

EMC Measurement and Test Report

For

GlobTek, Inc.

186 Veterans Dr. Northvale, NJ 07647 USA

Test Standards:	EN 55032:2012+AC:2013 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 60601-1-2:2015 <u>EN 55024:2010</u>
Product Description:	<u>ITE POWER SUPPLY</u>
Tested Model:	<u>GT*41134*****, GT*96060*****</u>
Report No.:	<u>STR16058158E</u>
Tested Date:	<u>2016-05-23 to 2016-08-17</u>
Issued Date:	<u>2016-08-17</u>
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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 Shenzhen SEM.Test Technology Co., Ltd.

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EMM TEST

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

Manufacturer 1: GlobTek, Inc.
Address of manufacturer 1: 186 Veterans Dr. Northvale, NJ 07647 USA

Manufacturer 2: GlobTek (Suzhou) Co., Ltd
Address of manufacturer 2: Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China

Technical Characteristics of EUT	
Rated Voltage:	AC 100-240V, 50-60Hz
Rated Current:	Max. 0.6A
Rated Power:	Max. 6W
Power Adaptor Model:	/
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B

General Description of EUT	
Product Name:	ITE POWER SUPPLY
Trade Name:	
Model No.:	GT*41134*****, GT*96060*****
Adding Model(s):	/
<p><i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i></p> <p><i>GT*41134*****, GT*96060*****</i></p> <p><i>The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety.</i></p> <p><i>The 2nd "*" part can be "-" or "CC", "-" = Constant Voltage Model, CC = Constant Current Model.</i></p> <p><i>The 3rd "*" denotes the rated output wattage designation, which can be "01" to "06", with interval of 1.</i></p> <p><i>The 4th "*" denotes the standard rated output voltage designation, which can be "03", "04", "06", "12", "15", "18", "24", "36" or "48". These standard rated output voltage designations correspond to seven isolated transformer models.</i></p> <p><i>The 5th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.1" to "-11.9" with interval of 0.1, or blank to indicate no voltage different.</i></p> <p><i>The 4th "*" and 5th "*" together denote the output voltage, with a range of 3.3 - 48 volts.</i></p> <p><i>The 6th "*" = Blank means directly plug in model series,</i></p> <p><i>= "-F" means Class I open frame model with connector which is fixing on the PCB,</i></p> <p><i>= "-FW" means Class II open frame model with connector which is fixing on the PCB.</i></p> <p><i>= "-FWT2" means open frame model with appliance inlet with Class II inlet C8 respectively,</i></p> <p><i>= "-FT3A" means open frame model with appliance inlet with Class I inlet C6 respectively,</i></p> <p><i>= "-FT3" means open frame model with appliance inlet with Class I inlet C14 respectively,</i></p> <p><i>The last * denote any six character = 0-9 or A-Z or () [] or - or blank for marketing purposes.</i></p>	

1.2 Test Standards

The following report is prepared on behalf of the GlobTek, Inc. in accordance with EN55032, Electromagnetic compatibility of multimedia equipment - Emission requirements, and EN61000-3-2, Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase), and EN61000-3-3, Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current \leq 16 A per phase and not subject to conditional connection, and EN 60601-1-2, Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests and EN 60601-1, Medical electrical equipment – Part 1: General requirements for basic safety and essential performance, and EN55024, Immunity characteristics Limits and methods of measurement.

The objective of the manufacturer is to demonstrate compliance with the standards EN55032, EN61000-3-2, EN61000-3-3, and EN55024 for multimedia equipment, and EN 60601-1 and EN 60601-1-2 for Medical electrical equipment.

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 EN55032, EN61000-3-2, EN61000-3-3, and EN55024 for Information Technology Equipment, and EN 60601-1 and EN 60601-1-2 for Medical electrical equipment., and all related testing and measurement techniques intentional standards.

1.4 Test Facility

FCC – Registration No.: 934118

Shenzhen SEM.Test Technology 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 934118.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM.Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

CNAS Registration No.: L4062

Shenzhen SEM.Test Technology Co., Ltd. is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L4062. All measurement facilities used to collect the measurement data are located at 1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C (518101).

1.5 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
TM1	Full Load	GTM41134-0603
TM2	Full Load	GTM41134-0612-3.0
TM3	Full Load	GTM41134-0648
TM4	Full Load	GTM41134-0606-1.0-FT3A
TM5	Full Load	GTM96060-0606-1.0
TM6	Full Load	GTM96060-0624
TM7	Full Load	GTM41134-0624
TM8	Full Load	GTM41134-0606-1.0

EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
GTM41134-0603	1.0	Unshielded	Without Core
GTM41134-0612-3.0	1.1	Unshielded	Without Core
GTM41134-0648	1.5	Unshielded	With Core
DC Cable	1.5	Unshielded	Without Core
Power Cable	1.8	Unshielded	With Core

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
/	/	/	/

Special Cable List and Details

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

1.6 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 manufacture. No change in operating state or loss or 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.

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1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP	836079/035	2016-06-04	2017-06-03
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2016-06-04	2017-06-03
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2016-06-04	2017-06-03
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2016-06-04	2017-06-03
SEMT-1011	Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2016-06-04	2017-06-03
SEMT-1068	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-333	2016-06-04	2017-06-03
SEMT-1042	Horn Antenna	ETS	3117	00086197	2016-06-04	2017-06-03
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2016-06-04	2017-06-03
SEMT-1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2016-06-04	2017-06-03
SEMT-1066	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2016-06-04	2017-06-03
SEMT-1002	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2016-06-04	2017-06-03
SEMT-1003	AC LISN	Schwarz beck	NSLK8126	8126-224	2016-06-04	2017-06-03
SEMT-1060	DC LISN	Schwarz beck	NNBM8126D	279	2016-06-04	2017-06-03
SEMT-1061	DC LISN	Schwarz beck	NNBM8126D	280	2016-06-04	2017-06-03
SEMT-1085	8-WIRE LISN	Schwarz beck	8158	CAT3-8158-0059	2016-06-04	2017-06-03
SEMT-1086	8-WIRE LISN	Schwarz beck	8158	CAT5-8158-0117	2016-06-04	2017-06-03
SEMT-1005	Clamp	Schwarz beck	MDS21	3809	2016-06-04	2017-06-03
SEMT-1014	Loop Antenna	EVERFINE	LLA-2	711001	2016-06-04	2017-06-03
SEMT-1071	VDH Test Head	AFJ	VDH 30	SC022Z	2016-06-04	2017-06-03
SEMT-1056	Digital Power Analyzer	California Instrument	CTS	72831	2016-06-04	2017-06-03
SEMT-1057	Power Source	California Instrument	5001IX-CTS-400	25965	2016-06-04	2017-06-03
SEMT-1027	ESD Generator	TESQ AG	NSG 437	161	2016-06-04	2017-06-03
SEMT-1055	Signal Generator	HP	8648A	3642U01277	2016-06-04	2017-06-03
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2016-06-04	2017-06-03
SEMT-1067	Amplifier	Agilent	8447D	2944A10179	2016-06-04	2017-06-03
SEMT-1024	Transient 2000	EMC PARTNER	TRA2000	863	2016-06-04	2017-06-03
SEMT-1045	CS Immunity Tester	EMTEST	CWS500	0900-03	2016-06-04	2017-06-03

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
EN55032/ EN60601-1-2	Conducted Emission	Compliant
	Radiated Emission	Compliant
EN61000-3-2	Harmonic Current Emission	Compliant
EN61000-3-3	Voltage Fluctuation and Flicker	Compliant
EN55024/ EN60601-1-2	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

N/A: not applicable

3. Conducted Emission

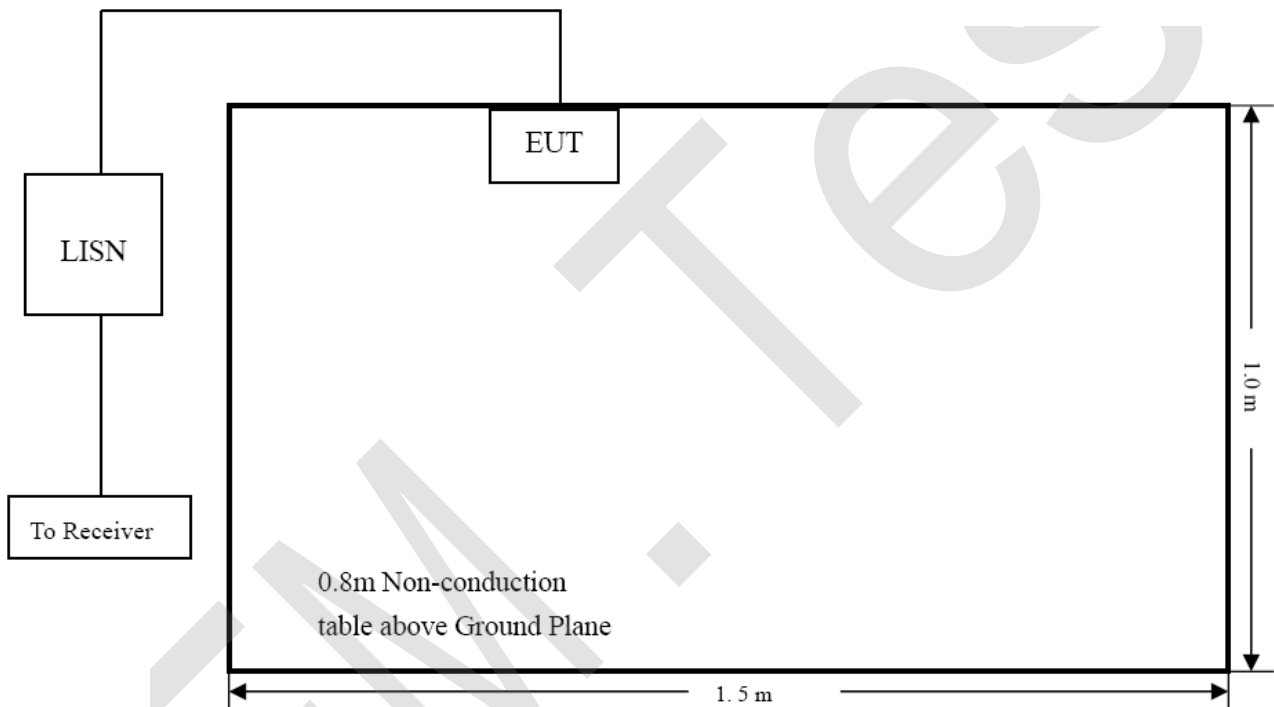
3.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is ± 2.88 dB.

3.2 Test Procedure

Test is conducting under the description of EN55032 Annex A.3.5.

3.3 Basic Test Setup Block Diagram



3.4 Environmental Conditions

Temperature:	22 ° C
Relative Humidity:	55 %
ATM Pressure:	1015 mbar

3.5 Summary of Test Results/Plots

According to the data in section 3.6, the EUT complied with the EN55032 Conducted margin for a Class B device, with the *worst* margin reading of:

-1.86 dB at 1.0260 MHz in the Line mode, Average detector, GTM96060-0606-1.0 Model, 0.15-30MHz

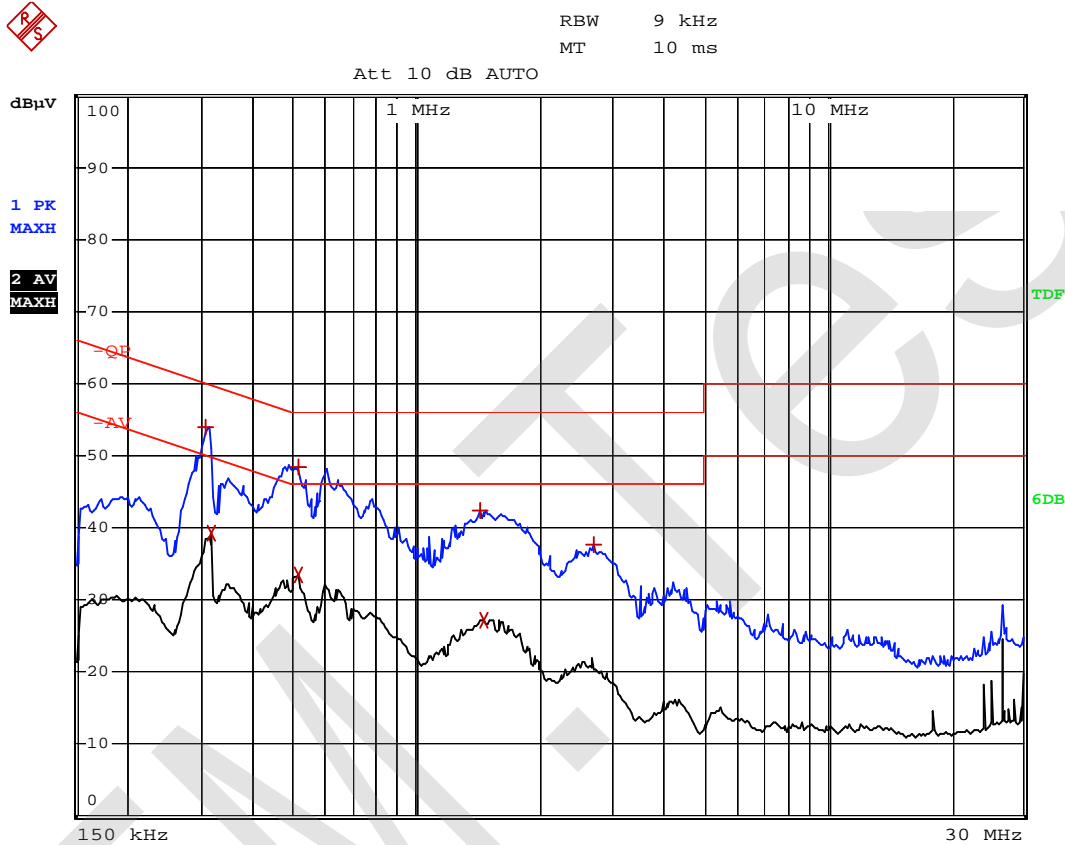
3.6 Conducted Emissions Test Data

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Plot of Conducted Emissions Test Data

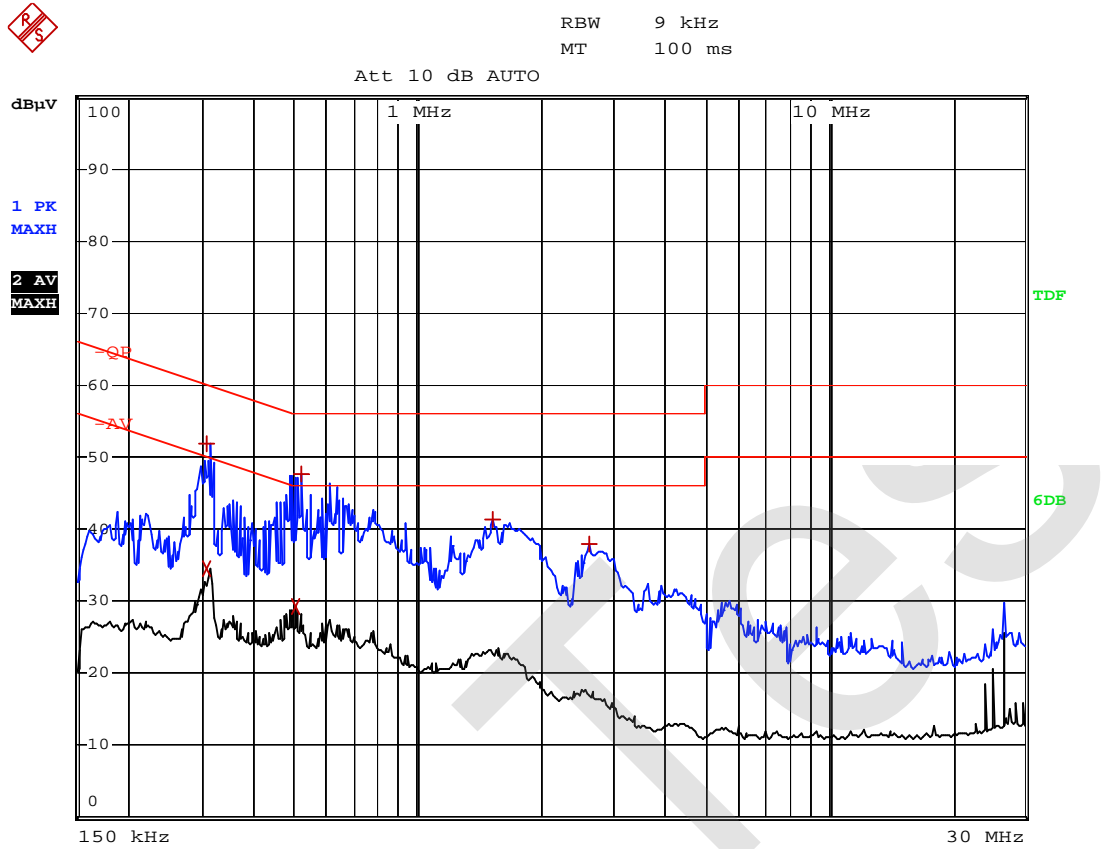
EUT: *ITE POWER SUPPLY*
 Tested Model: *GTM41134-0603*
 Operating Condition: *Full Load*
 Comment: *Connected to Load*

Test Specification: *Line*



EDIT PEAK LIST (Prescan Results)			
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
1 Max Peak	310 kHz	54.01	-5.95
2 Average	314 kHz	39.23	-10.62
1 Max Peak	514 kHz	48.40	-7.59
2 Average	514 kHz	33.38	-12.61
1 Max Peak	1.43 MHz	42.49	-13.50
2 Average	1.454 MHz	27.19	-18.80
1 Max Peak	2.71 MHz	37.61	-18.38

Test Specification: Neutral

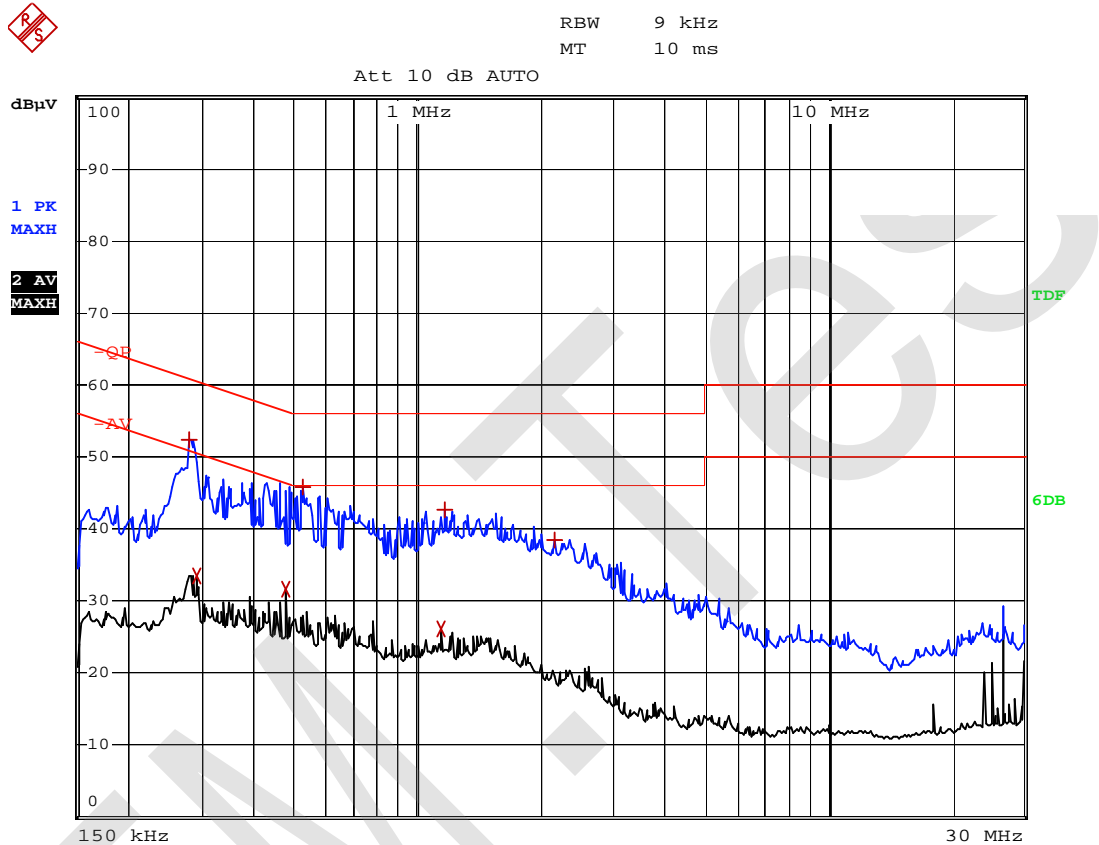


EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	310 kHz	51.77	-8.19
2 Average	310 kHz	34.38	-15.58
2 Average	502 kHz	29.18	-16.81
1 Max Peak	518 kHz	47.68	-8.31
1 Max Peak	1.522 MHz	41.21	-14.78
1 Max Peak	2.63 MHz	37.89	-18.10

