	-12.04	360	100	peak
2	132.6850	27.96	3.68	31.64	43.50	-11.86	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	31.5095	31.29	6.62	37.91	40.00	-2.09	202	100	QP
2	74.1351	25.27	2.54	27.81	40.00	-12.19	360	100	peak
3	116.1321	20.44	5.91	26.35	43.50	-17.15	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

Radiated Emission

EUT: Medical power supply/I.T.E power supply

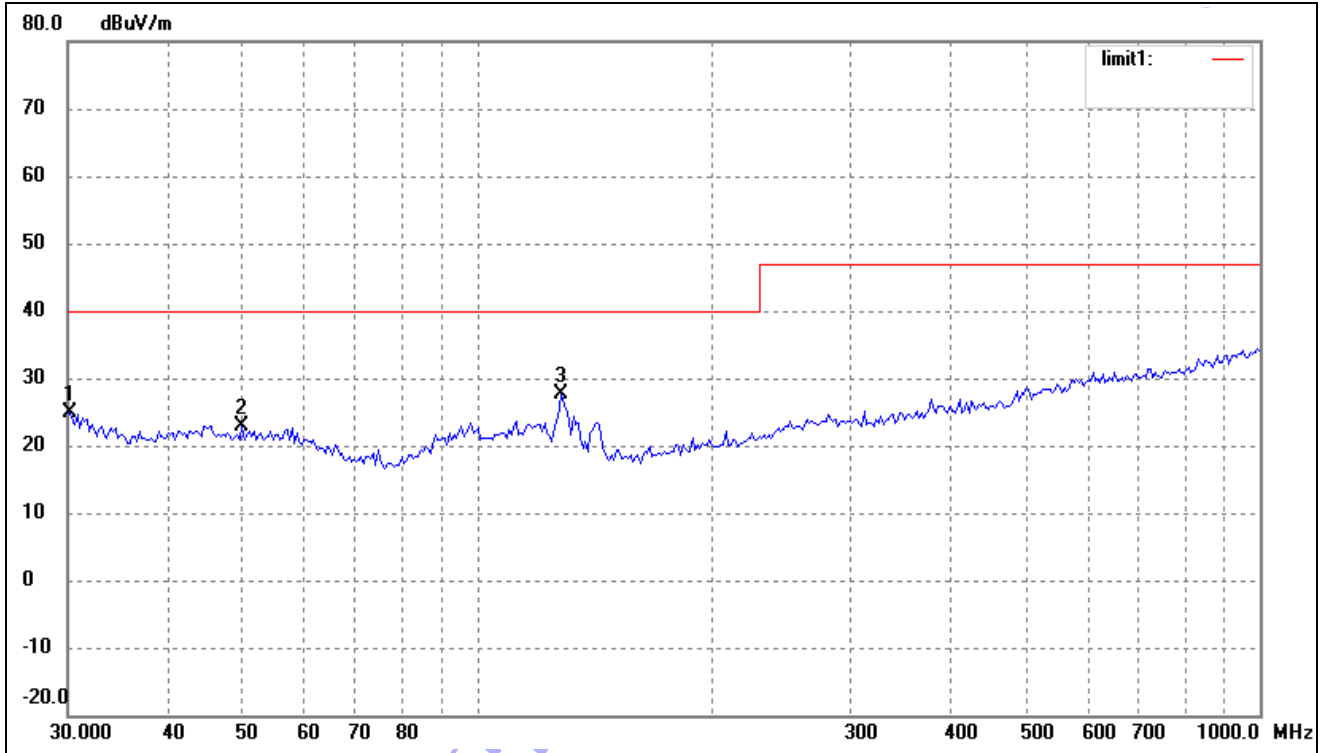
M/N: GT(M)or-91120-3005-T3A(structure 3)