Plot of Conducted Emissions Test Data

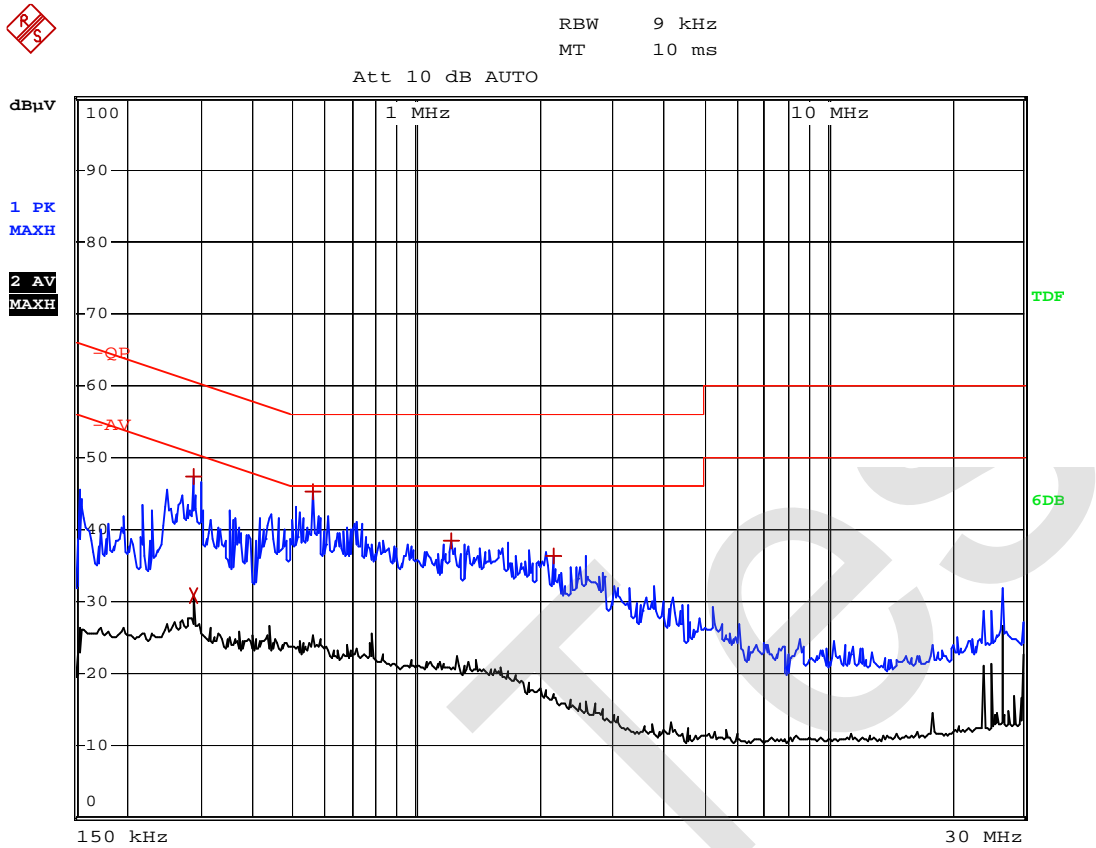
EUT: *ITE POWER SUPPLY*
 Tested Model: *GTM41134-0612-3.0*
 Operating Condition: *Full Load*
 Comment: *Connected to Load*

Test Specification: *Line*



EDIT PEAK LIST (Prescan Results)				
Trace1:		-QP		
Trace2:		-AV		
Trace3:		---		
TRACE		FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1	Max Peak	282 kHz	52.25	-8.50
2	Average	290 kHz	33.45	-17.06
2	Average	478 kHz	31.62	-14.75
1	Max Peak	526 kHz	45.67	-10.32
2	Average	1.138 MHz	26.04	-19.95
1	Max Peak	1.17 MHz	42.64	-13.35
1	Max Peak	2.17 MHz	38.49	-17.50

Test Specification: Neutral

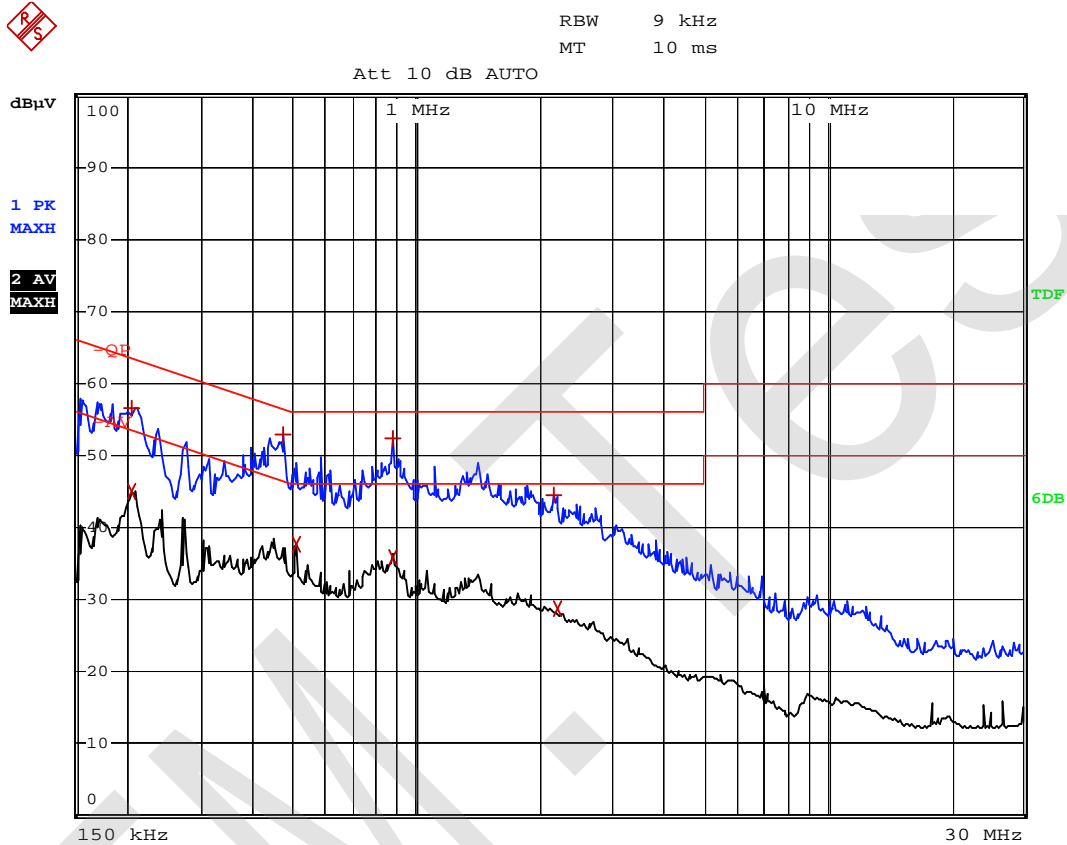


EDIT PEAK LIST (Prescan Results)			
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Max Peak	286 kHz	47.29	-13.34
2 Average	286 kHz	30.81	-19.82
1 Max Peak	558 kHz	45.17	-10.82
1 Max Peak	1.218 MHz	38.45	-17.54
1 Max Peak	2.166 MHz	36.32	-19.67

Plot of Conducted Emissions Test Data

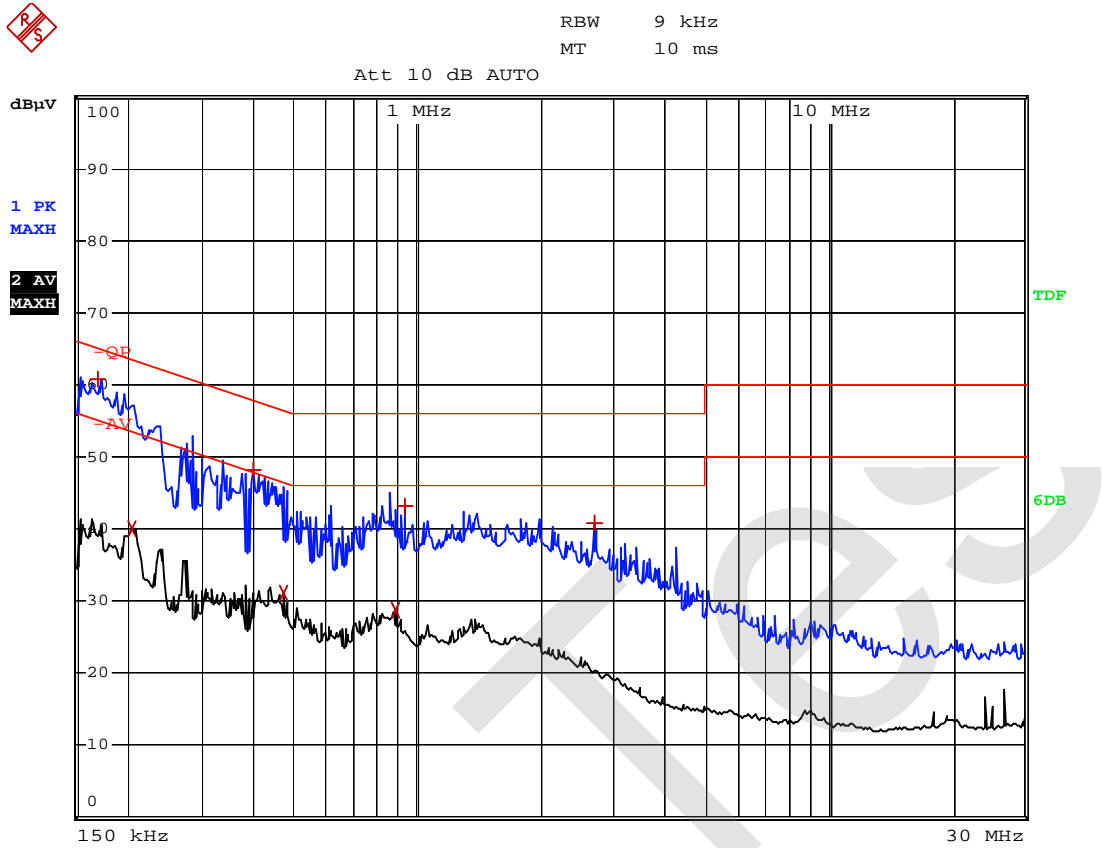
EUT: *ITE POWER SUPPLY*
 Tested Model: *GTM41134-0648*
 Operating Condition: *Full Load*
 Comment: *Connected to Load*

Test Specification: *Line*



EDIT PEAK LIST (Prescan Results)			
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
Trace1:	-QP		
Trace2:	-AV		
Trace3:	---		
1 Max Peak	206 kHz	56.69	-6.67
2 Average	206 kHz	44.96	-8.39
1 Max Peak	470 kHz	52.81	-3.69
2 Average	510 kHz	37.56	-8.43
1 Max Peak	878 kHz	52.30	-3.69
2 Average	878 kHz	35.84	-10.15
1 Max Peak	2.154 MHz	44.47	-11.52
2 Average	2.206 MHz	28.68	-17.31

Test Specification: Neutral

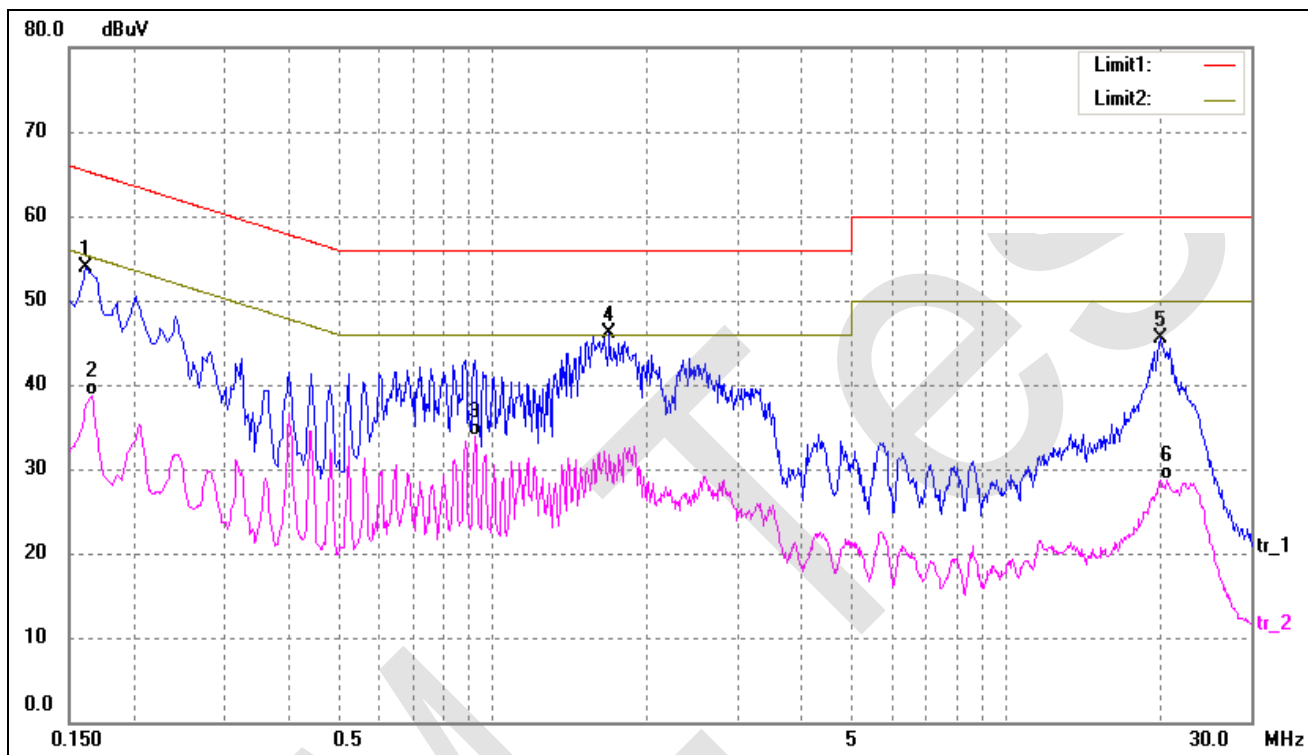


EDIT PEAK LIST (Prescan Results)				
Trace1:		-QP		
Trace2:		-AV		
Trace3:		---		
TRACE		FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1	Max Peak	170 kHz	60.78	-4.18
2	Average	206 kHz	40.10	-13.25
1	Max Peak	398 kHz	48.11	-9.78
2	Average	474 kHz	31.16	-15.27
2	Average	882 kHz	28.64	-17.35
1	Max Peak	930 kHz	43.25	-12.74
1	Max Peak	2.714 MHz	40.83	-15.16

Plot of Conducted Emissions Test Data

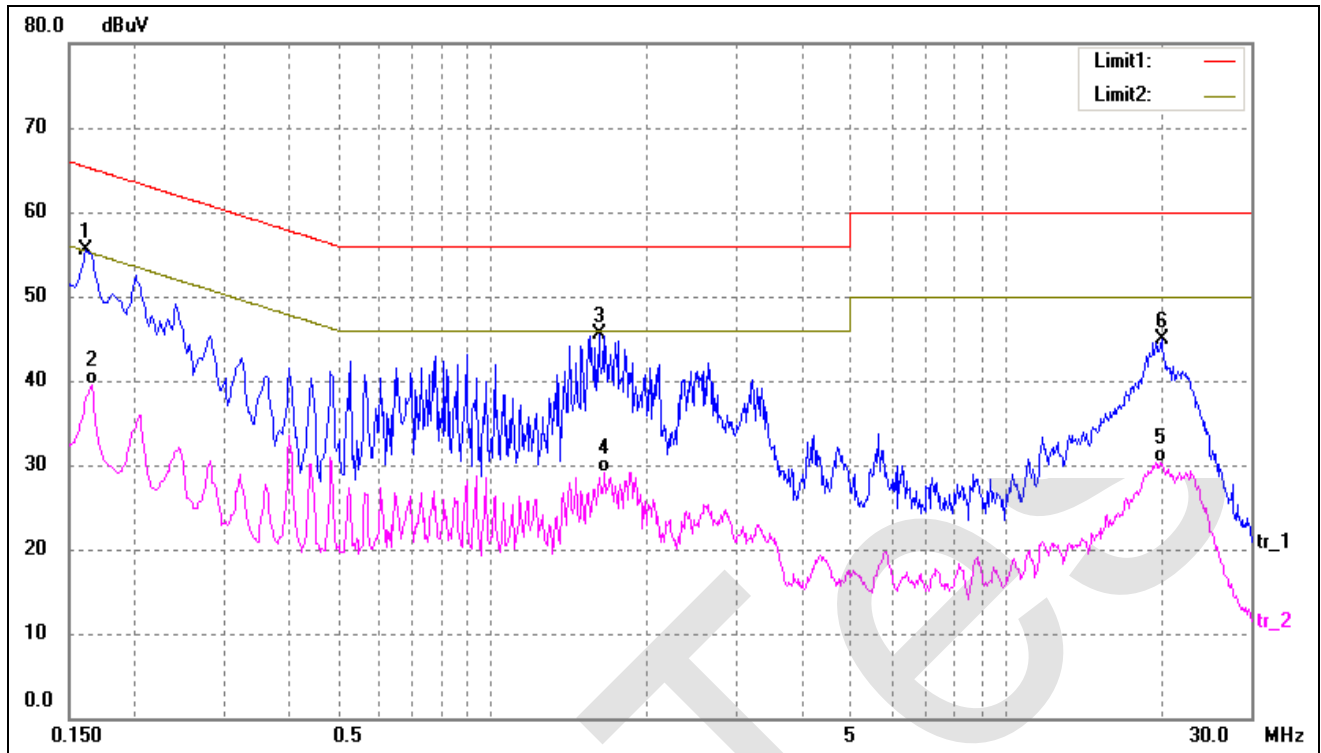
EUT: ITE POWER SUPPLY
 Tested Model: GTM41134-0606-1.0-FT3A
 Operating Condition: Full Load
 Comment: Connected to Load

Test Specification: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	44.43	9.50	53.93	65.36	-11.43	peak
2	0.1660	29.21	9.50	38.71	55.16	-16.45	AVG
3	0.9260	23.98	9.93	33.91	46.00	-12.09	AVG
4*	1.6940	36.05	10.00	46.05	56.00	-9.95	peak
5	20.0300	33.44	12.00	45.44	60.00	-14.56	peak
6	20.5660	16.66	12.00	28.66	50.00	-21.34	AVG

Test Specification: Neutral

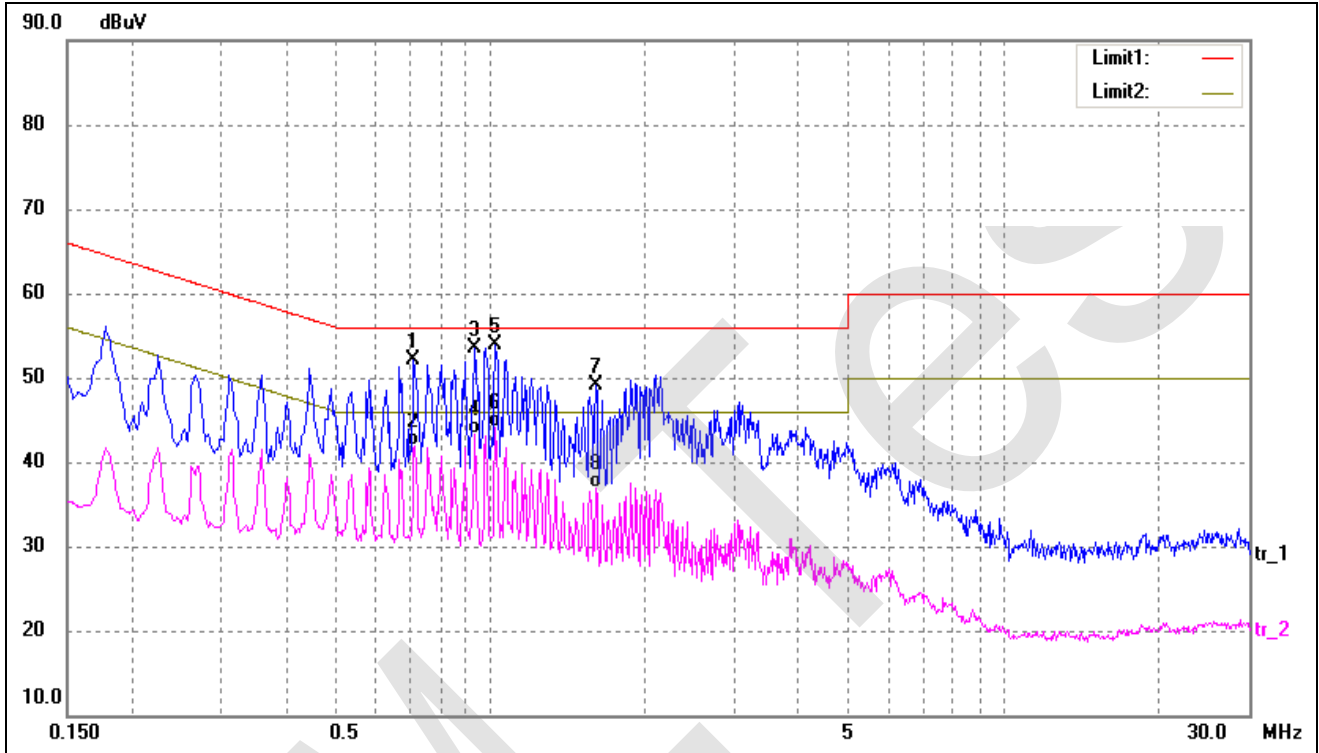


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1620	46.00	9.50	55.50	65.36	-9.86	peak
2	0.1660	29.93	9.50	39.43	55.15	-15.72	AVG
3	1.6180	35.43	10.00	45.43	56.00	-10.57	peak
4	1.6580	19.12	10.00	29.12	46.00	-16.88	AVG
5	19.9780	18.37	12.00	30.37	50.00	-19.63	AVG
6	20.1380	32.93	12.00	44.93	60.00	-15.07	peak

Plot of Conducted Emissions Test Data

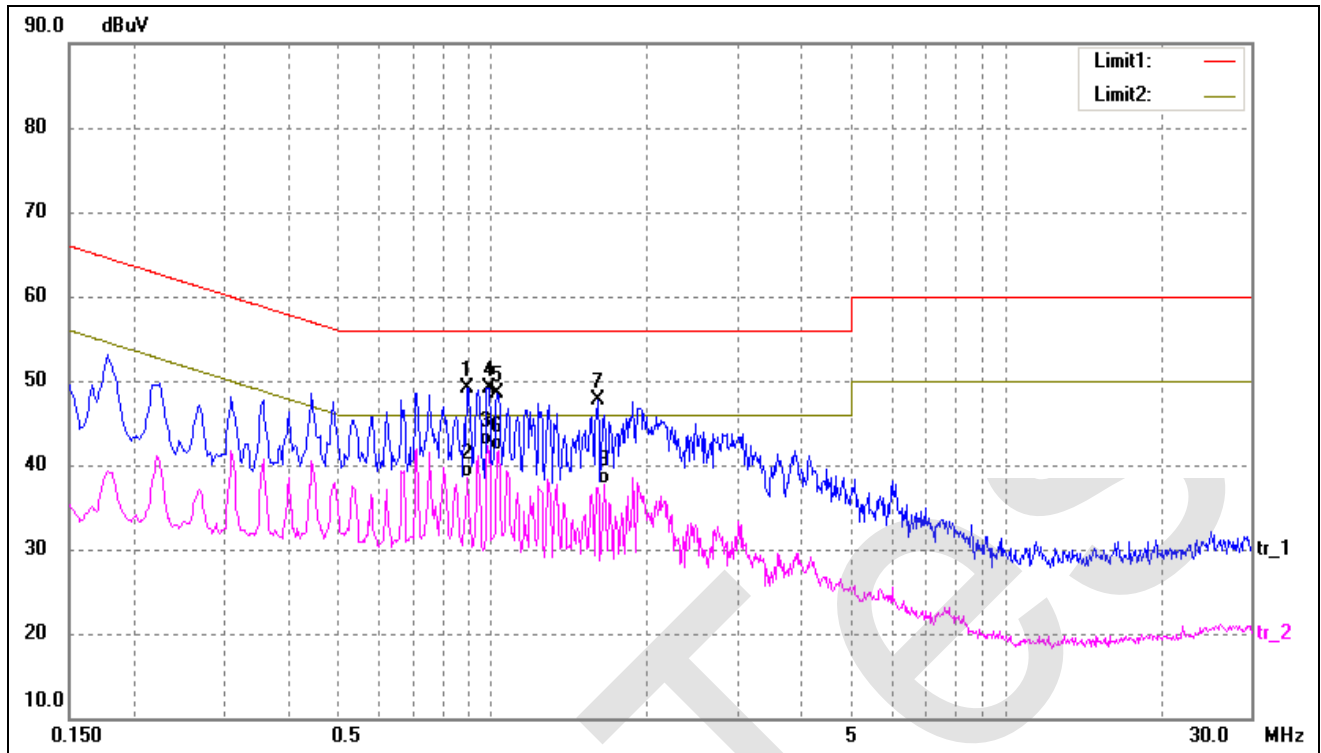
EUT: *ITE POWER SUPPLY*
 Tested Model: *GTM96060-0606-1.0*
 Operating Condition: *Full Load*
 Comment: *Connected to Load*

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.7100	39.41	12.71	52.12	56.00	-3.88	peak
2	0.7140	29.16	12.71	41.87	46.00	-4.13	AVG
3	0.9300	40.50	12.93	53.43	56.00	-2.57	peak
4	0.9340	30.44	12.93	43.37	46.00	-2.63	AVG
5	1.0260	40.84	13.00	53.84	56.00	-2.16	peak
6*	1.0260	31.14	13.00	44.14	46.00	-1.86	AVG
7	1.6060	36.17	13.00	49.17	56.00	-6.83	peak
8	1.6060	23.82	13.00	36.82	46.00	-9.18	AVG

Test Specification: Neutral

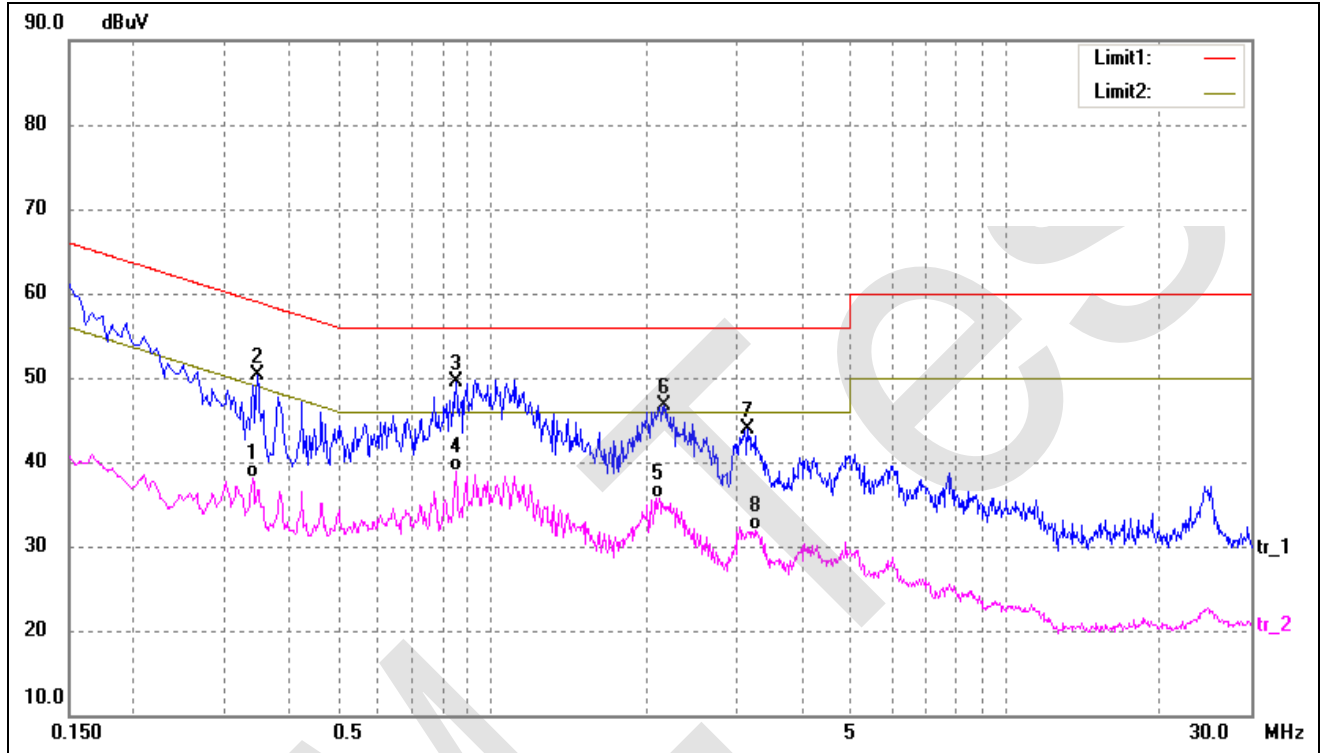


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.8900	36.31	12.89	49.20	56.00	-6.80	peak
2	0.8980	25.57	12.90	38.47	46.00	-7.53	AVG
3*	0.9820	29.41	12.98	42.39	46.00	-3.61	AVG
4	0.9860	36.15	12.99	49.14	56.00	-6.86	peak
5	1.0260	35.59	13.00	48.59	56.00	-7.41	peak
6	1.0300	28.68	13.00	41.68	46.00	-4.32	AVG
7	1.6020	34.66	13.00	47.66	56.00	-8.34	peak
8	1.6580	24.77	13.00	37.77	46.00	-8.23	AVG

Plot of Conducted Emissions Test Data

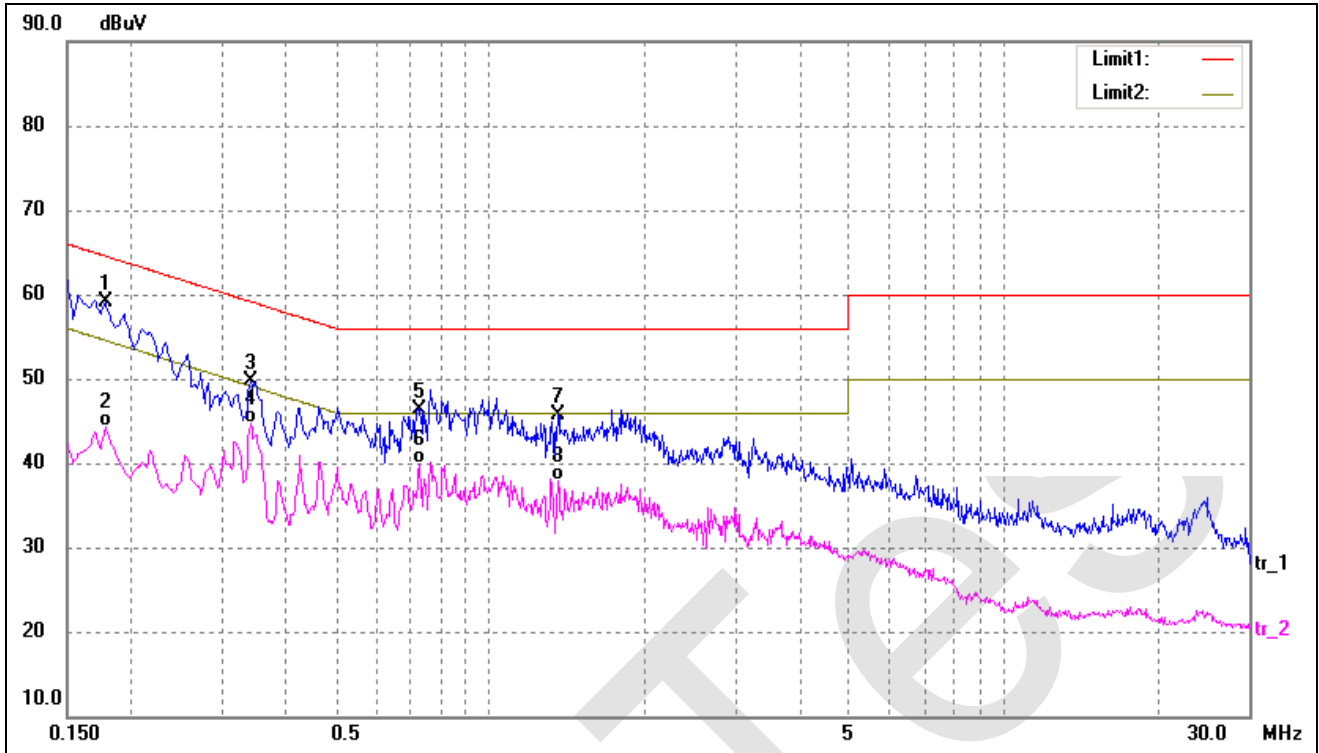
EUT: *ITE POWER SUPPLY*
 Tested Model: *GTM96060-0624*
 Operating Condition: *Full Load*
 Comment: *Connected to Load*

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3420	25.66	12.50	38.16	49.15	-10.99	AVG
2	0.3500	37.87	12.50	50.37	58.96	-8.59	peak
3*	0.8500	36.72	12.85	49.57	56.00	-6.43	peak
4	0.8500	26.02	12.85	38.87	46.00	-7.13	AVG
5	2.1180	22.79	13.00	35.79	46.00	-10.21	AVG
6	2.1580	33.71	13.00	46.71	56.00	-9.29	peak
7	3.1420	30.94	13.00	43.94	56.00	-12.06	peak
8	3.2420	18.82	13.00	31.82	46.00	-14.18	AVG

Test Specification: Neutral

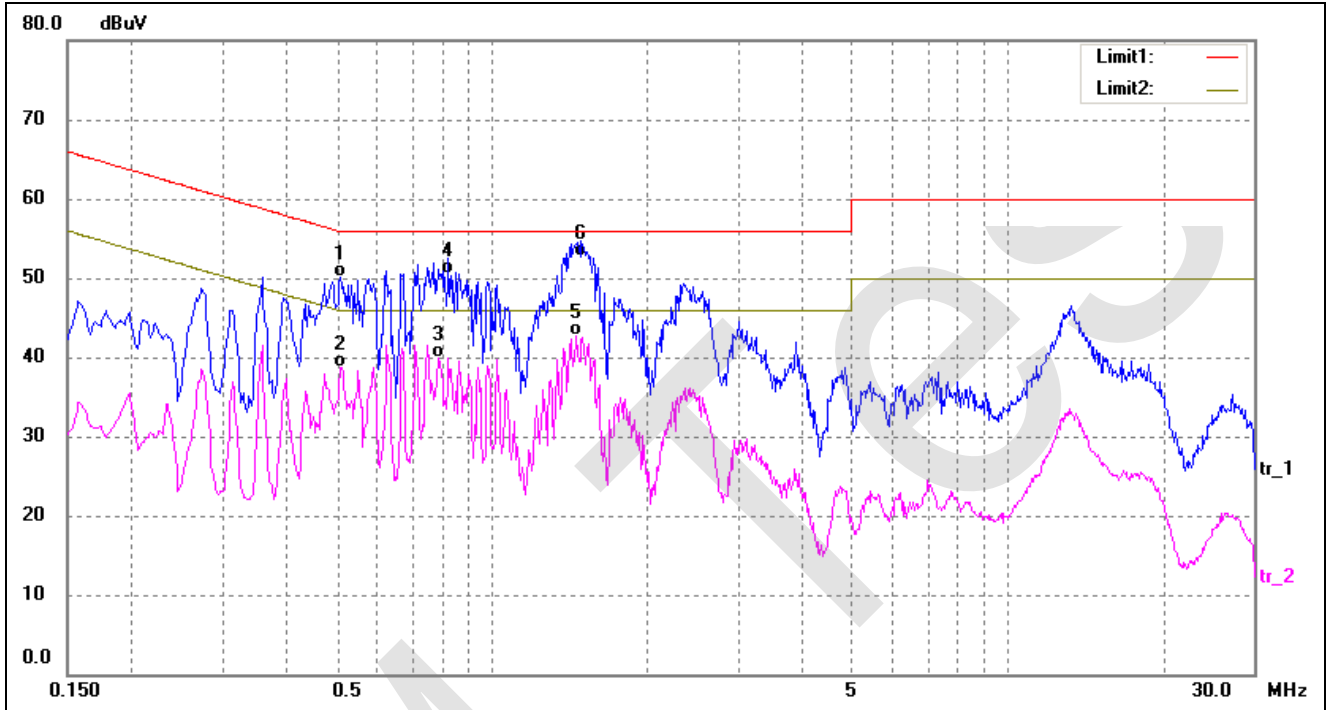


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	46.52	12.50	59.02	64.58	-5.56	peak
2	0.1780	31.81	12.50	44.31	54.58	-10.27	AVG
3	0.3420	37.18	12.50	49.68	59.15	-9.47	peak
4*	0.3420	32.17	12.50	44.67	49.15	-4.48	AVG
5	0.7300	33.67	12.73	46.40	56.00	-9.60	peak
6	0.7300	27.10	12.73	39.83	46.00	-6.17	AVG
7	1.3580	32.80	13.00	45.80	56.00	-10.20	peak
8	1.3580	24.85	13.00	37.85	46.00	-8.15	AVG

Plot of Conducted Emissions Test Data

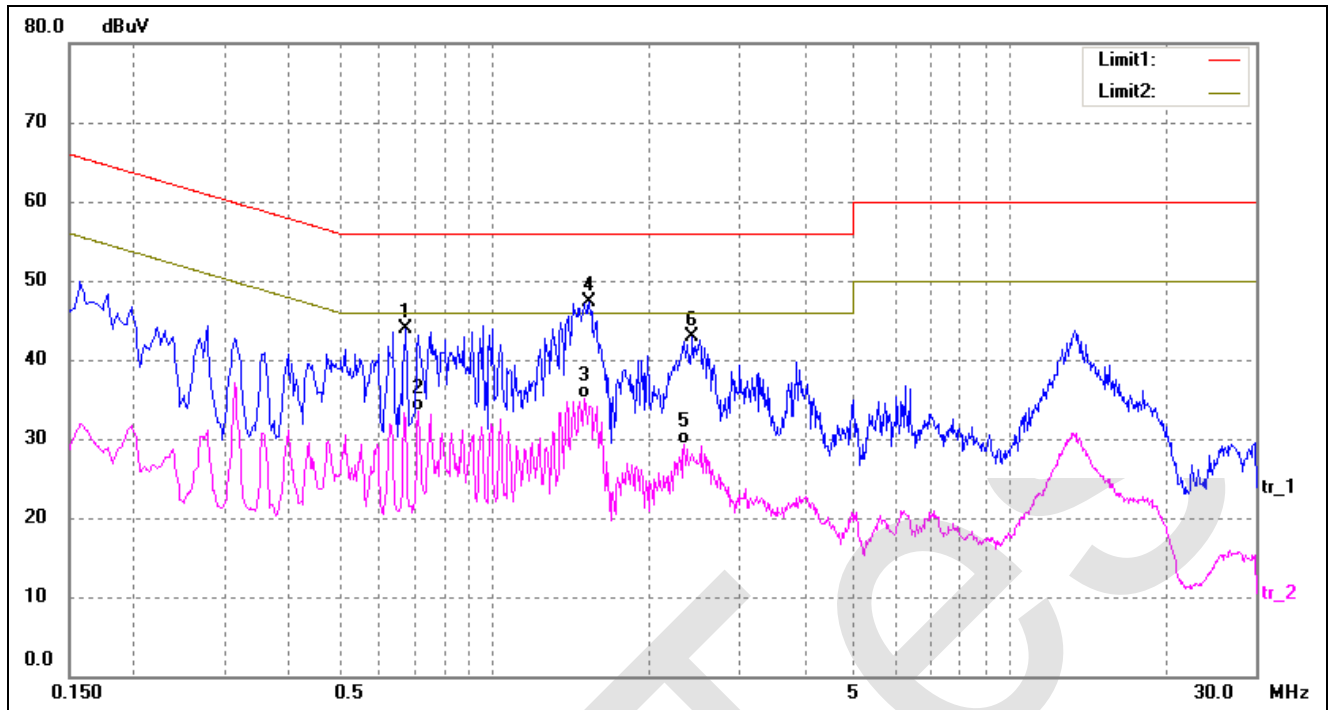
EUT: ITE POWER SUPPLY
 Tested Model: GTM41134-0624
 Operating Condition: Working
 Comment: AC 230V/50Hz

Test Specification: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5100	40.57	9.56	50.13	56.00	-5.87	QP
2	0.5100	29.11	9.56	38.67	46.00	-7.33	AVG
3	0.7900	30.35	9.63	39.98	46.00	-6.02	AVG
4	0.8260	40.91	9.64	50.55	56.00	-5.45	QP
5*	1.4620	32.98	9.74	42.72	46.00	-3.28	AVG
6	1.4940	42.89	9.75	52.64	56.00	-3.36	QP

Test Specification: Neutral

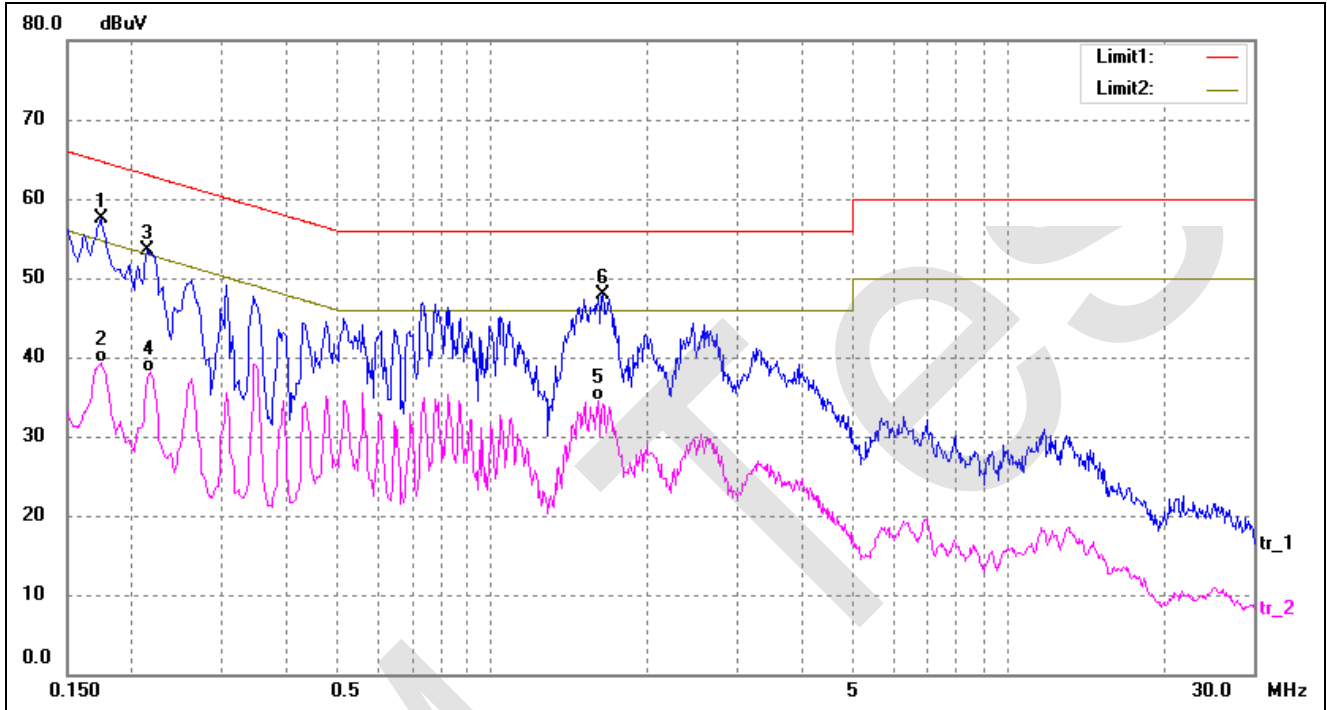


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.6740	34.29	9.60	43.89	56.00	-12.11	peak
2	0.7140	23.88	9.61	33.49	46.00	-12.51	AVG
3	1.4980	25.29	9.75	35.04	46.00	-10.96	AVG
4*	1.5340	37.62	9.75	47.37	56.00	-8.63	peak
5	2.3380	19.35	9.87	29.22	46.00	-16.78	AVG
6	2.4220	33.08	9.88	42.96	56.00	-13.04	peak