Operating Condition: Full Load

Test Specification: Horizontal & Vertical

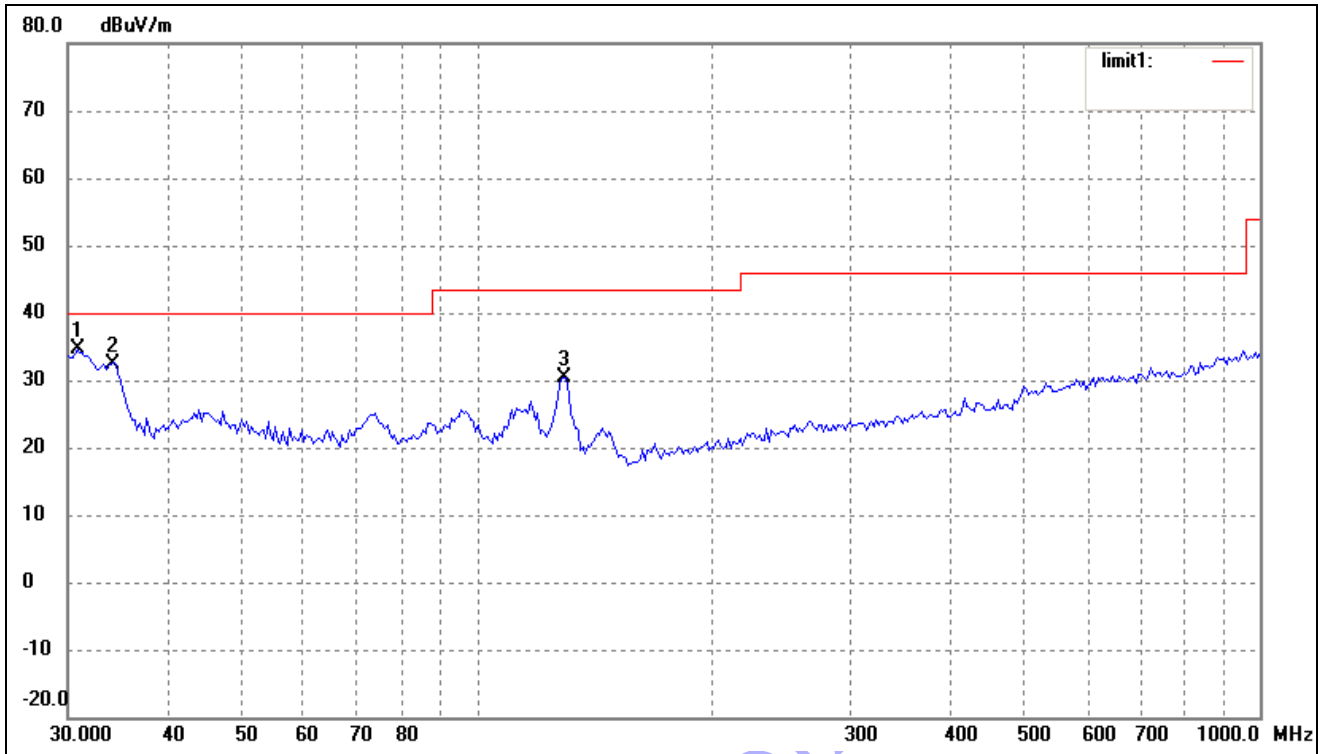
Comment: AC 120V

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	30.2111	18.29	6.63	24.92	40.00	-15.08	360	100	peak
2	50.0566	15.26	7.69	22.95	40.00	-17.05	360	100	peak
3	128.1130	23.44	4.12	27.56	40.00	-12.44	360	100	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	30.8535	28.13	6.62	34.75	40.00	-5.25	360	100	peak
2	34.2760	25.90	6.60	32.50	40.00	-7.50	360	100	peak
3	129.0146	26.37	3.99	30.36	43.50	-13.14	360	100	peak

Note: emissions are only the base noise in frequency 1GHz~6GHz.

EXHIBIT 1- PRODUCT LABELING

Proposed FCC Label Format



This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received,
including interference that may cause undesired operation.

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, also it need to mark in the user manual if the EUT is small exactly.

Proposed Label Location on EUT

FCC Label Location

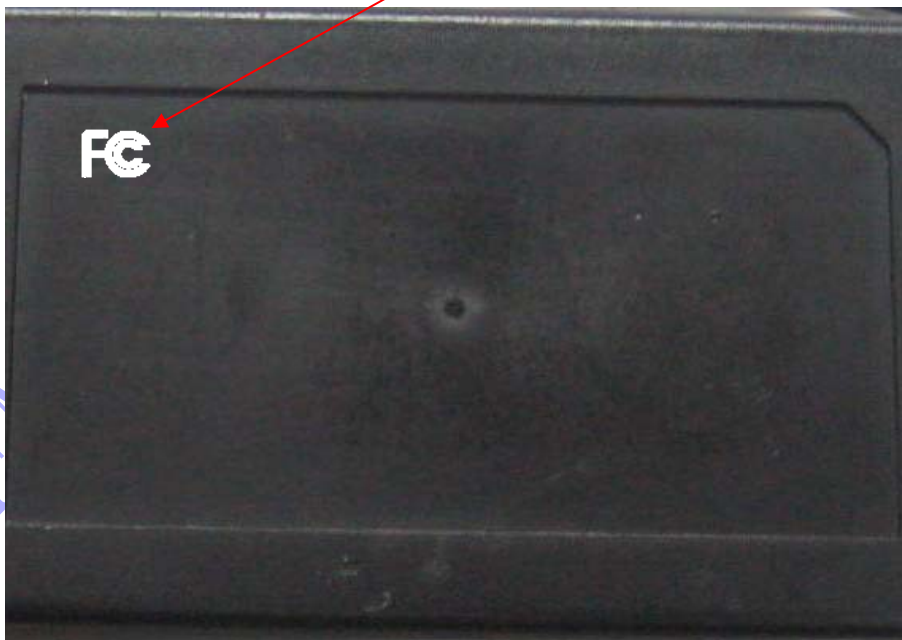


EXHIBIT 2 - EUT PHOTOGRAPHS

EUT View 1 (External/Desktop model: Class II)



EUT View 2 (External/Desktop model: Class II)



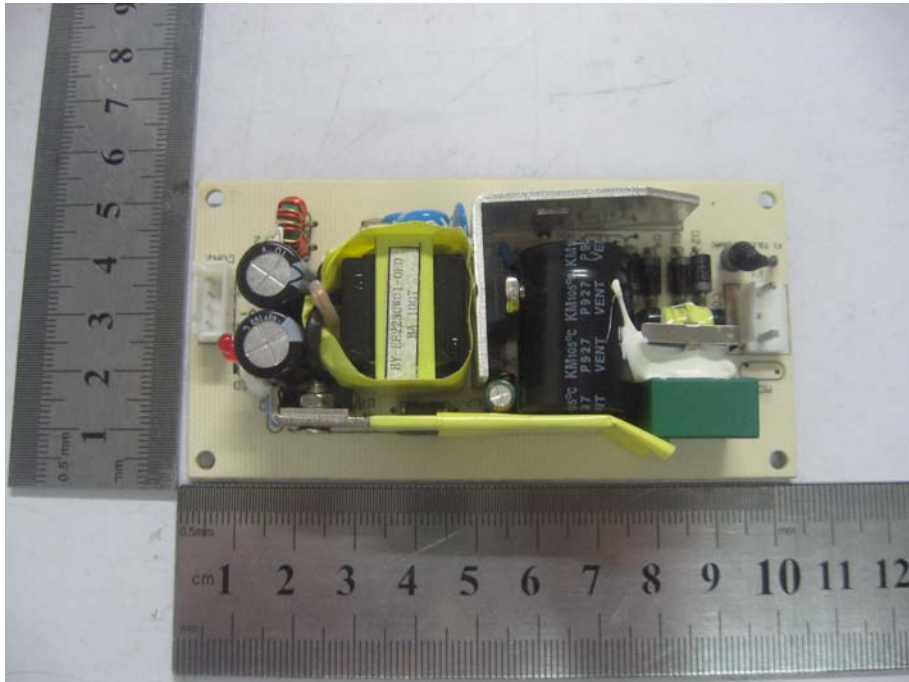
EUT View 3 (Plastic package: Class II)