Plot of Conducted Emissions Test Data

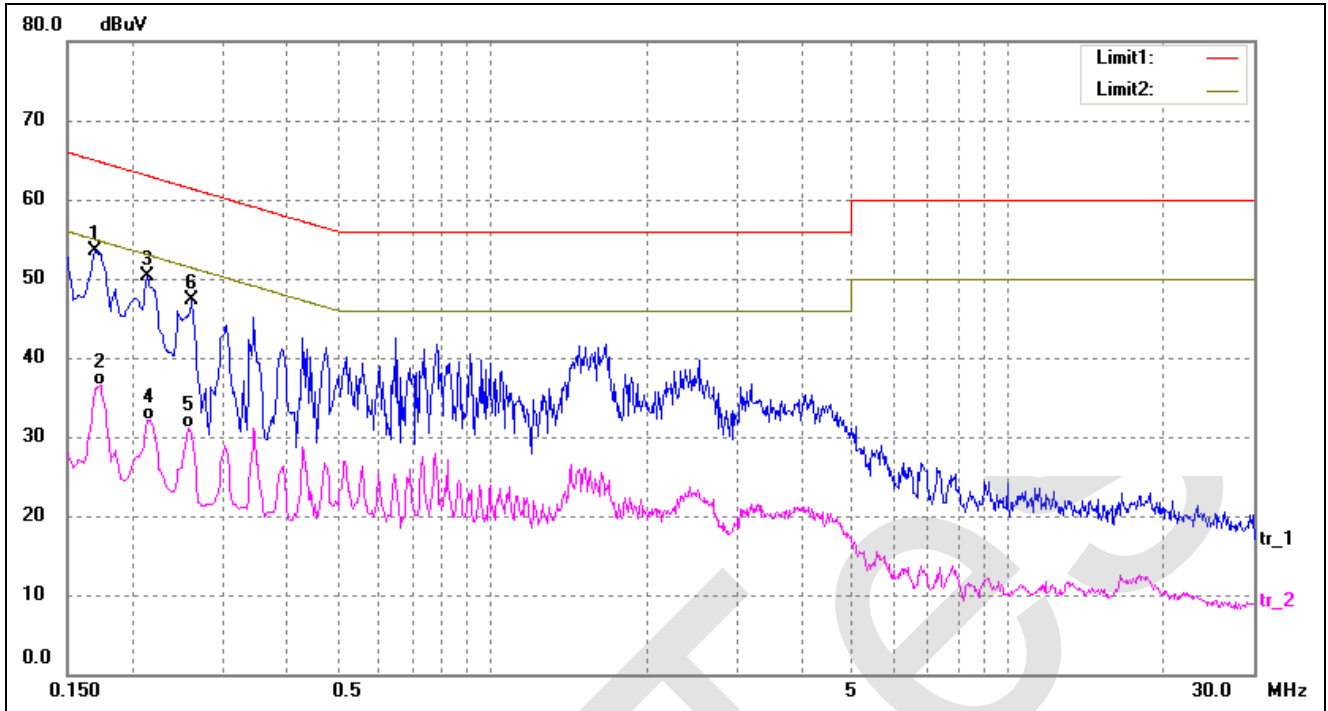
EUT: ITE POWER SUPPLY
 Tested Model: GTM41134-0606-1.0
 Operating Condition: Working
 Comment: AC 230V/50Hz

Test Specification: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1740	48.08	9.50	57.58	64.77	-7.19	peak
2	0.1740	29.75	9.50	39.25	54.77	-15.52	AVG
3	0.2140	43.97	9.50	53.47	63.05	-9.58	peak
4	0.2180	28.56	9.50	38.06	52.89	-14.83	AVG
5	1.6060	24.69	9.76	34.45	46.00	-11.55	AVG
6	1.6420	38.09	9.77	47.86	56.00	-8.14	peak

Test Specification: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1700	44.09	9.50	53.59	64.96	-11.37	peak
2	0.1740	27.05	9.50	36.55	54.77	-18.22	AVG
3	0.2140	40.77	9.50	50.27	63.05	-12.78	peak
4	0.2180	22.53	9.50	32.03	52.89	-20.86	AVG
5	0.2580	21.59	9.50	31.09	51.50	-20.41	AVG
6	0.2620	37.76	9.50	47.26	61.37	-14.11	peak

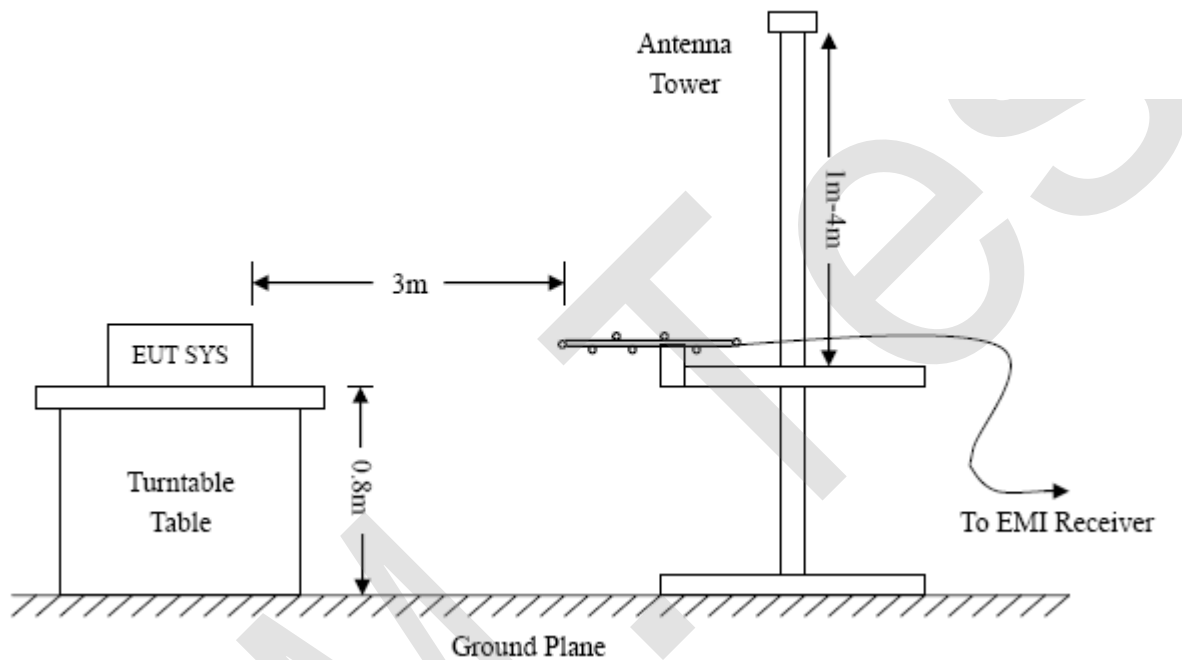
4. Radiated Emission

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 is ± 5.10 dB.

4.2 Test Procedure

Test is conducting under the description of EN55032 Annex A.3.4.



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:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of $-6\text{dB}\mu\text{V}$ means the emission is $6\text{dB}\mu\text{V}$ below the maximum limit for Class B device. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{EN55032 Class B Limit}$$

4.4 Environmental Conditions

Temperature:	23° C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

4.5 Summary of Test Results/Plots

According to the data in section 4.5, the EUT complied with the EN55032 Class B standards, and had the worst margin is:

**-4.14 dB at 35.7491 MHz in the Vertical polarization, GTM41134-0612-3.0 Model,
30 MHz to 1 GHz, 3Meters**

Plot of Radiated Emissions Test Data

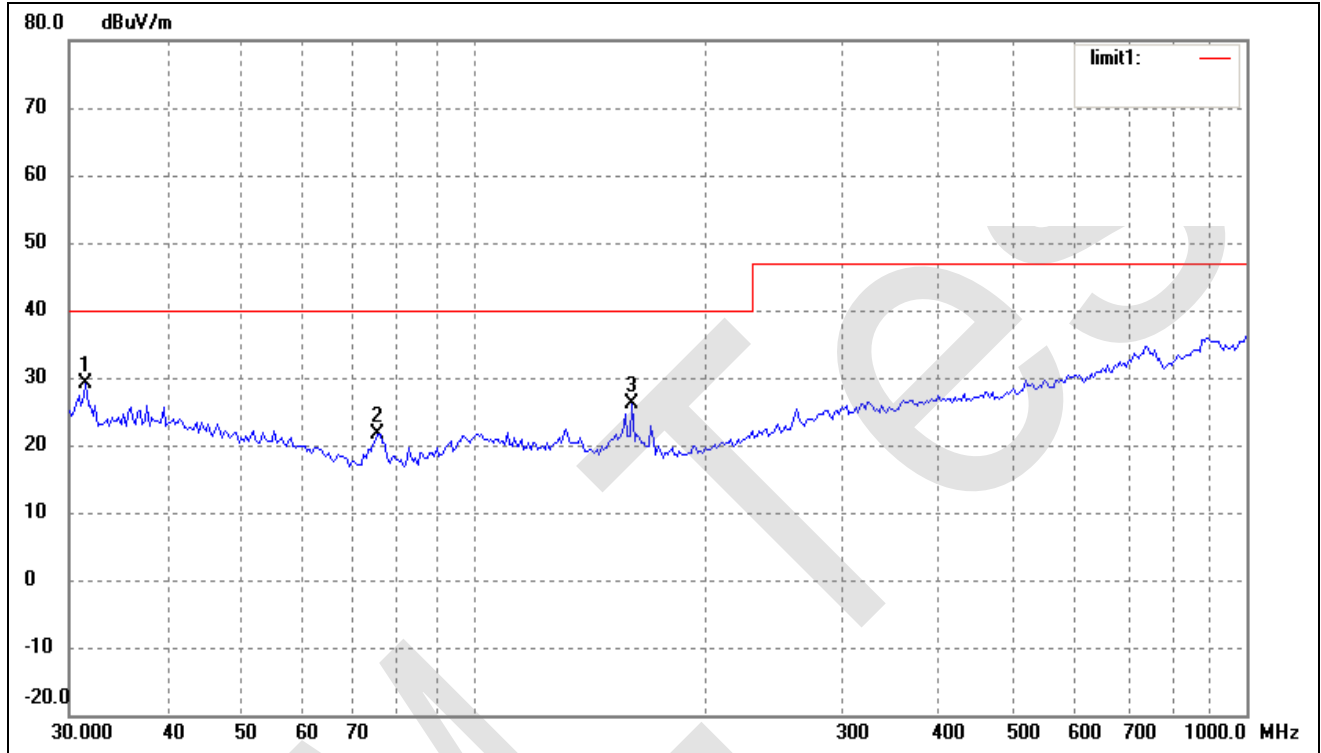
EUT: ITE POWER SUPPLY

Tested Model: GTM41134-0603

Operating Condition: Full Load

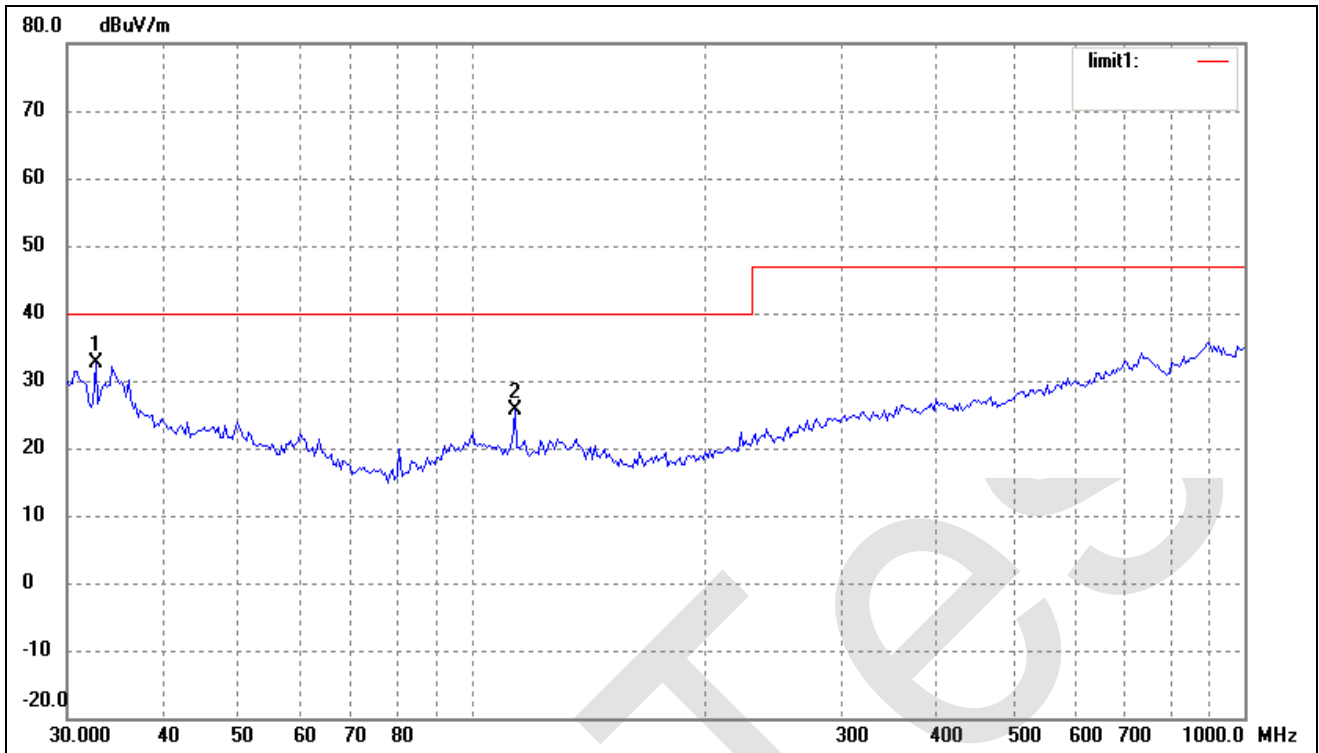
Comment: Connected to Load

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	31.5095	20.83	8.30	29.13	40.00	-10.87	359	100	peak
2	75.1823	19.70	1.94	21.64	40.00	-18.36	359	100	peak
3	160.3457	22.44	3.65	26.09	40.00	-13.91	359	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	32.6340	24.15	8.49	32.64	40.00	-7.36	359	100	peak
2	113.7143	20.27	5.48	25.75	40.00	-14.25	359	100	peak

Plot of Radiated Emissions Test Data

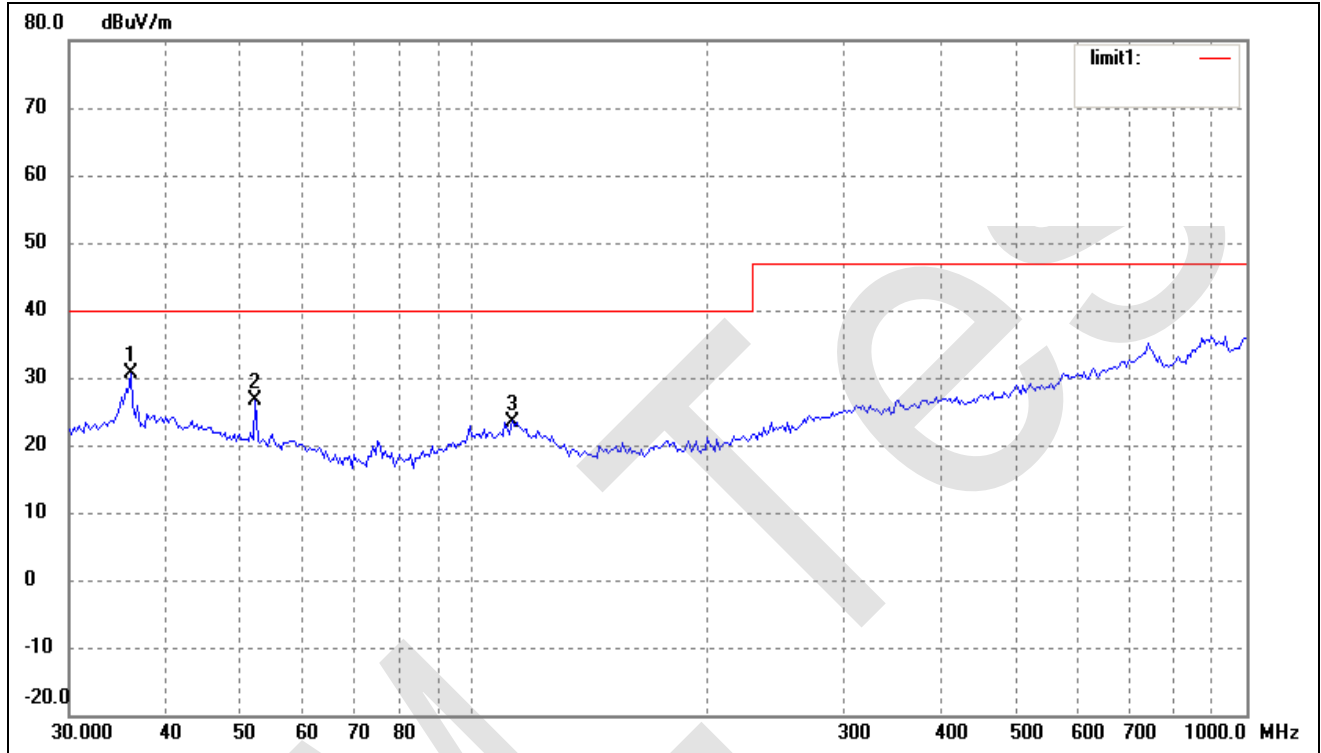
EUT: ITE POWER SUPPLY

Tested Model: GTM41134-0612-3.0

Operating Condition: Full Load

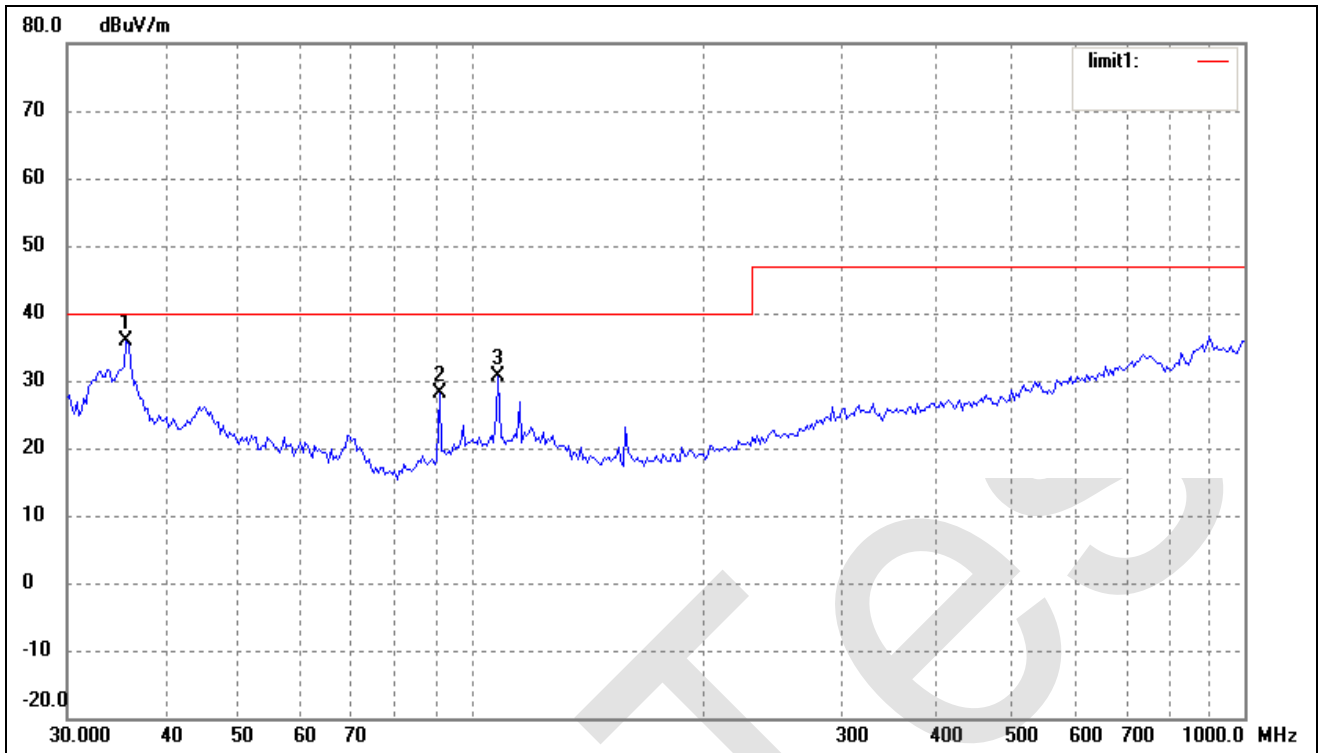
Comment: Connected to Load

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.0007	21.53	9.04	30.57	40.00	-9.43	359	200	peak
2	52.2079	20.16	6.42	26.58	40.00	-13.42	359	200	peak
3	112.1305	17.85	5.65	23.50	40.00	-16.50	359	200	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.7491	26.86	9.00	35.86	40.00	-4.14	359	100	peak
2	90.8554	23.52	4.58	28.10	40.00	-11.90	359	100	peak
3	108.2667	24.52	6.02	30.54	40.00	-9.46	359	100	peak