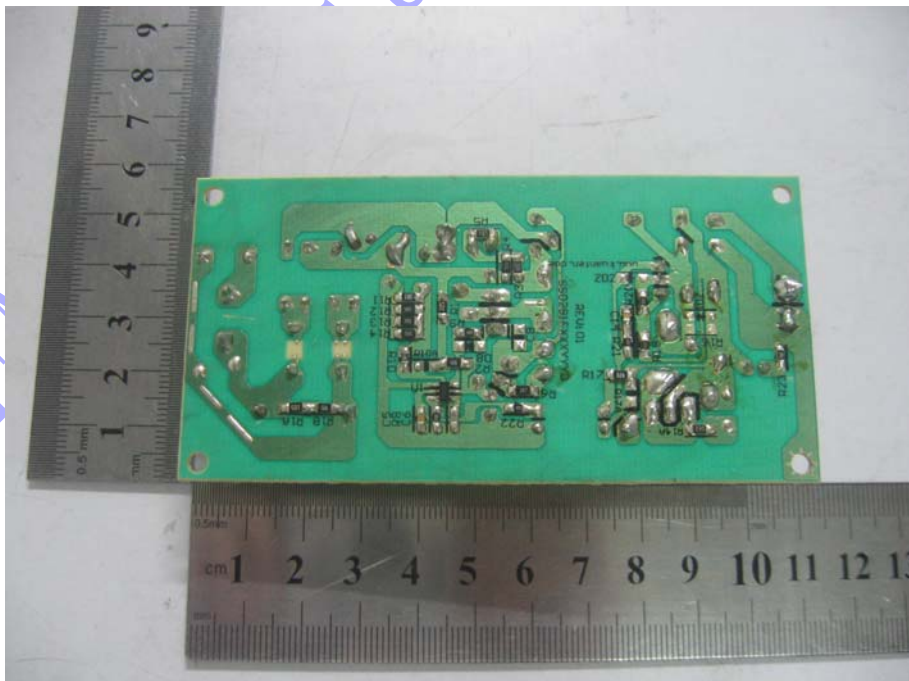
EUT View 4 (Plastic package: Class II)



EUT View 5 (Open Frame: Class II)



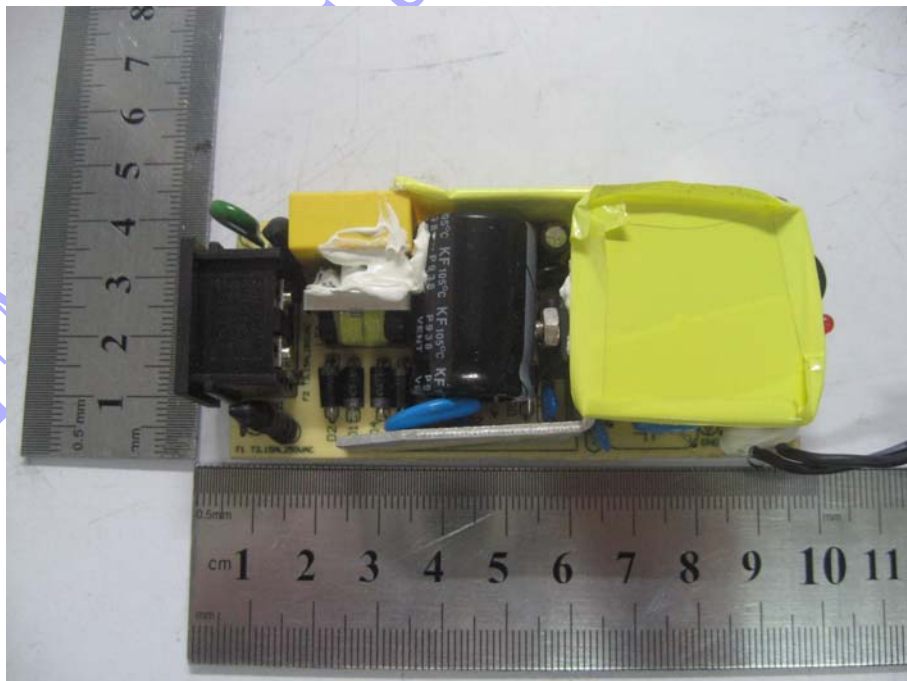
EUT View 6 (Open Frame: Class II)



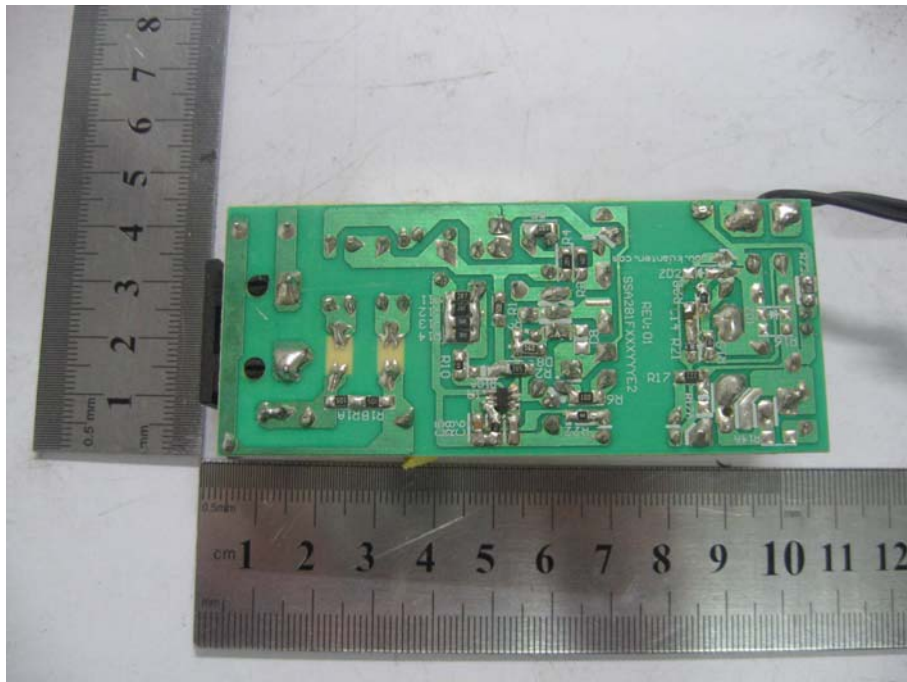
EUT Housing and Board View 1



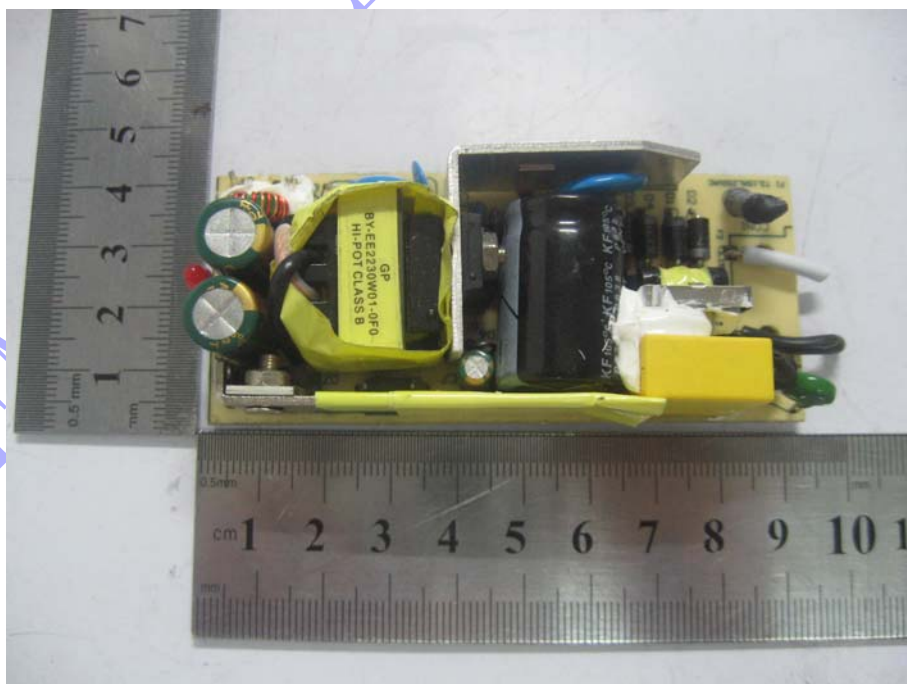
Solder Board-Component View 1 (External/Desktop model: GT(M)or-91120-3048-T2 Class II)



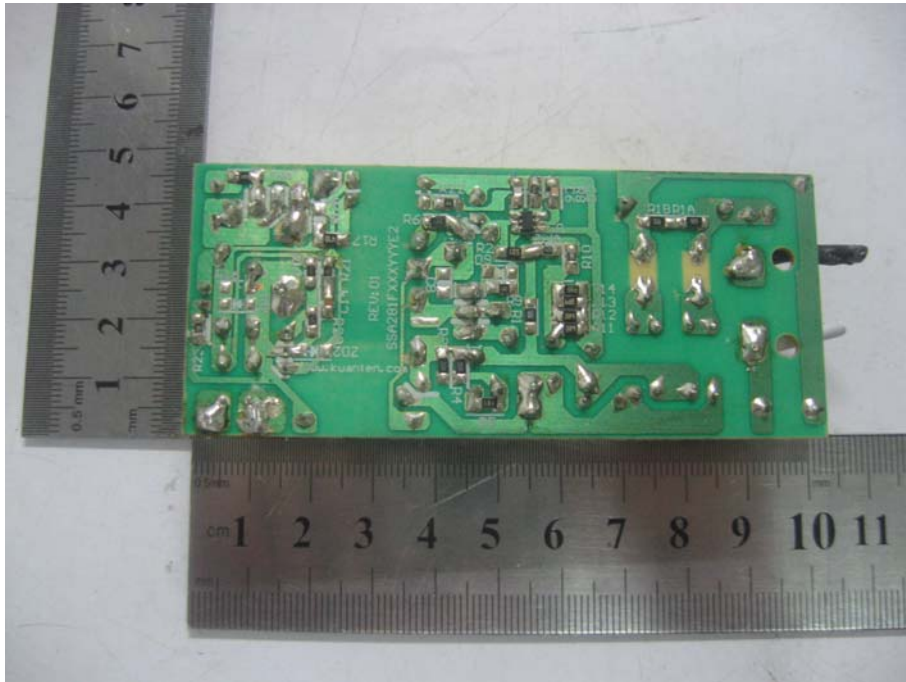
Solder Board-Component View 2 (External/Desktop model: GT(M)or-91120-3048-T2 Class II)