Plot of Radiated Emissions Test Data

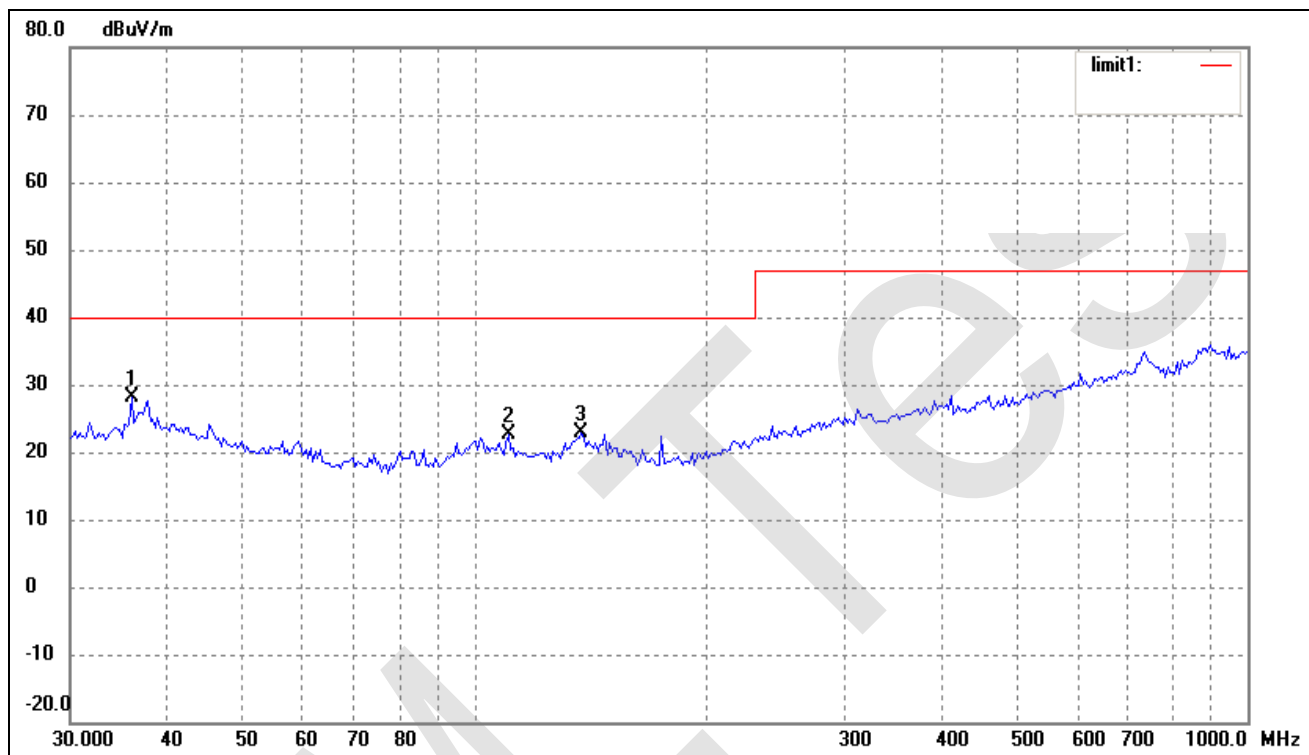
EUT: ITE POWER SUPPLY

Tested Model: GTM41134-0648

Operating Condition: Full Load

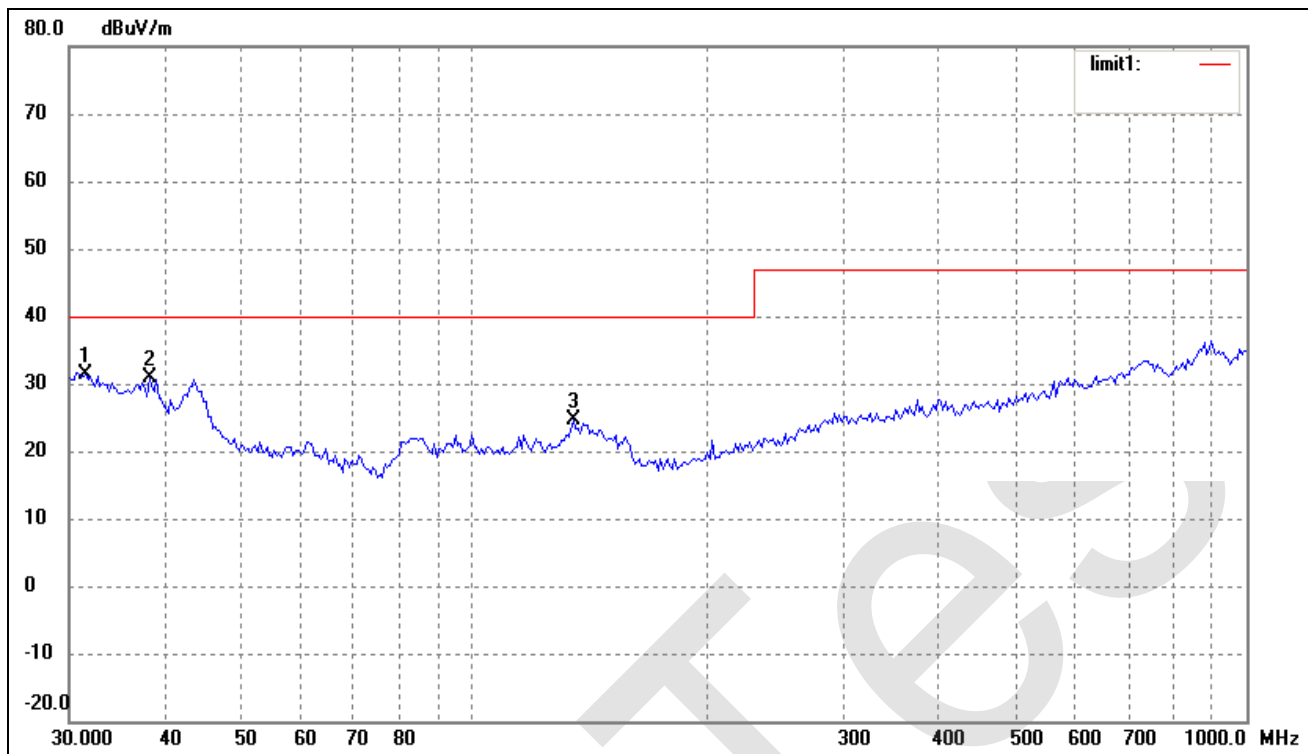
Comment: Connected to Load

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.0007	19.07	9.04	28.11	40.00	-11.89	359	200	peak
2	110.5687	16.73	5.80	22.53	40.00	-17.47	359	200	peak
3	137.4202	19.26	3.58	22.84	40.00	-17.16	359	200	peak

Test Specification: Vertical

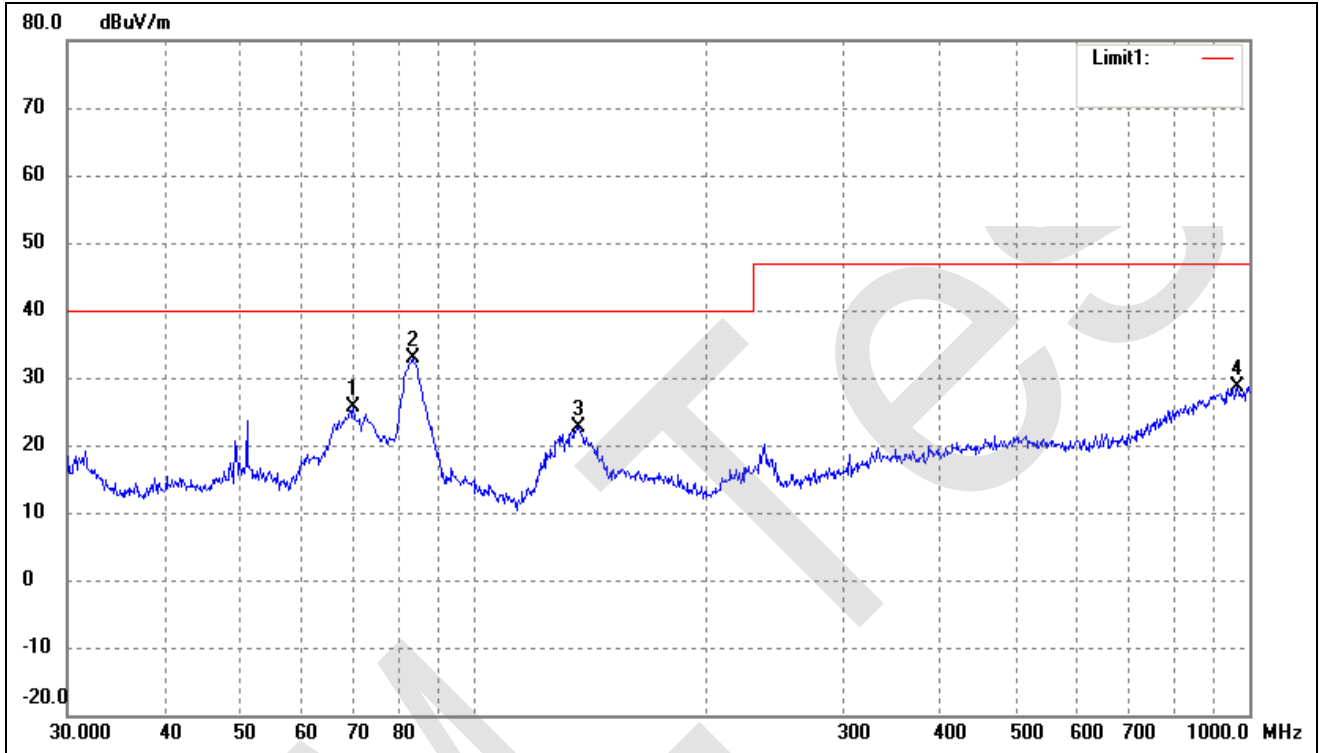


No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	31.5095	22.97	8.30	31.27	40.00	-8.73	359	100	peak
2	38.0783	21.58	9.37	30.95	40.00	-9.05	359	100	peak
3	134.5592	20.83	3.78	24.61	40.00	-15.39	359	100	peak

Plot of Radiated Emissions Test Data

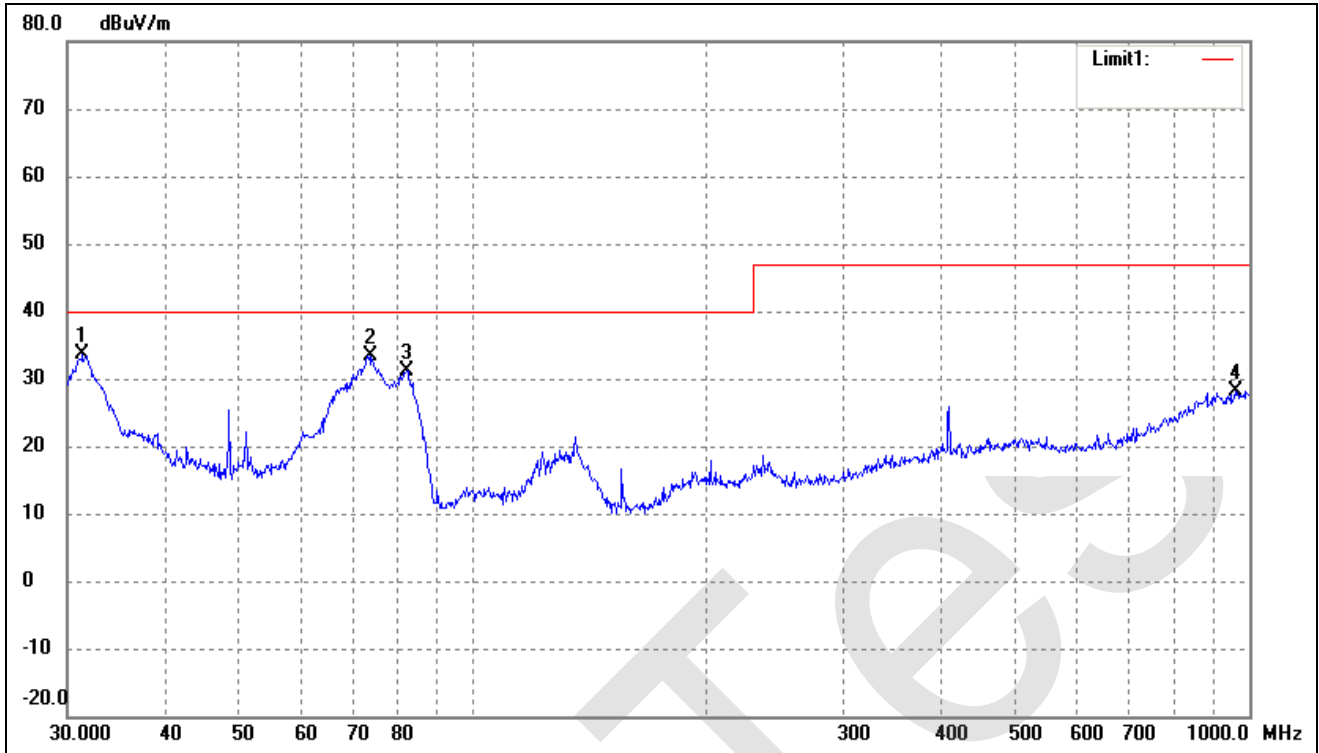
EUT: *ITE POWER SUPPLY*
 Tested Model: *GTM41134-0606-1.0-FT3A*
 Operating Condition: *Full Load*
 Comment: *Connected to Load*

 Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Detector
1	70.0903	37.41	-11.72	25.69	40.00	-14.31	215	100	peak
2*	83.5222	45.62	-12.79	32.83	40.00	-7.17	236	100	peak
3	136.4598	35.69	-13.01	22.68	40.00	-17.32	124	100	peak
4	965.5421	22.69	6.03	28.72	47.00	-18.28	178	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Detector
1*	31.3992	44.28	-10.76	33.52	40.00	-6.48	125	100	peak
2	73.6170	46.12	-12.80	33.32	40.00	-6.68	136	100	peak
3	82.0706	44.19	-13.09	31.10	40.00	-8.90	159	100	peak
4	958.7943	22.24	5.98	28.22	47.00	-18.78	188	100	peak

Plot of Radiated Emissions Test Data

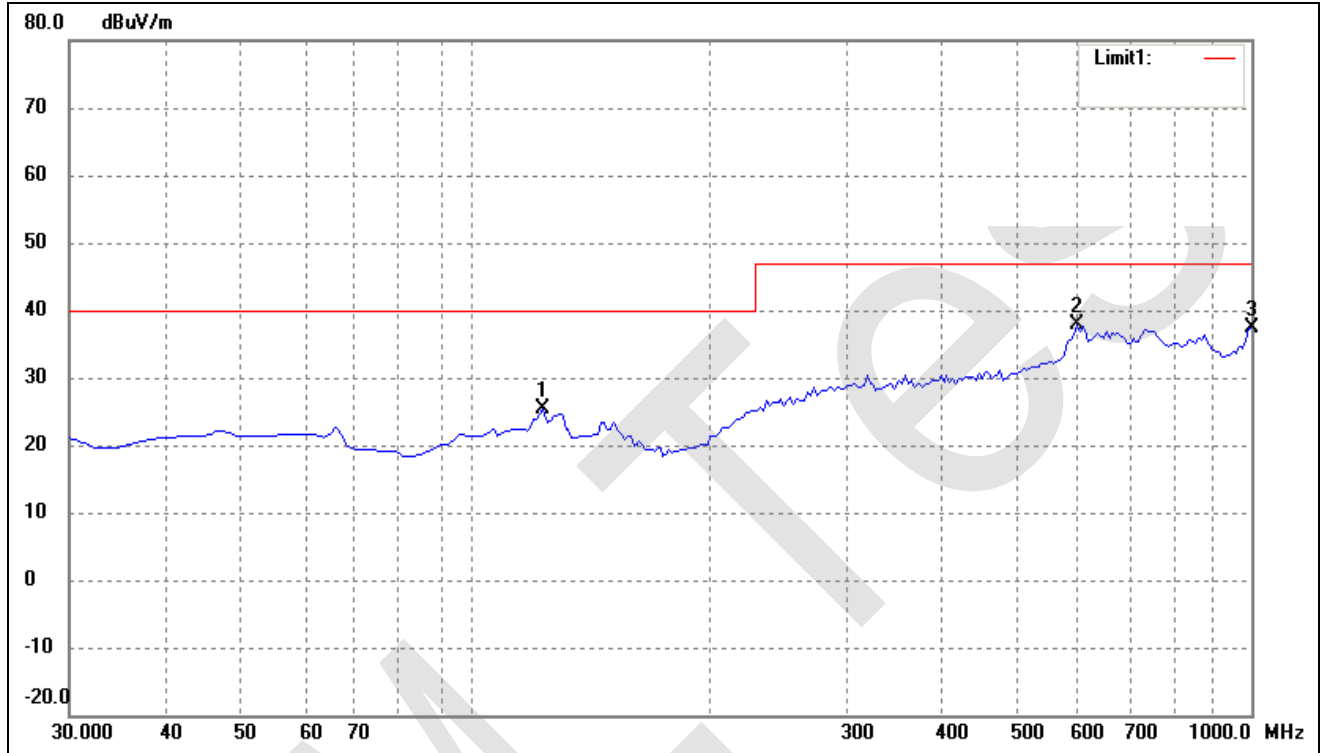
EUT: ITE POWER SUPPLY

Tested Model: GTM96060-0606-1.0

Operating Condition: Full Load

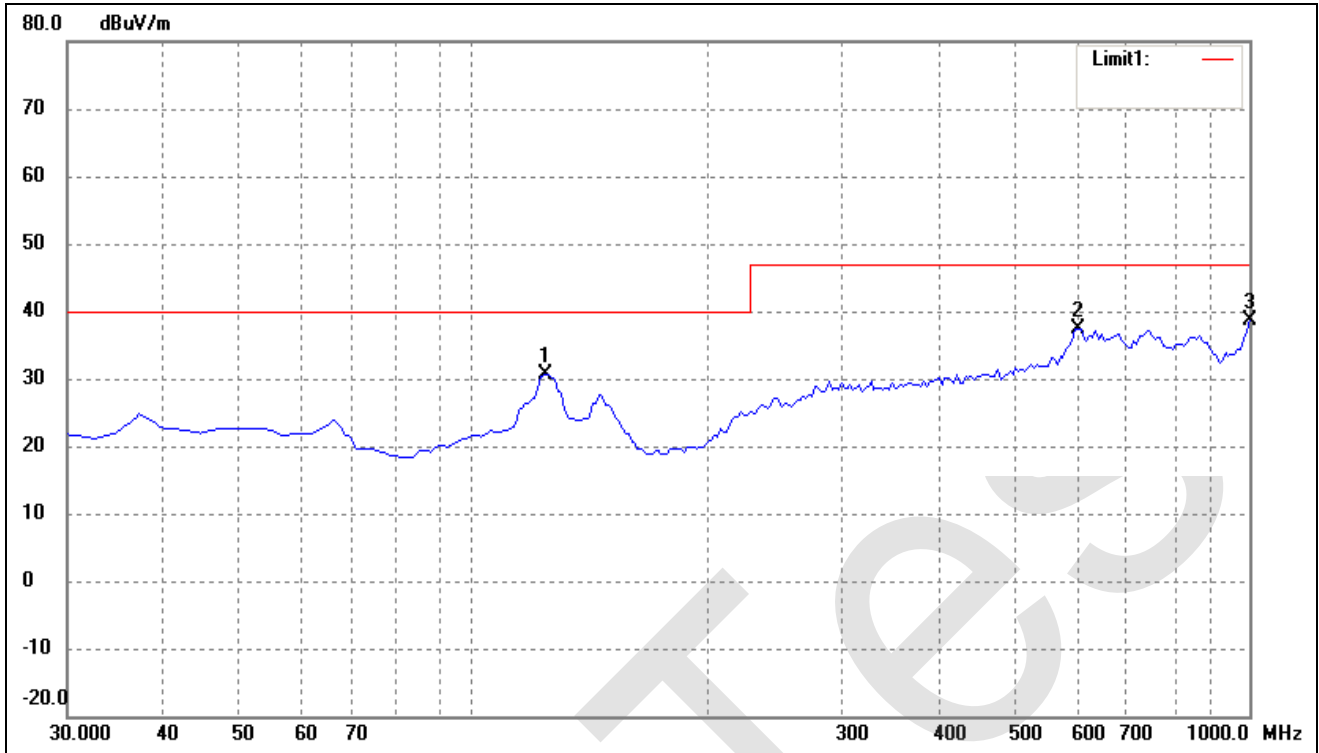
Comment: Connected to Load

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	122.1500	20.52	4.84	25.36	40.00	-14.64	100	100	peak
2	599.8750	18.49	19.30	37.79	47.00	-9.21	100	100	peak
3	1000.0000	16.51	20.91	37.42	47.00	-9.58	100	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	124.5750	26.04	4.65	30.69	40.00	-9.31	100	100	peak
2	602.3000	18.20	19.15	37.35	47.00	-9.65	100	100	peak
3	1000.0000	19.84	18.91	38.75	47.00	-8.25	100	100	peak