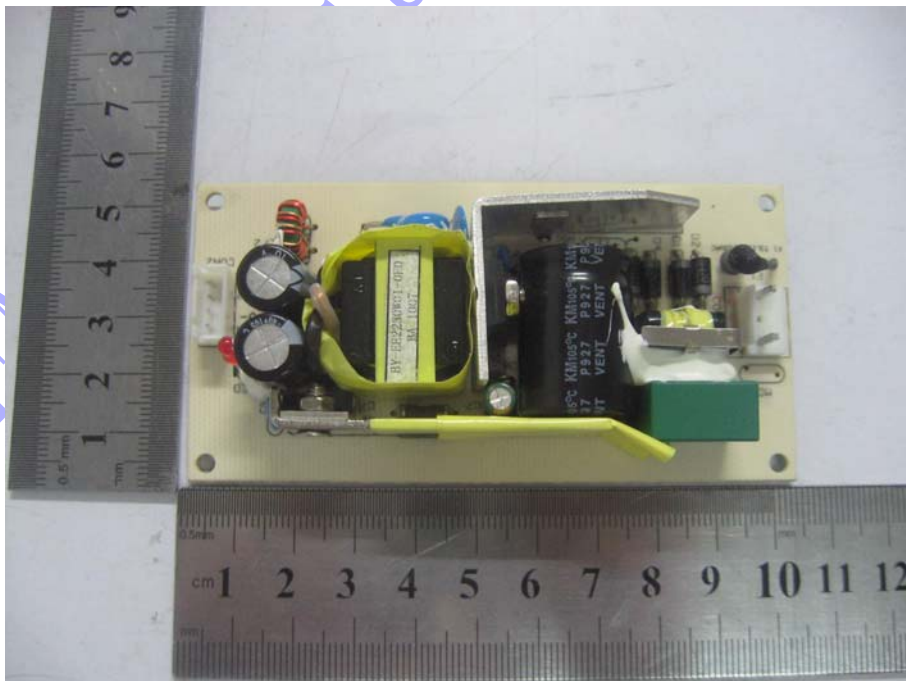
Solder Board-Component View 3 (Plastic package model: GT(M)or-91120-3005-P2 Class II)



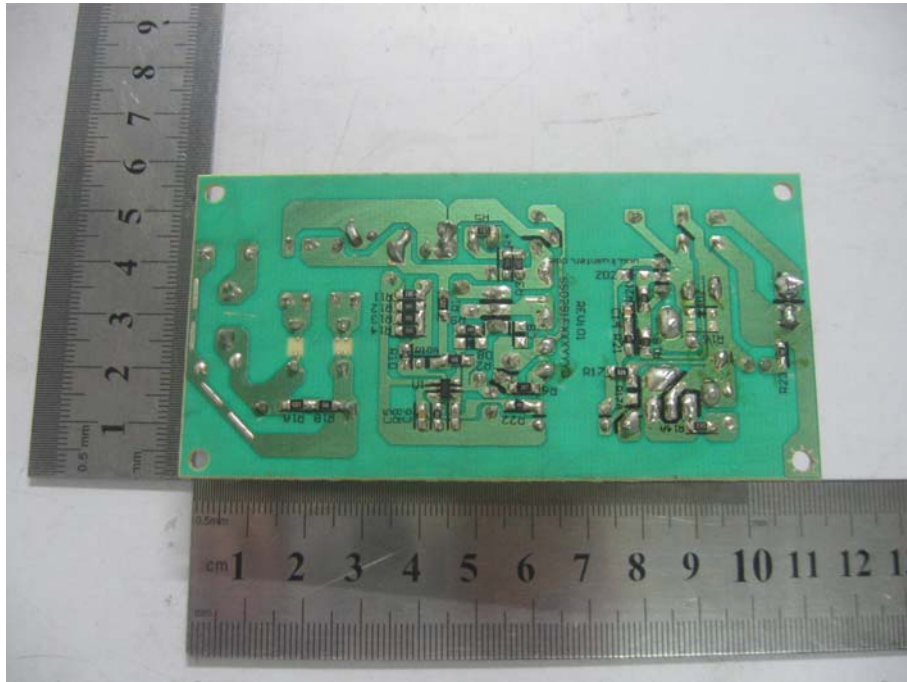
Solder Board-Component View 4 (Plastic package model: GT(M)or-91120-3005-P2 Class II)



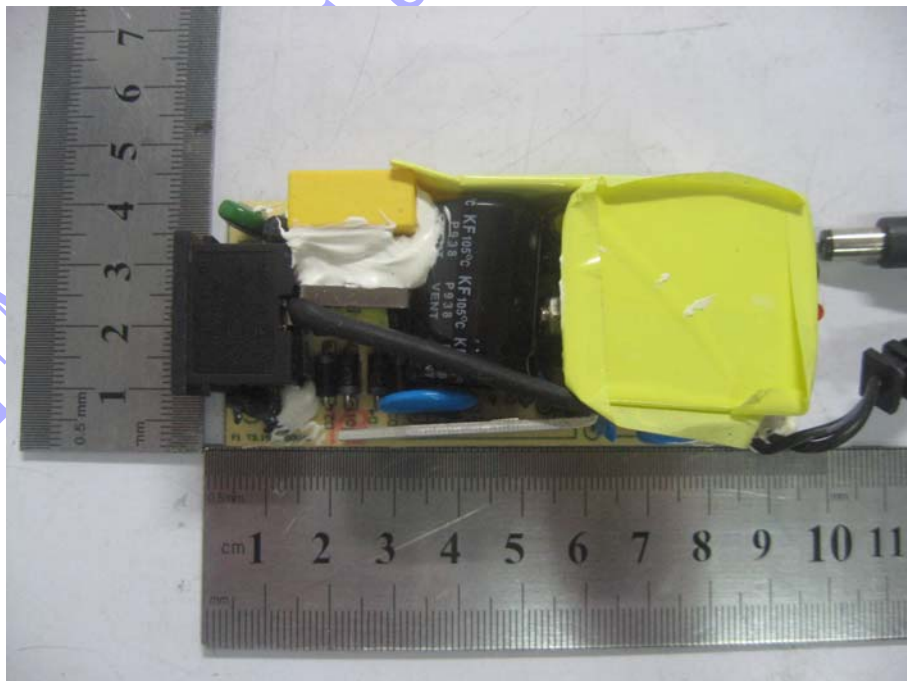
Solder Board-Component View 5 (Open Frame model: GT(M)or-91120-3005-FW Class II)