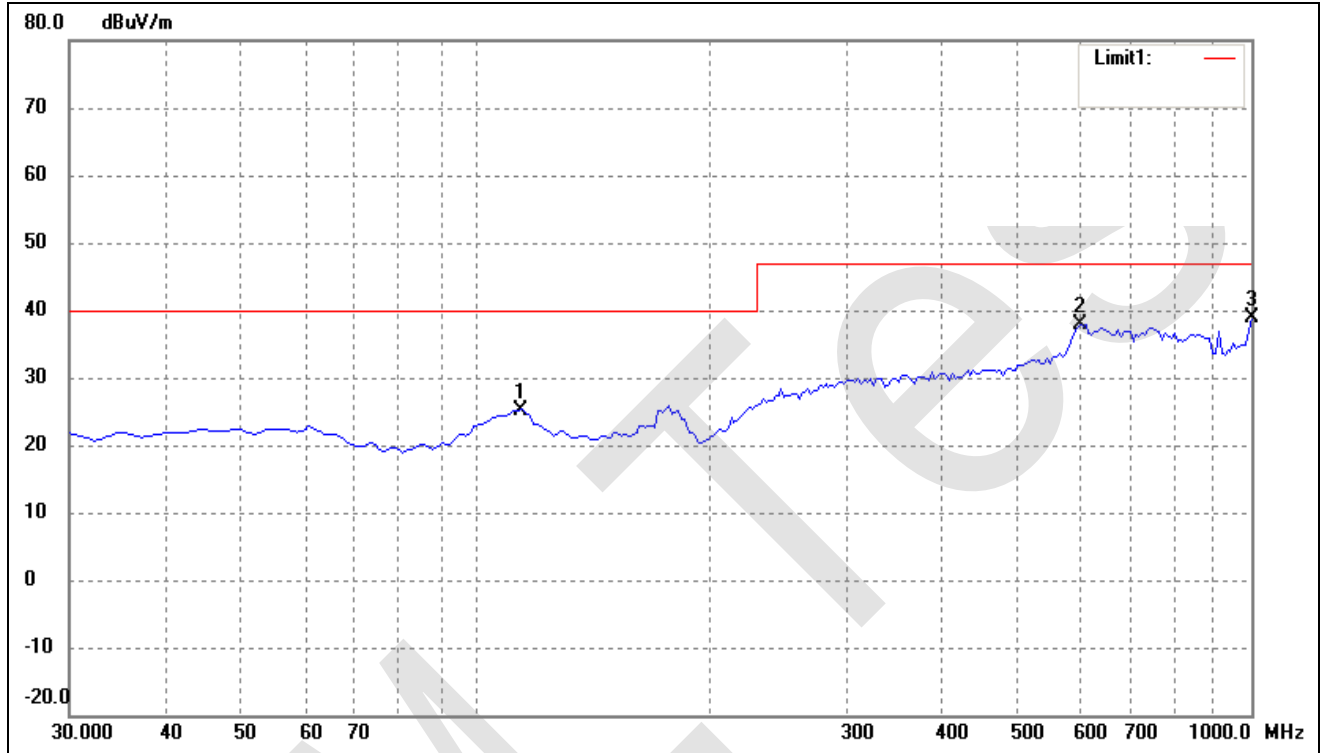
Plot of Radiated Emissions Test Data

 EUT: *ITE POWER SUPPLY*

 Tested Model: *GTM96060-0624*

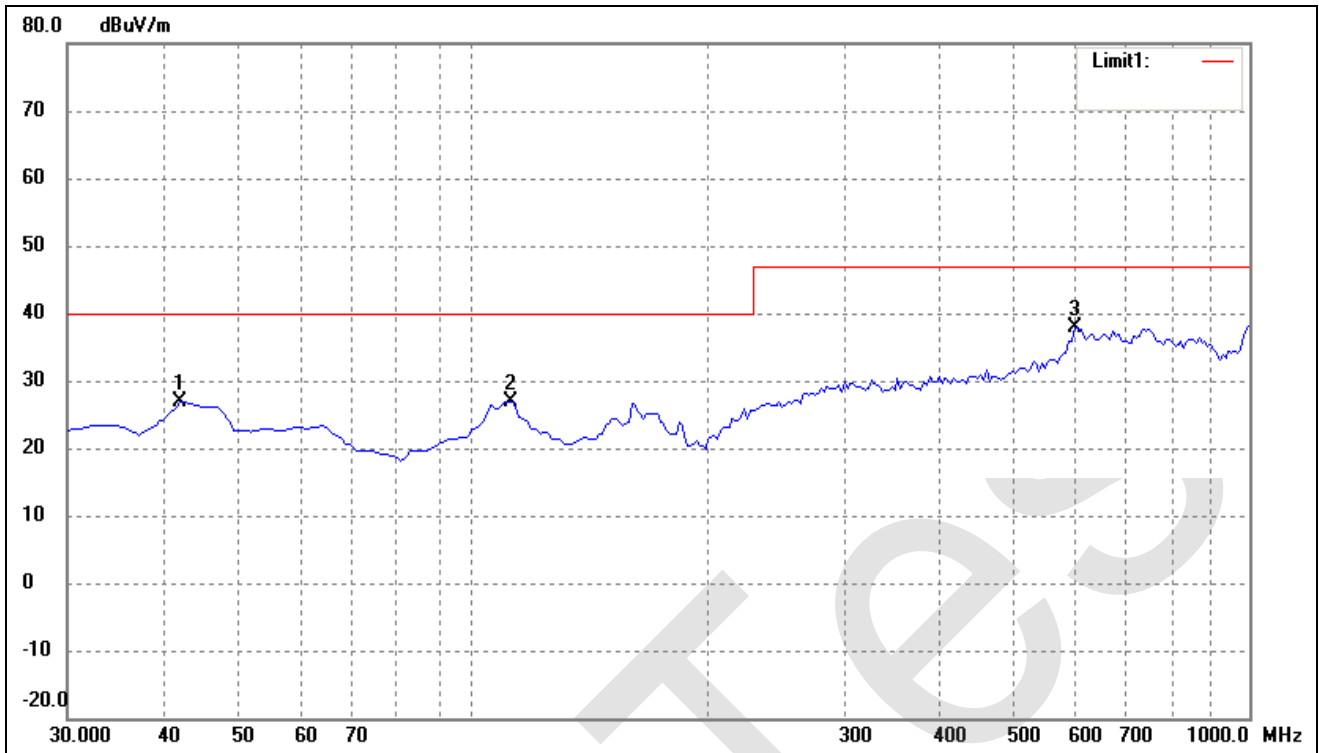
 Operating Condition: *Full Load*

 Comment: *Connected to Load*

 Test Specification: *Horizontal*


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	114.7156	20.20	5.05	25.25	40.00	-14.75	100	100	peak
2	601.4265	18.78	19.22	38.00	47.00	-9.00	100	100	peak
3	1000.0000	17.88	20.91	38.79	47.00	-8.21	100	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	42.1250	21.64	5.25	26.89	40.00	-13.11	100	100	peak
2	112.4500	21.94	5.06	27.00	40.00	-13.00	100	100	peak
3	599.8750	18.50	19.30	37.80	47.00	-9.20	100	100	peak

Plot of Radiated Emissions Test Data

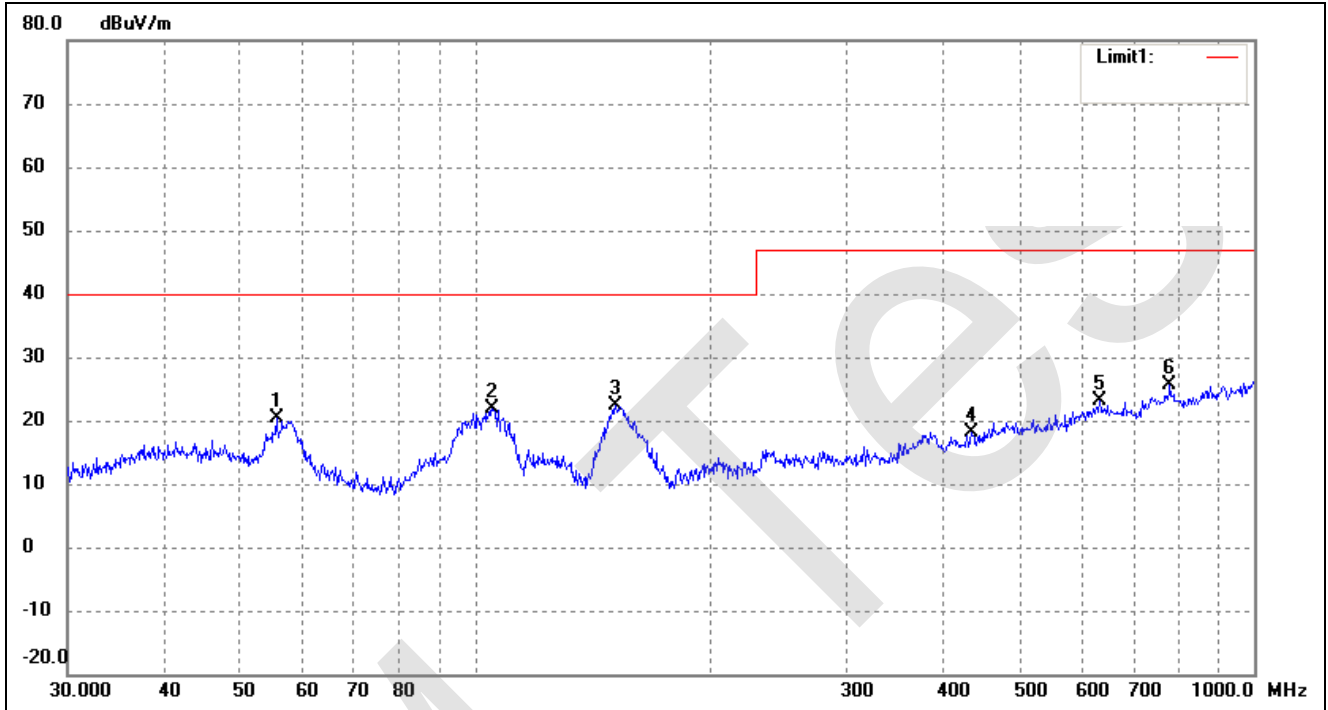
EUT: ITE POWER SUPPLY

Tested Model: GTM41134-0624

Operating Condition: Working

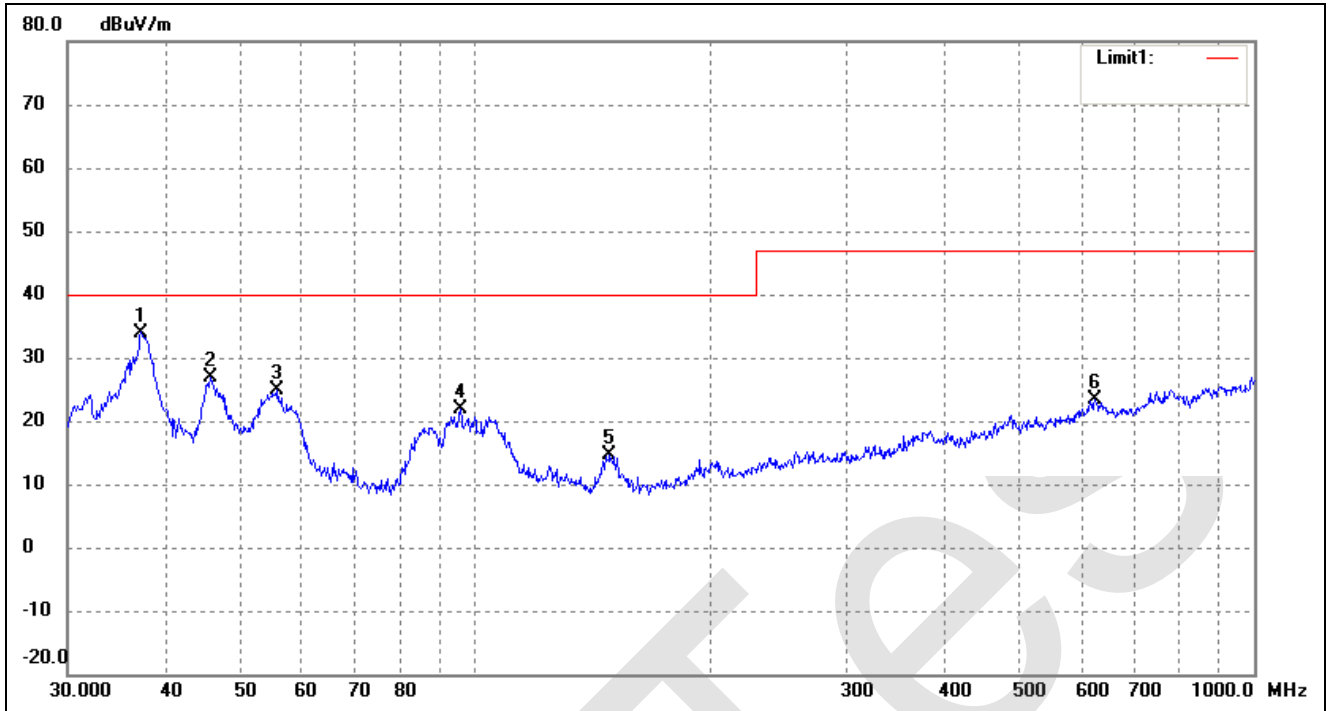
Comment: AC 230V/50Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	55.6094	27.01	-6.65	20.36	40.00	-19.64	100	100	peak
2	105.2718	29.45	-7.61	21.84	40.00	-18.16	100	100	peak
3	151.5972	33.37	-11.01	22.36	40.00	-17.64	100	100	peak
4	434.0651	21.68	-3.53	18.15	47.00	-28.85	100	100	peak
5	633.9073	21.66	1.52	23.18	47.00	-23.82	100	100	peak
6	779.6068	21.60	3.97	25.57	47.00	-21.43	100	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	37.2855	44.40	-10.40	34.00	40.00	-6.00	100	100	peak
2	45.8553	36.94	-9.96	26.98	40.00	-13.02	100	100	peak
3	55.8047	34.71	-9.92	24.79	40.00	-15.21	100	100	peak
4	95.7622	32.73	-10.92	21.81	40.00	-18.19	100	100	peak
5	148.9625	27.03	-12.50	14.53	40.00	-25.47	100	100	peak
6	625.0780	18.74	4.54	23.28	47.00	-23.72	100	100	peak

Plot of Radiated Emissions Test Data

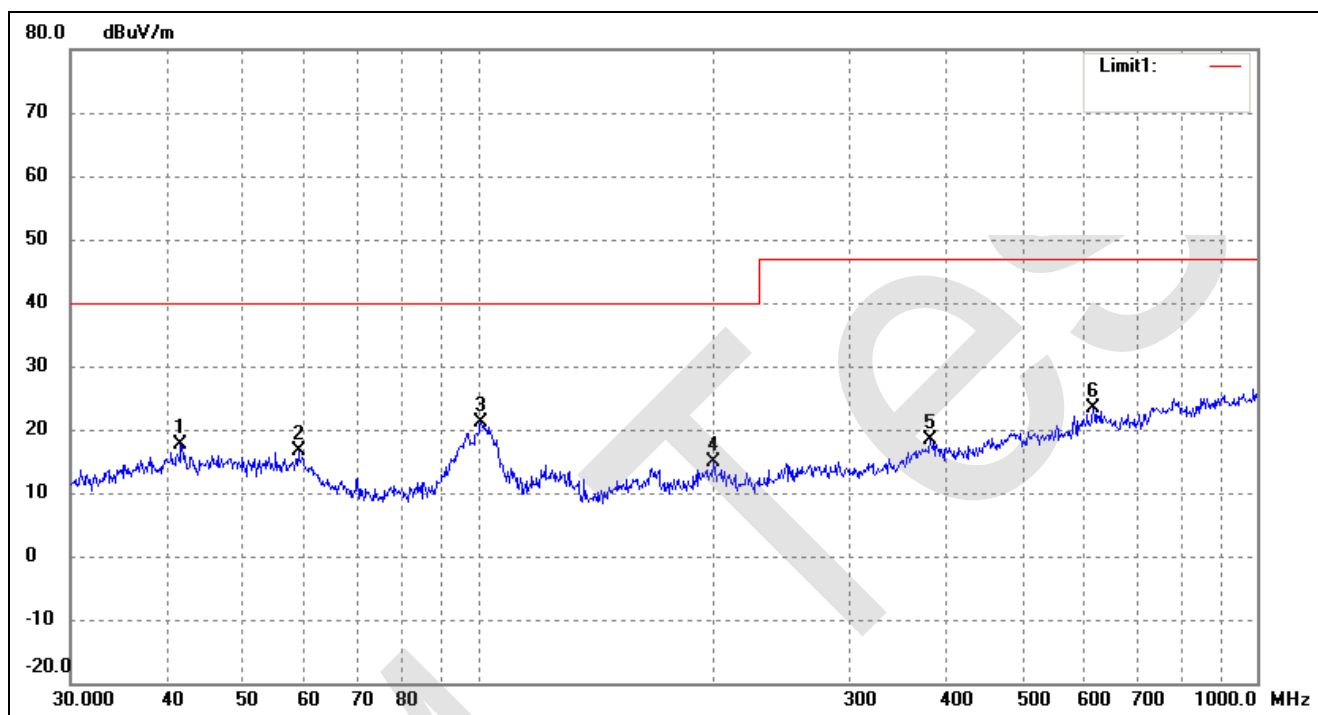
EUT: ITE POWER SUPPLY

Tested Model: GTM41134-0606-1.0

Operating Condition: Working

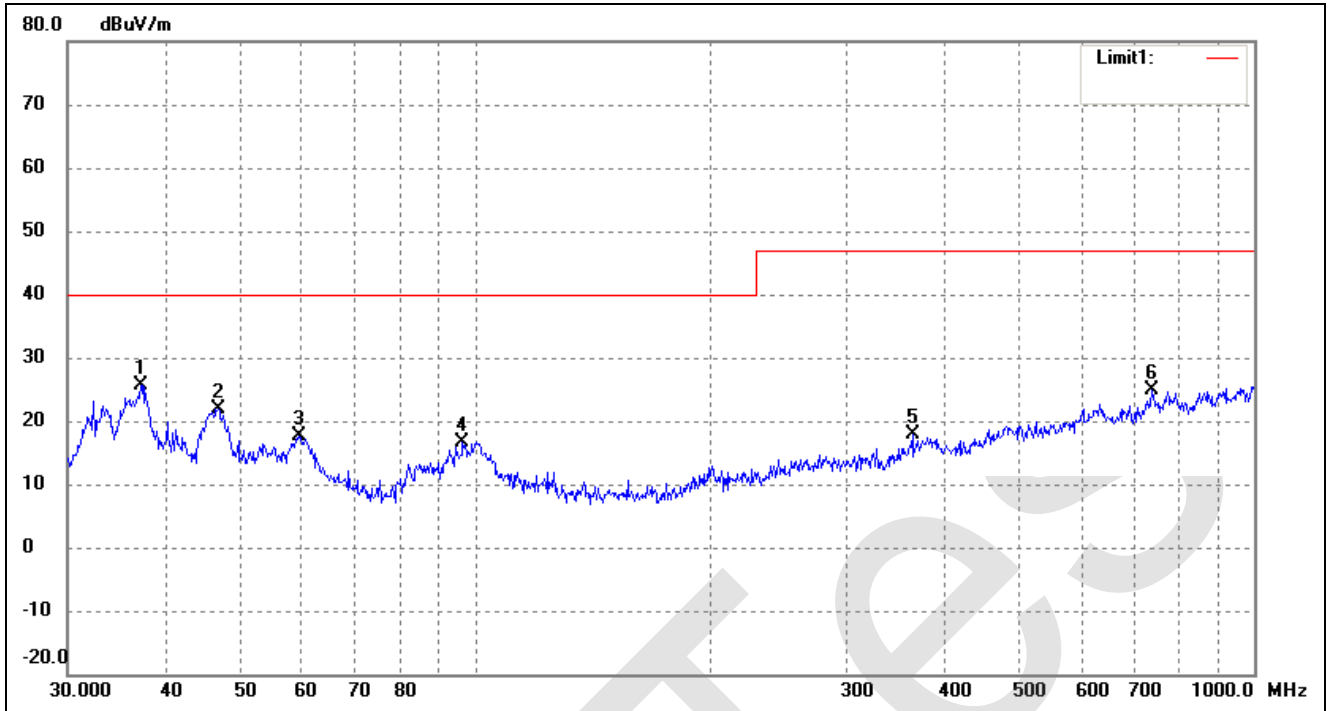
Comment: AC 230V/50Hz

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	41.5670	23.05	-5.44	17.61	40.00	-22.39	100	100	peak
2	58.8185	23.57	-7.05	16.52	40.00	-23.48	100	100	peak
3	100.9340	28.12	-7.10	21.02	40.00	-18.98	100	100	peak
4	200.6881	23.13	-8.33	14.80	40.00	-25.20	100	100	peak
5	379.9141	21.43	-3.10	18.33	47.00	-28.67	100	100	peak
6	616.3718	21.74	1.60	23.34	47.00	-23.66	100	100	peak

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	37.2855	36.15	-10.40	25.75	40.00	-14.25	100	100	peak
2	46.8303	31.86	-9.96	21.90	40.00	-18.10	100	100	peak
3	59.4405	27.50	-9.90	17.60	40.00	-22.40	100	100	peak
4	96.4362	27.40	-10.81	16.59	40.00	-23.41	100	100	peak
5	364.2595	20.80	-3.01	17.79	47.00	-29.21	100	100	peak
6	739.6605	18.69	6.17	24.86	47.00	-22.14	100	100	peak

5. Harmonic Current Emissions

5.1 Test Procedure

Test is conducting under the description of EN61000-3-2.

5.2 Test Standards

EN61000-3-2, Clause 7.1 Limits for Class A equipment.

Environmental Conditions

Temperature:	22 °C
Relative Humidity:	48%
ATM Pressure:	1022 mbar

5.3 Harmonic Current Emissions Test Data

According to Clause 7 of EN61000-3-2, the EUT (rated power is 6W) 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.

Harmonics – Class-A per Ed. 3.2 (2009)(Run time)

EUT: GTM41134-0606-1.0-FT3A

Tested by: Leo

Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100

Test date: 2015-4-7

Start time: 11:15:01 AM

End time: 11:17:53 AM

Test duration (min): 2.5

Data file name: H-000031.cts_data

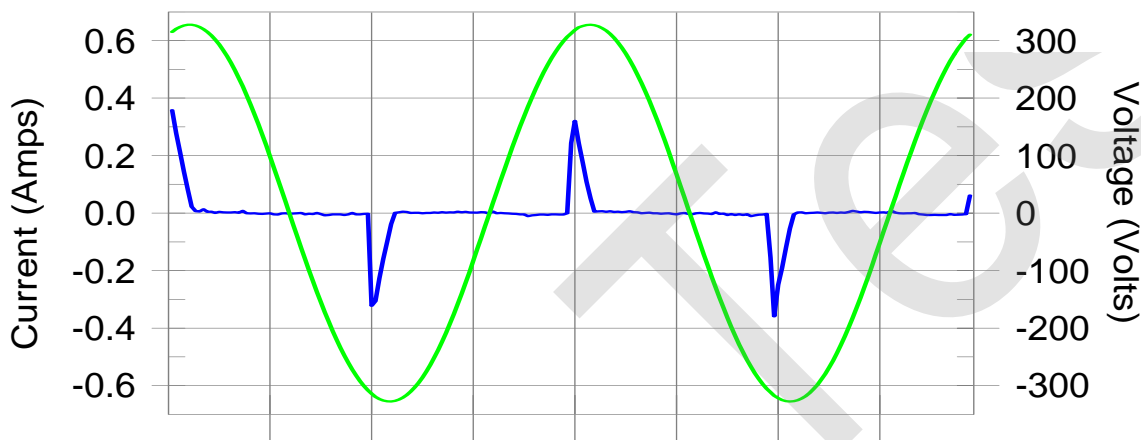
Comment: Full Load

Customer: GlobTek, Inc.