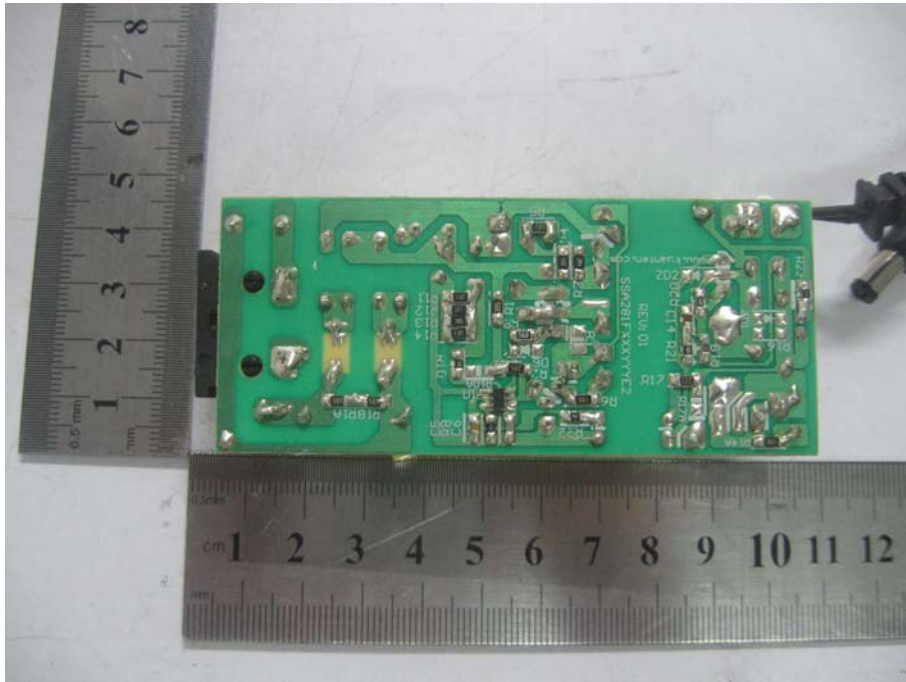
Solder Board-Component View 6 (Open Frame model: GT(M)or-91120-3005-FW Class II)



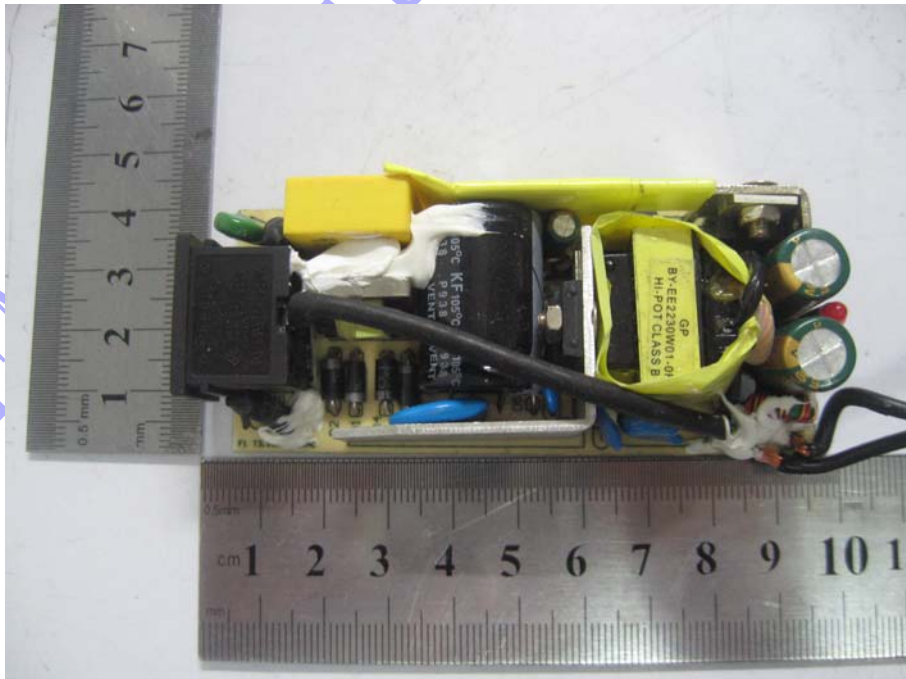
Solder Board-Component View 7 (External/Desktop model: GT(M)or-91120-3048-T3A Class I)
(structure 1)



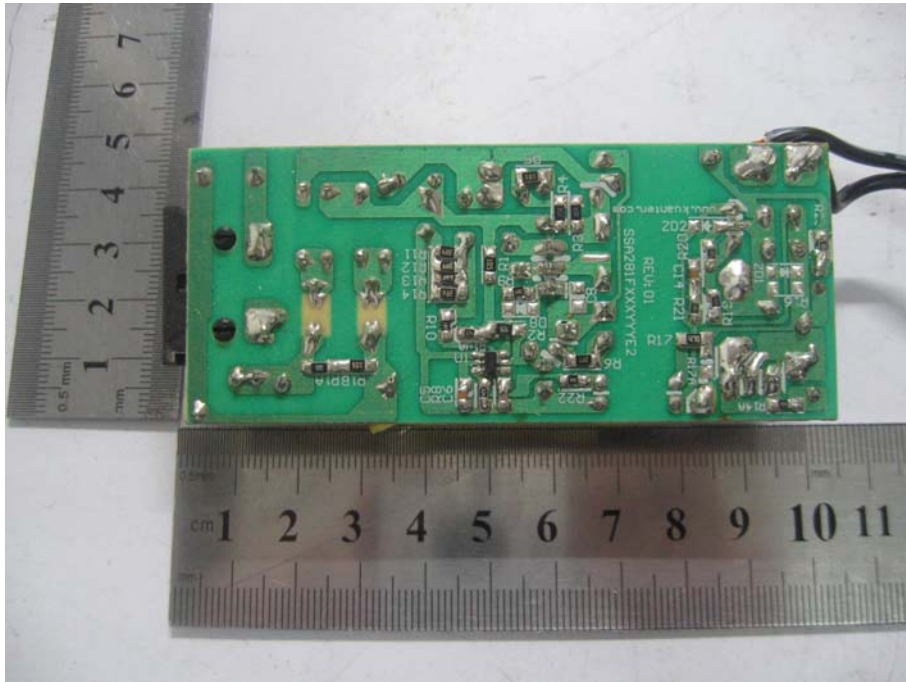
Solder Board-Component View 8 (External/Desktop model: GT(M)or-91120-3048-T3A Class I)
(structure 1)



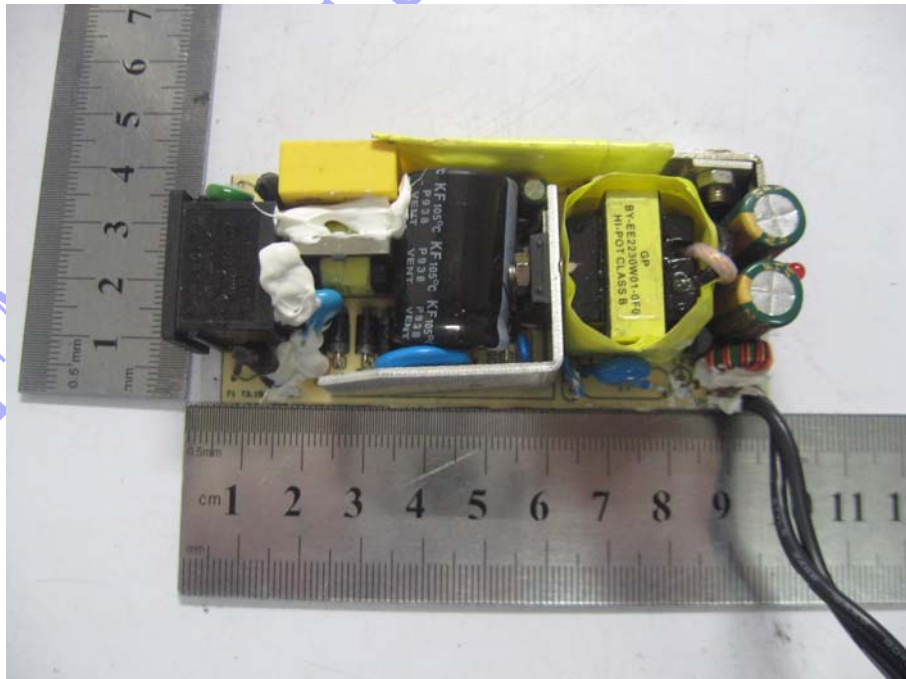
Solder Board-Component View 9 (External/Desktop model: GT(M)or-91120-3005-T3A Class I)
(structure 1)



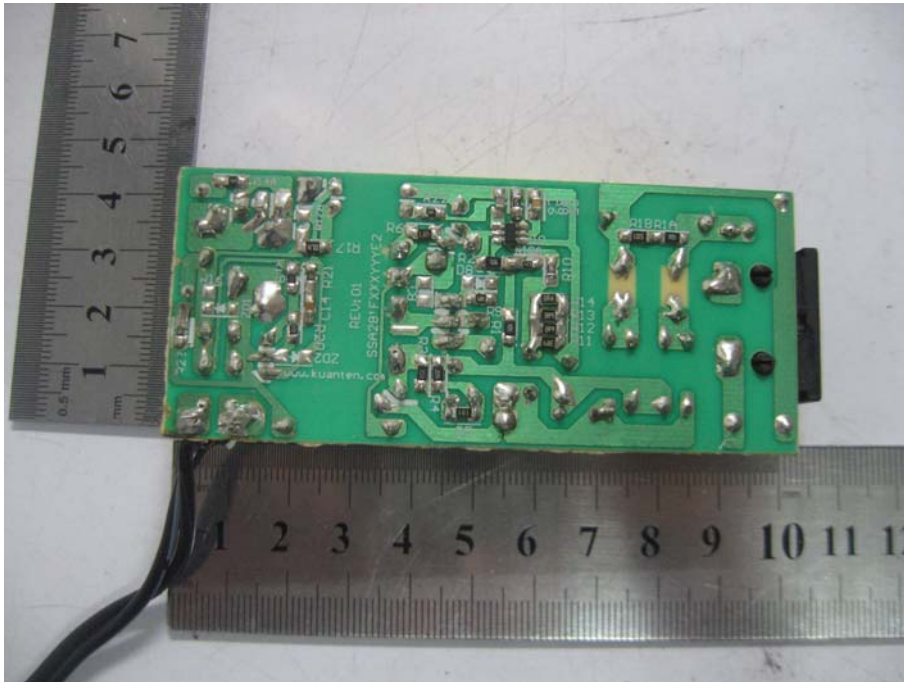
Solder Board-Component View 10 (External/Desktop model: GT(M)or-91120-3005-T3A Class I)
(structure 1)