Test Result: Pass

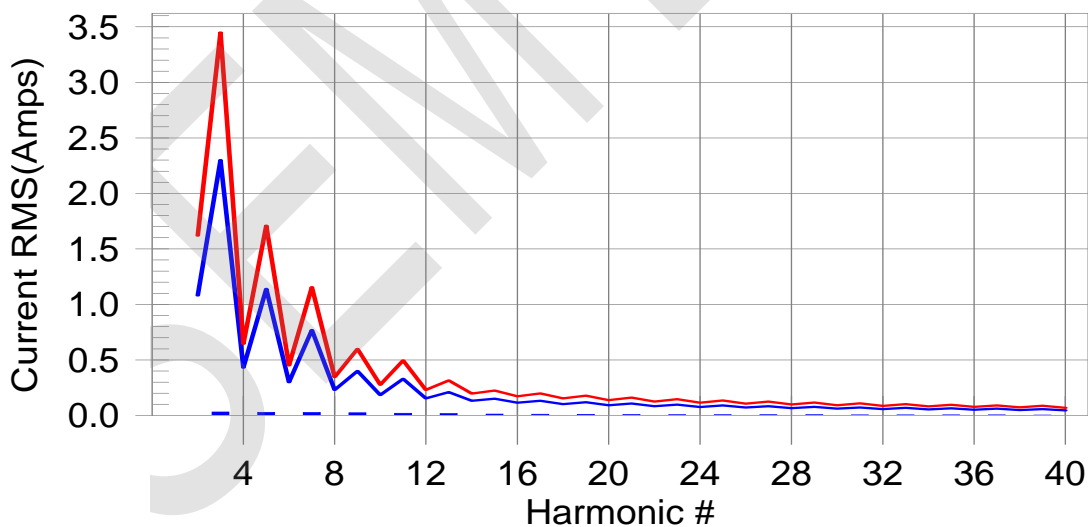
Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line

European Limits



Test result: Pass Worst harmonic was #15 with 8.81% of the limit.

Current Test Result Summary (Run time)

EUT: GTM41134-0606-1.0-FT3A Tested by: Leo
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2015-4-7 Start time: 11:15:01 AM End time: 11:17:53 AM
 Test duration (min): 2.5 Data file name: H-000031.cts_data
 Comment: Full Load
 Customer: GlobTek, Inc.

Test Result: Pass Source qualification: Normal
 THC(A): 0.06 I-THD(%): 211.14 POHC(A): 0.017 POHC Limit(A): 0.265

Highest parameter values during test:

V_RMS (Volts): 231.67 Frequency(Hz): 50.00
 I_Peak (Amps): 0.391 I_RMS (Amps): 0.073
 I_Fund (Amps): 0.031 Crest Factor: 5.348
 Power (Watts): 7.1 Power Factor: 0.422

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.001	1.620	0.05	Pass
3	0.030	2.300	1.3	0.031	3.450	0.89	Pass
4	0.000	0.430	0.0	0.001	0.645	0.10	Pass
5	0.028	1.140	2.5	0.028	1.710	1.66	Pass
6	0.000	0.300	0.0	0.000	0.450	0.08	Pass
7	0.026	0.770	3.3	0.026	1.155	2.25	Pass
8	0.000	0.230	0.0	0.000	0.345	0.08	Pass
9	0.023	0.400	5.7	0.023	0.600	3.83	Pass
10	0.000	0.184	0.0	0.000	0.276	0.12	Pass
11	0.020	0.330	5.9	0.020	0.495	3.99	Pass
12	0.000	0.153	0.0	0.000	0.230	0.14	Pass
13	0.016	0.210	7.8	0.016	0.315	5.22	Pass
14	0.000	0.131	0.0	0.000	0.197	0.12	Pass
15	0.013	0.150	8.8	0.013	0.225	5.92	Pass
16	0.000	0.115	0.0	0.000	0.173	0.14	Pass
17	0.011	0.132	8.0	0.011	0.199	5.34	Pass
18	0.000	0.102	0.0	0.000	0.153	0.17	Pass
19	0.009	0.118	7.2	0.009	0.178	4.85	Pass
20	0.000	0.092	0.0	0.000	0.138	0.17	Pass
21	0.007	0.107	6.8	0.007	0.161	4.64	Pass
22	0.000	0.084	0.0	0.000	0.125	0.21	Pass
23	0.007	0.098	7.0	0.007	0.147	4.73	Pass
24	0.000	0.077	0.0	0.000	0.115	0.24	Pass
25	0.007	0.090	7.5	0.007	0.135	5.06	Pass
26	0.000	0.071	0.0	0.000	0.106	0.26	Pass
27	0.007	0.083	8.0	0.007	0.125	5.40	Pass

28	0.000	0.066	0.0	0.000	0.099	0.29	Pass
29	0.006	0.078	8.3	0.007	0.116	5.61	Pass
30	0.000	0.061	0.0	0.000	0.092	0.28	Pass
31	0.006	0.073	8.3	0.006	0.109	5.61	Pass
32	0.000	0.058	0.0	0.000	0.086	0.31	Pass
33	0.005	0.068	8.0	0.006	0.102	5.45	Pass
34	0.000	0.054	0.0	0.000	0.081	0.31	Pass
35	0.005	0.064	7.6	0.005	0.096	5.21	Pass
36	0.000	0.051	0.0	0.000	0.077	0.31	Pass
37	0.004	0.061	0.0	0.004	0.091	4.93	Pass
38	0.000	0.048	0.0	0.000	0.073	0.36	Pass
39	0.004	0.058	0.0	0.004	0.087	4.75	Pass
40	0.000	0.046	0.0	0.000	0.069	0.40	Pass

EMC TEST

Voltage Source Verification Data (Run time)

EUT: GTM41134-0606-1.0-FT3A Tested by: Leo
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2015-4-7 Start time: 11:15:01 AM End time: 11:17:53 AM
 Test duration (min): 2.5 Data file name: H-000031.cts_data
 Comment: Full Load
 Customer: GlobTek, Inc.

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	231.67	Frequency(Hz):	50.00
I_Peak (Amps):	0.391	I_RMS (Amps):	0.073
I_Fund (Amps):	0.031	Crest Factor:	5.348
Power (Watts):	7.1	Power Factor:	0.422

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.054	0.463	11.74	OK
3	0.562	2.085	26.95	OK
4	0.064	0.463	13.77	OK
5	0.076	0.926	8.16	OK
6	0.031	0.463	6.76	OK
7	0.024	0.695	3.44	OK
8	0.017	0.463	3.57	OK
9	0.018	0.463	3.85	OK
10	0.011	0.463	2.41	OK
11	0.027	0.232	11.66	OK
12	0.012	0.232	5.34	OK
13	0.015	0.232	6.31	OK
14	0.006	0.232	2.59	OK
15	0.020	0.232	8.70	OK
16	0.009	0.232	3.73	OK
17	0.014	0.232	6.21	OK
18	0.010	0.232	4.34	OK
19	0.014	0.232	5.93	OK
20	0.015	0.232	6.53	OK
21	0.010	0.232	4.20	OK
22	0.006	0.232	2.56	OK
23	0.009	0.232	4.07	OK
24	0.004	0.232	1.69	OK
25	0.012	0.232	4.99	OK
26	0.004	0.232	1.64	OK
27	0.011	0.232	4.56	OK

28	0.005	0.232	2.22	OK
29	0.013	0.232	5.73	OK
30	0.005	0.232	1.96	OK
31	0.012	0.232	5.08	OK
32	0.004	0.232	1.91	OK
33	0.012	0.232	5.12	OK
34	0.004	0.232	1.62	OK
35	0.011	0.232	4.70	OK
36	0.004	0.232	1.54	OK
37	0.011	0.232	4.92	OK
38	0.004	0.232	1.63	OK
39	0.009	0.232	3.85	OK
40	0.008	0.232	3.58	OK

EMC TEST

Harmonics – Class-A per Ed. 3.2 (2009)(Run time)

EUT: GTM96060-0606-1.0

Tested by: GRACE

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test Margin: 100

Test date: 2016-1-11

Start time: 04:52:31 PM

End time: 04:55:23 PM

Test duration (min): 2.5

Data file name: H-000300.cts_data

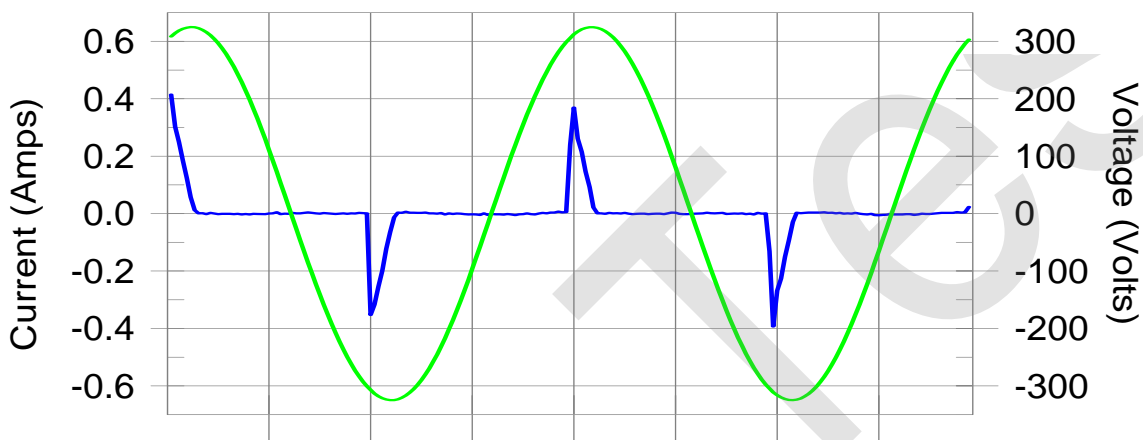
Comment: Full Load

Customer: GlobTek, Inc.

Test Result: Pass

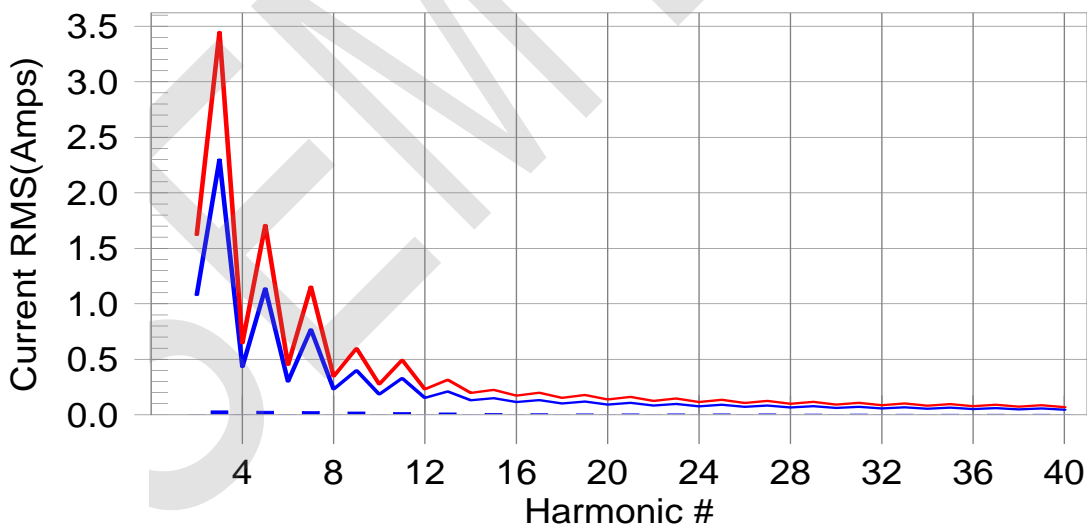
Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line

European Limits



Test result: Pass **Worst harmonic was #27 with 9.25% of the limit.**

Current Test Result Summary (Run time)

EUT: GTM96060-0606-1.0 Tested by: GRACE
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2016-1-11 Start time: 04:52:31 PM End time: 04:55:23 PM
 Test duration (min): 2.5 Data file name: H-000300.cts_data
 Comment: Full Load
 Customer: GlobTek, Inc.

Test Result: Pass Source qualification: Normal
 THC(A): 0.07 I-THD(%): 201.51 POHC(A): 0.022 POHC Limit(A): 0.251

Highest parameter values during test:

V_RMS (Volts): 229.74 Frequency(Hz): 50.00
 I_Peak (Amps): 0.442 I_RMS (Amps): 0.083
 I_Fund (Amps): 0.050 Crest Factor: 5.362
 Power (Watts): 8.2 Power Factor: 0.435

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.001	1.620	0.05	Pass
3	0.035	2.300	1.5	0.036	3.450	1.04	Pass
4	0.000	0.430	0.0	0.001	0.645	0.09	Pass
5	0.032	1.140	2.8	0.033	1.710	1.92	Pass
6	0.000	0.300	0.0	0.000	0.450	0.06	Pass
7	0.029	0.770	3.8	0.029	1.155	2.54	Pass
8	0.000	0.230	0.0	0.000	0.345	0.07	Pass
9	0.025	0.400	6.2	0.025	0.600	4.20	Pass
10	0.000	0.184	0.0	0.000	0.276	0.10	Pass
11	0.021	0.330	6.3	0.021	0.495	4.22	Pass
12	0.000	0.153	0.0	0.000	0.230	0.10	Pass
13	0.017	0.210	7.9	0.017	0.315	5.29	Pass
14	0.000	0.131	0.0	0.000	0.197	0.11	Pass
15	0.013	0.150	8.6	0.013	0.225	5.78	Pass
16	0.000	0.115	0.0	0.000	0.173	0.13	Pass
17	0.010	0.132	7.8	0.010	0.199	5.19	Pass
18	0.000	0.102	0.0	0.000	0.153	0.15	Pass
19	0.009	0.118	7.4	0.009	0.178	4.98	Pass
20	0.000	0.092	0.0	0.000	0.138	0.17	Pass
21	0.008	0.107	7.7	0.008	0.161	5.22	Pass
22	0.000	0.084	0.0	0.000	0.125	0.20	Pass
23	0.008	0.098	8.4	0.008	0.147	5.67	Pass
24	0.000	0.077	0.0	0.000	0.115	0.23	Pass
25	0.008	0.090	9.0	0.008	0.135	6.08	Pass
26	0.000	0.071	0.0	0.000	0.106	0.25	Pass
27	0.008	0.083	9.3	0.008	0.125	6.26	Pass

28	0.000	0.066	0.0	0.000	0.099	0.28	Pass
29	0.007	0.078	9.2	0.007	0.116	6.21	Pass
30	0.000	0.061	0.0	0.000	0.092	0.26	Pass
31	0.006	0.073	8.9	0.007	0.109	5.97	Pass
32	0.000	0.058	0.0	0.000	0.086	0.30	Pass
33	0.006	0.068	8.5	0.006	0.102	5.78	Pass
34	0.000	0.054	0.0	0.000	0.081	0.33	Pass
35	0.005	0.064	8.4	0.006	0.096	5.76	Pass
36	0.000	0.051	0.0	0.000	0.077	0.36	Pass
37	0.005	0.061	8.6	0.005	0.091	5.92	Pass
38	0.000	0.048	0.0	0.000	0.073	0.40	Pass
39	0.005	0.058	9.0	0.005	0.087	6.16	Pass
40	0.000	0.046	0.0	0.000	0.069	0.44	Pass

EMC TEST

Voltage Source Verification Data (Run time)

EUT: GTM96060-0606-1.0 Tested by: GRACE
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
Test date: 2016-1-11 Start time: 04:52:31 PM End time: 04:55:23 PM
Test duration (min): 2.5 Data file name: H-000300.cts_data
Comment: Full Load
Customer: GlobTek, Inc.

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	229.74	Frequency(Hz):	50.00
I_Peak (Amps):	0.442	I_RMS (Amps):	0.083
I_Fund (Amps):	0.050	Crest Factor:	5.362
Power (Watts):	8.2	Power Factor:	0.435

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.058	0.459	12.54	OK
3	0.543	2.067	26.26	OK
4	0.058	0.459	12.68	OK
5	0.070	0.919	7.62	OK
6	0.030	0.459	6.63	OK
7	0.020	0.689	2.94	OK
8	0.015	0.459	3.37	OK
9	0.016	0.459	3.55	OK
10	0.010	0.459	2.09	OK
11	0.026	0.230	11.15	OK
12	0.009	0.230	3.91	OK
13	0.013	0.230	5.55	OK
14	0.005	0.230	2.12	OK
15	0.018	0.230	7.63	OK
16	0.009	0.230	3.93	OK
17	0.016	0.230	6.81	OK
18	0.009	0.230	3.97	OK
19	0.009	0.230	3.83	OK
20	0.015	0.230	6.60	OK
21	0.011	0.230	4.87	OK
22	0.006	0.230	2.48	OK
23	0.010	0.230	4.31	OK
24	0.003	0.230	1.35	OK
25	0.012	0.230	5.02	OK
26	0.004	0.230	1.53	OK
27	0.007	0.230	3.09	OK

28	0.004	0.230	1.81	OK
29	0.014	0.230	6.27	OK
30	0.004	0.230	1.63	OK
31	0.011	0.230	4.82	OK
32	0.004	0.230	1.61	OK
33	0.010	0.230	4.52	OK
34	0.003	0.230	1.16	OK
35	0.010	0.230	4.28	OK
36	0.003	0.230	1.38	OK
37	0.008	0.230	3.55	OK
38	0.003	0.230	1.48	OK
39	0.009	0.230	4.09	OK
40	0.009	0.230	3.82	OK

EMC TEST

Harmonics – Class-A per Ed. 3.2 (2009)(Run time)

EUT: GTM96060-0624

Tested by: GRACE

Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100

Test date: 2016-1-11

Start time: 05:14:09 PM

End time: 05:17:01 PM

Test duration (min): 2.5

Data file name: H-000302.cts_data

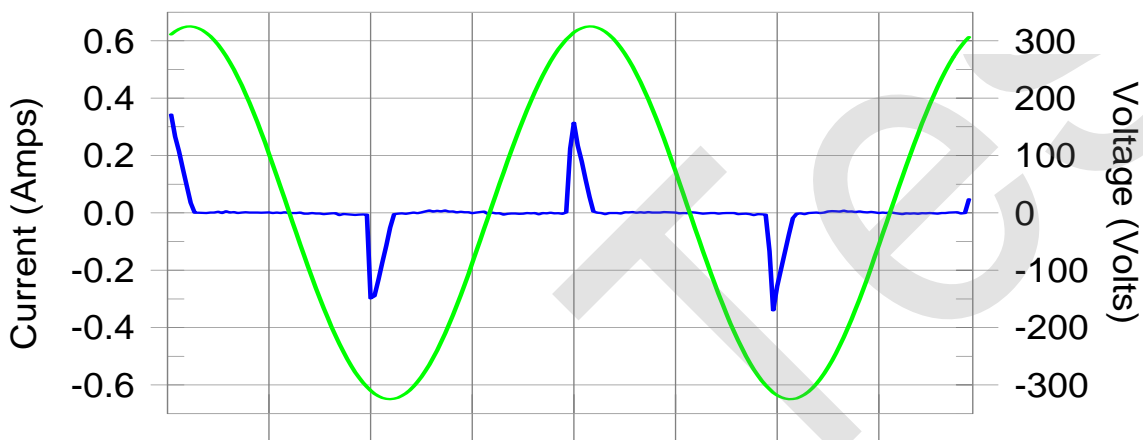
Comment: Full Load

Customer: GlobTek, Inc.

Test Result: Pass

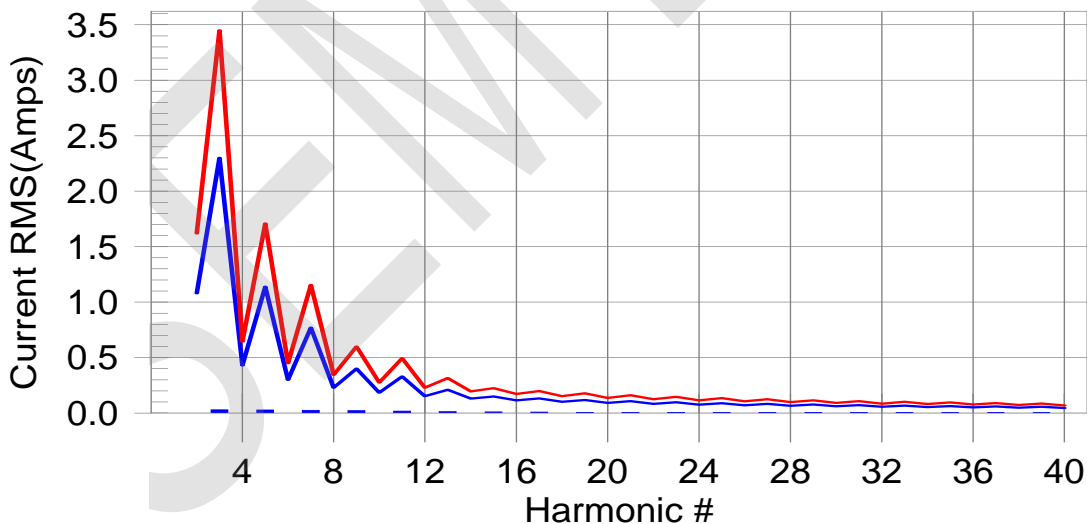
Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line

European Limits



Test result: Pass Worst harmonic was #15 with 8.09% of the limit.

28	0.000	0.066	0.0	0.000	0.099	0.25	Pass
29	0.006	0.078	7.8	0.006	0.116	5.28	Pass
30	0.000	0.061	0.0	0.000	0.092	0.24	Pass
31	0.005	0.073	7.5	0.006	0.109	5.13	Pass
32	0.000	0.058	0.0	0.000	0.086	0.27	Pass
33	0.005	0.068	0.0	0.005	0.102	4.89	Pass
34	0.000	0.054	0.0	0.000	0.081	0.26	Pass
35	0.004	0.064	0.0	0.004	0.096	4.62	Pass
36	0.000	0.051	0.0	0.000	0.077	0.28	Pass
37	0.004	0.061	0.0	0.004	0.091	4.45	Pass
38	0.000	0.048	0.0	0.000	0.073	0.32	Pass
39	0.004	0.058	0.0	0.004	0.087	4.41	Pass
40	0.000	0.046	0.0	0.000	0.069	0.34	Pass

EMC TEST

Voltage Source Verification Data (Run time)

EUT: GTM96060-0624

Tested by: GRACE

Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100

Test date: 2016-1-11

Start time: 05:14:09 PM

End time: 05:17:01 PM

Test duration (min): 2.5

Data file name: H-000302.cts_data

Comment: Full Load

Customer: GlobTek, Inc.