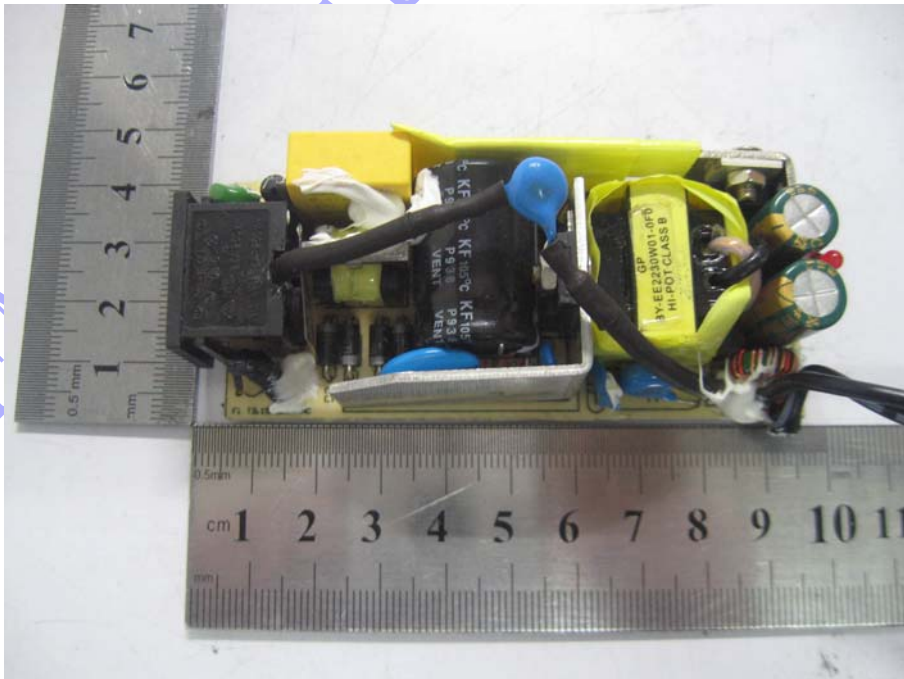
Solder Board-Component View 11 (External/Desktop model: GT(M)or-91120-3005-T3A Class I)
(structure 2)



Solder Board-Component View 12 (External/Desktop model: GT(M)or-91120-3005-T3A Class I)
(structure 2)



Solder Board-Component View 13 (External/Desktop model: GT(M)or-91120-3005-T3A Class I)
(structure 3)



Solder Board-Component View 14 (External/Desktop model: GT(M)or-91120-3005-T3A Class I)
(structure 3)

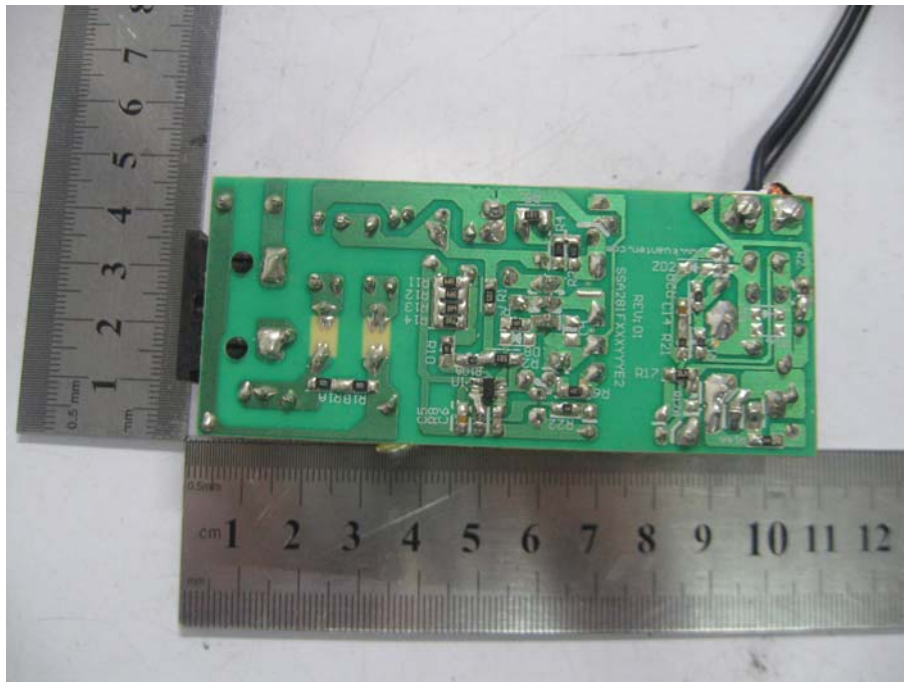


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conduction Emission View



Radiation Emission View

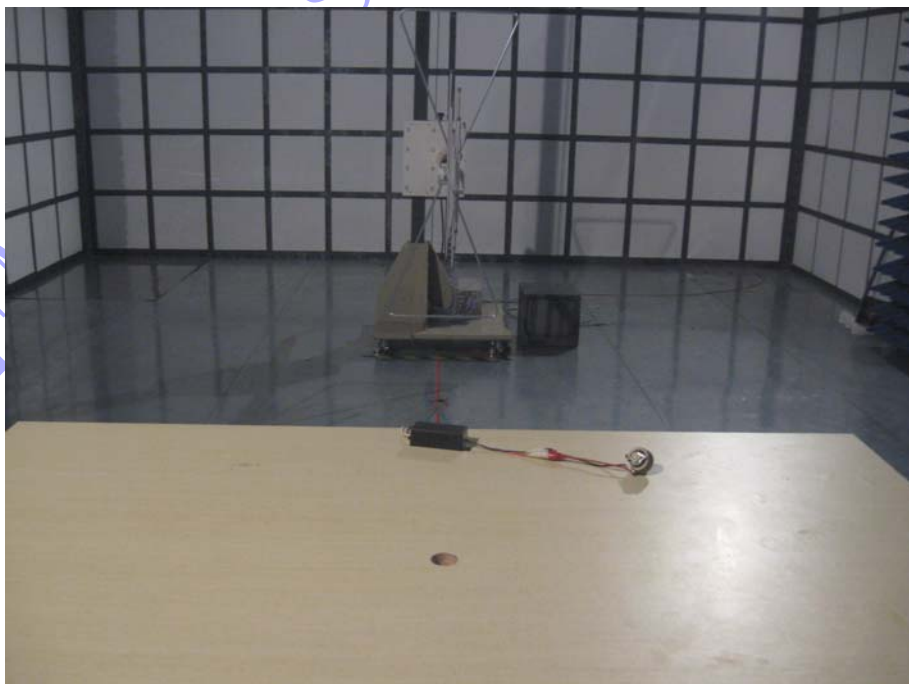


EXHIBIT 4 –SCHEMATICS

EXHIBIT 5 –USERS MANUAL

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