Test Result: Pass

Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 229.74

Frequency(Hz): 50.00

I_Peak (Amps): 0.369

I_RMS (Amps): 0.072

I_Fund (Amps): 0.036

Crest Factor: 5.148

Power (Watts): 7.0

Power Factor: 0.433

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.056	0.459	12.26	OK
3	0.539	2.068	26.09	OK
4	0.055	0.459	11.90	OK
5	0.067	0.919	7.29	OK
6	0.029	0.459	6.25	OK
7	0.017	0.689	2.49	OK
8	0.015	0.459	3.26	OK
9	0.015	0.459	3.28	OK
10	0.009	0.459	1.98	OK
11	0.023	0.230	10.17	OK
12	0.008	0.230	3.65	OK
13	0.012	0.230	5.01	OK
14	0.004	0.230	1.86	OK
15	0.017	0.230	7.35	OK
16	0.008	0.230	3.47	OK
17	0.012	0.230	5.42	OK
18	0.008	0.230	3.65	OK
19	0.009	0.230	3.79	OK
20	0.015	0.230	6.62	OK
21	0.009	0.230	3.96	OK
22	0.005	0.230	2.29	OK
23	0.008	0.230	3.65	OK
24	0.003	0.230	1.48	OK
25	0.010	0.230	4.34	OK
26	0.004	0.230	1.56	OK
27	0.008	0.230	3.32	OK

28	0.004	0.230	1.67	OK
29	0.012	0.230	5.42	OK
30	0.003	0.230	1.36	OK
31	0.010	0.230	4.51	OK
32	0.004	0.230	1.64	OK
33	0.010	0.230	4.28	OK
34	0.003	0.230	1.37	OK
35	0.008	0.230	3.67	OK
36	0.003	0.230	1.44	OK
37	0.008	0.230	3.28	OK
38	0.003	0.230	1.36	OK
39	0.007	0.230	2.91	OK
40	0.009	0.230	3.84	OK

EMC TEST

Harmonics – Class-A per Ed. 3.2 (2009)(Run time)

EUT: GTM41134-0624

Tested by: Jeffry

Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100

Test date: 2016-8-15

Start time: 05:05:07 PM

End time: 05:07:58 PM

Test duration (min): 2.5

Data file name: H-000436.cts_data

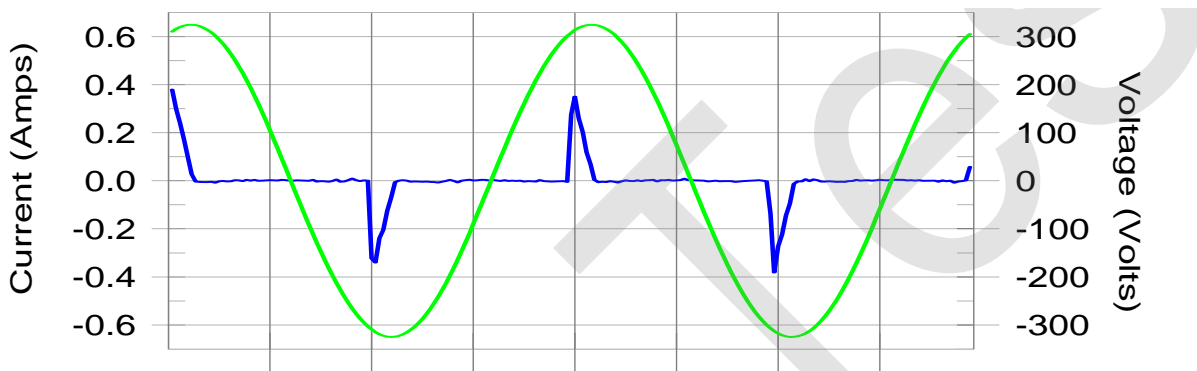
Comment: Working

Customer: GlobTek.Inc.

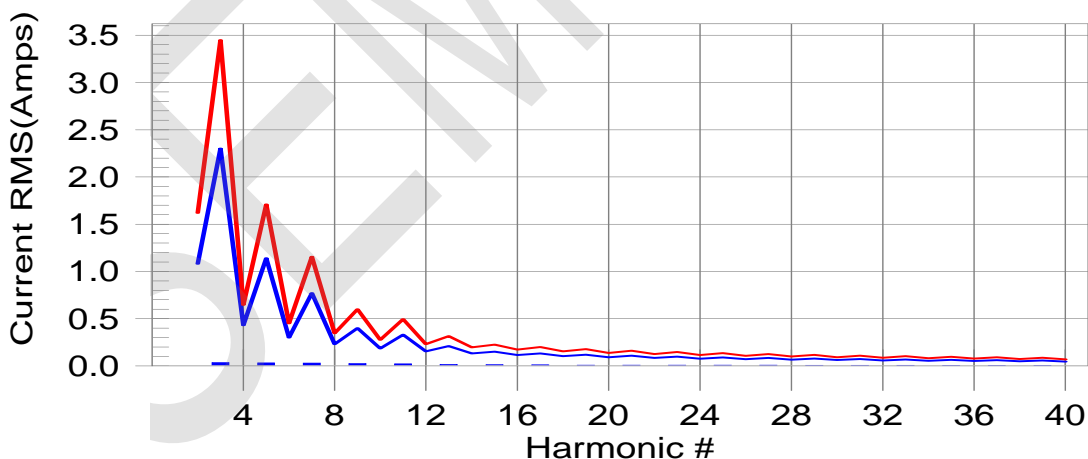
Test Result: Pass

Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line European Limits



Test result: Pass Worst harmonic was #15 with 9.10% of the limit.

Current Test Result Summary (Run time)

EUT: GTM41134-0624 Tested by: Jeffry
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2016-8-15 Start time: 05:05:07 PM End time: 05:07:58 PM
 Test duration (min): 2.5 Data file name: H-000436.cts_data
 Comment: Working
 Customer: GlobTek.Inc.

Test Result: Pass Source qualification: Normal
 THC(A): 0.07 I-THD(%): 204.48 POHC(A): 0.019 POHC Limit(A): 0.260

Highest parameter values during test:

V_RMS (Volts): 229.85	Frequency(Hz): 50.00
I_Peak (Amps): 0.425	I_RMS (Amps): 0.082
I_Fund (Amps): 0.036	Crest Factor: 5.265
Power (Watts): 8.0	Power Factor: 0.434

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.001	1.620	0.06	Pass
3	0.034	2.300	1.5	0.035	3.450	1.02	Pass
4	0.001	0.430	0.0	0.001	0.645	0.12	Pass
5	0.032	1.140	2.8	0.032	1.710	1.88	Pass
6	0.000	0.300	0.0	0.000	0.450	0.11	Pass
7	0.029	0.770	3.8	0.029	1.155	2.52	Pass
8	0.000	0.230	0.0	0.000	0.345	0.11	Pass
9	0.025	0.400	6.3	0.025	0.600	4.23	Pass
10	0.000	0.184	0.0	0.000	0.276	0.16	Pass
11	0.021	0.330	6.4	0.021	0.495	4.33	Pass
12	0.000	0.153	0.0	0.000	0.230	0.18	Pass
13	0.017	0.210	8.2	0.017	0.315	5.53	Pass
14	0.000	0.131	0.0	0.000	0.197	0.18	Pass
15	0.014	0.150	9.1	0.014	0.225	6.13	Pass
16	0.000	0.115	0.0	0.000	0.173	0.21	Pass
17	0.011	0.132	8.1	0.011	0.199	5.48	Pass
18	0.000	0.102	0.0	0.000	0.153	0.24	Pass
19	0.009	0.118	7.5	0.009	0.178	5.05	Pass
20	0.000	0.092	0.0	0.000	0.138	0.27	Pass
21	0.008	0.107	7.4	0.008	0.161	5.03	Pass
22	0.000	0.084	0.0	0.000	0.125	0.29	Pass
23	0.008	0.098	7.9	0.008	0.147	5.34	Pass
24	0.000	0.077	0.0	0.000	0.115	0.33	Pass
25	0.008	0.090	8.5	0.008	0.135	5.75	Pass
26	0.000	0.071	0.0	0.000	0.106	0.35	Pass
27	0.007	0.083	8.9	0.008	0.125	6.03	Pass

28	0.000	0.066	0.0	0.000	0.099	0.37	Pass
29	0.007	0.078	8.9	0.007	0.116	6.09	Pass
30	0.000	0.061	0.0	0.000	0.092	0.38	Pass
31	0.006	0.073	8.7	0.006	0.109	5.90	Pass
32	0.000	0.058	0.0	0.000	0.086	0.44	Pass
33	0.006	0.068	8.2	0.006	0.102	5.61	Pass
34	0.000	0.054	0.0	0.000	0.081	0.46	Pass
35	0.005	0.064	7.7	0.005	0.096	5.34	Pass
36	0.000	0.051	0.0	0.000	0.077	0.50	Pass
37	0.005	0.061	0.0	0.005	0.091	5.18	Pass
38	0.000	0.048	0.0	0.000	0.073	0.53	Pass
39	0.004	0.058	0.0	0.004	0.087	5.17	Pass
40	0.000	0.046	0.0	0.000	0.069	0.58	Pass

EMC TEST

Voltage Source Verification Data (Run time)

EUT: GTM41134-0624 Tested by: Jeffry
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2016-8-15 Start time: 05:05:07 PM End time: 05:07:58 PM
 Test duration (min): 2.5 Data file name: H-000436.cts_data
 Comment: Working
 Customer: GlobTek.Inc.

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 229.85	Frequency(Hz): 50.00
I_Peak (Amps): 0.425	I_RMS (Amps): 0.082
I_Fund (Amps): 0.036	Crest Factor: 5.265
Power (Watts): 8.0	Power Factor: 0.434

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.052	0.460	11.31	OK
3	0.559	2.068	27.04	OK
4	0.068	0.460	14.73	OK
5	0.073	0.919	7.95	OK
6	0.033	0.460	7.28	OK
7	0.025	0.689	3.61	OK
8	0.017	0.460	3.73	OK
9	0.018	0.460	3.81	OK
10	0.011	0.460	2.45	OK
11	0.027	0.230	11.77	OK
12	0.011	0.230	4.60	OK
13	0.014	0.230	5.92	OK
14	0.005	0.230	2.13	OK
15	0.021	0.230	8.94	OK
16	0.009	0.230	3.97	OK
17	0.016	0.230	6.91	OK
18	0.010	0.230	4.15	OK
19	0.013	0.230	5.45	OK
20	0.014	0.230	6.30	OK
21	0.010	0.230	4.52	OK
22	0.005	0.230	2.04	OK
23	0.010	0.230	4.52	OK
24	0.003	0.230	1.43	OK
25	0.012	0.230	5.08	OK
26	0.004	0.230	1.67	OK
27	0.009	0.230	3.92	OK

28	0.003	0.230	1.52	OK
29	0.015	0.230	6.32	OK
30	0.004	0.230	1.59	OK
31	0.011	0.230	4.99	OK
32	0.003	0.230	1.34	OK
33	0.012	0.230	5.10	OK
34	0.003	0.230	1.16	OK
35	0.010	0.230	4.33	OK
36	0.003	0.230	1.29	OK
37	0.008	0.230	3.58	OK
38	0.003	0.230	1.24	OK
39	0.007	0.230	3.16	OK
40	0.009	0.230	3.81	OK

EMC TEST

Harmonics – Class-A per Ed. 3.2 (2009)(Run time)

EUT: GTM41134-0606-1.0

Tested by: Vicky

Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100

Test date: 2016-8-4

Start time: 01:45:35 PM

End time: 01:48:26 PM

Test duration (min): 2.5

Data file name: H-000381.cts_data

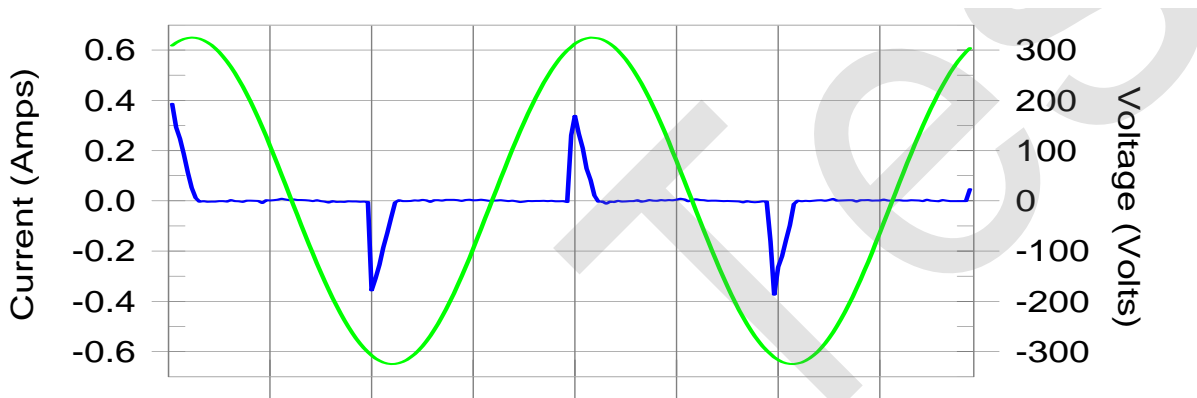
Comment: Working

Customer: GlobTek, Inc.

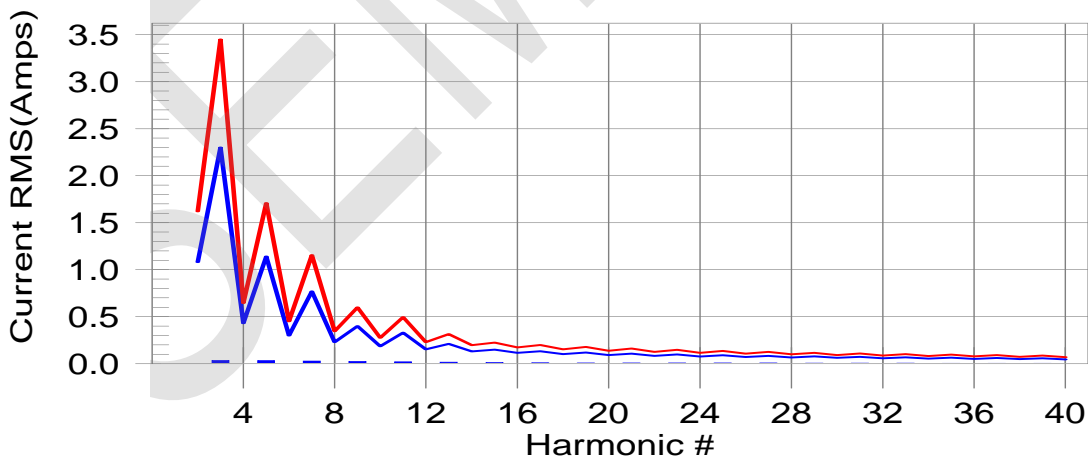
Test Result: Pass

Source qualification: Normal

Current & voltage waveforms



Harmonics and Class A limit line European Limits



Test result: Pass Worst harmonic was #27 with 8.71% of the limit.

Current Test Result Summary (Run time)

EUT: GTM41134-0606-1.0 Tested by: Vicky
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2016-8-4 Start time: 01:45:35 PM End time: 01:48:26 PM
 Test duration (min): 2.5 Data file name: H-000381.cts_data
 Comment: Working
 Customer: GlobTek, Inc.

Test Result: Pass Source qualification: Normal
 THC(A): 0.07 I-THD(%): 198.11 POHC(A): 0.018 POHC Limit(A): 0.265

Highest parameter values during test:

V_RMS (Volts): 229.83 Frequency(Hz): 50.00
 I_Peak (Amps): 0.419 I_RMS (Amps): 0.081
 I_Fund (Amps): 0.103 Crest Factor: 5.202
 Power (Watts): 8.1 Power Factor: 0.442

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.001	1.620	0.05	Pass
3	0.035	2.300	1.5	0.035	3.450	1.03	Pass
4	0.000	0.430	0.0	0.001	0.645	0.10	Pass
5	0.032	1.140	2.8	0.032	1.710	1.89	Pass
6	0.000	0.300	0.0	0.000	0.450	0.08	Pass
7	0.029	0.770	3.7	0.029	1.155	2.50	Pass
8	0.000	0.230	0.0	0.000	0.345	0.07	Pass
9	0.025	0.400	6.2	0.025	0.600	4.13	Pass
10	0.000	0.184	0.0	0.000	0.276	0.11	Pass
11	0.020	0.330	6.2	0.020	0.495	4.13	Pass
12	0.000	0.153	0.0	0.000	0.230	0.11	Pass
13	0.016	0.210	7.7	0.016	0.315	5.18	Pass
14	0.000	0.131	0.0	0.000	0.197	0.11	Pass
15	0.012	0.150	8.3	0.013	0.225	5.62	Pass
16	0.000	0.115	0.0	0.000	0.173	0.13	Pass
17	0.010	0.132	7.4	0.010	0.199	5.02	Pass
18	0.000	0.102	0.0	0.000	0.153	0.16	Pass
19	0.008	0.118	7.0	0.008	0.178	4.76	Pass
20	0.000	0.092	0.0	0.000	0.138	0.18	Pass
21	0.008	0.107	7.3	0.008	0.161	4.97	Pass
22	0.000	0.084	0.0	0.000	0.125	0.21	Pass
23	0.008	0.098	8.0	0.008	0.147	5.38	Pass
24	0.000	0.077	0.0	0.000	0.115	0.23	Pass
25	0.008	0.090	8.5	0.008	0.135	5.74	Pass
26	0.000	0.071	0.0	0.000	0.106	0.25	Pass
27	0.007	0.083	8.7	0.007	0.125	5.90	Pass

28	0.000	0.066	0.0	0.000	0.099	0.27	Pass
29	0.007	0.078	8.5	0.007	0.116	5.81	Pass
30	0.000	0.061	0.0	0.000	0.092	0.27	Pass
31	0.006	0.073	8.1	0.006	0.109	5.54	Pass
32	0.000	0.058	0.0	0.000	0.086	0.31	Pass
33	0.005	0.068	7.7	0.005	0.102	5.29	Pass
34	0.000	0.054	0.0	0.000	0.081	0.32	Pass
35	0.005	0.064	0.0	0.005	0.096	5.21	Pass
36	0.000	0.051	0.0	0.000	0.077	0.36	Pass
37	0.005	0.061	0.0	0.005	0.091	5.31	Pass
38	0.000	0.048	0.0	0.000	0.073	0.41	Pass
39	0.005	0.058	0.0	0.005	0.087	5.50	Pass
40	0.000	0.046	0.0	0.000	0.069	0.44	Pass

EMC TEST

Voltage Source Verification Data (Run time)

EUT: GTM41134-0606-1.0 Tested by: Vicky
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100
 Test date: 2016-8-4 Start time: 01:45:35 PM End time: 01:48:26 PM
 Test duration (min): 2.5 Data file name: H-000381.cts_data
 Comment: Working
 Customer: GlobTek, Inc.

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	229.83	Frequency(Hz):	50.00
I_Peak (Amps):	0.419	I_RMS (Amps):	0.081
I_Fund (Amps):	0.103	Crest Factor:	5.202
Power (Watts):	8.1	Power Factor:	0.442

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.045	0.460	9.87	OK
3	0.545	2.068	26.37	OK
4	0.067	0.460	14.53	OK
5	0.073	0.919	7.92	OK
6	0.031	0.460	6.78	OK
7	0.025	0.689	3.68	OK
8	0.016	0.460	3.41	OK
9	0.017	0.460	3.63	OK
10	0.010	0.460	2.24	OK
11	0.027	0.230	11.75	OK
12	0.012	0.230	5.09	OK
13	0.013	0.230	5.52	OK
14	0.004	0.230	1.75	OK
15	0.021	0.230	9.07	OK
16	0.009	0.230	3.72	OK
17	0.016	0.230	6.94	OK
18	0.010	0.230	4.55	OK
19	0.011	0.230	4.82	OK
20	0.014	0.230	6.23	OK
21	0.012	0.230	5.05	OK
22	0.005	0.230	2.09	OK
23	0.012	0.230	5.01	OK
24	0.003	0.230	1.47	OK
25	0.012	0.230	5.32	OK
26	0.003	0.230	1.37	OK
27	0.008	0.230	3.48	OK

28	0.004	0.230	1.59	OK
29	0.015	0.230	6.37	OK
30	0.003	0.230	1.32	OK
31	0.011	0.230	4.77	OK
32	0.003	0.230	1.49	OK
33	0.011	0.230	4.70	OK
34	0.002	0.230	1.01	OK
35	0.009	0.230	3.98	OK
36	0.003	0.230	1.35	OK
37	0.007	0.230	3.24	OK
38	0.003	0.230	1.26	OK
39	0.009	0.230	3.72	OK
40	0.009	0.230	3.82	OK

EMC TEST

6. Voltage Fluctuation and Flicker

6.1 Test Procedure

Test is conducting under the description of EN61000-3-3.

6.2 Test Standards

EN61000-3-3, Limit: Clause 5.

Environmental Conditions

Temperature:	22 °C
Relative Humidity:	48%
ATM Pressure:	1022 mbar

6.3 Voltage Fluctuation and Flicker Test Data

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

EUT: GTM41134-0603		Tested by: Vigoss
Test category: All parameters (European limits)		Test Margin: 100
Test date: 2012-11-13	Start time: 04:49:07 PM	End time: 04:59:23 PM
Test duration (min): 10	Data file name: F-000038.cts_data	
Comment: Full Load		
Customer: GlobTek		

Test Result: Pass

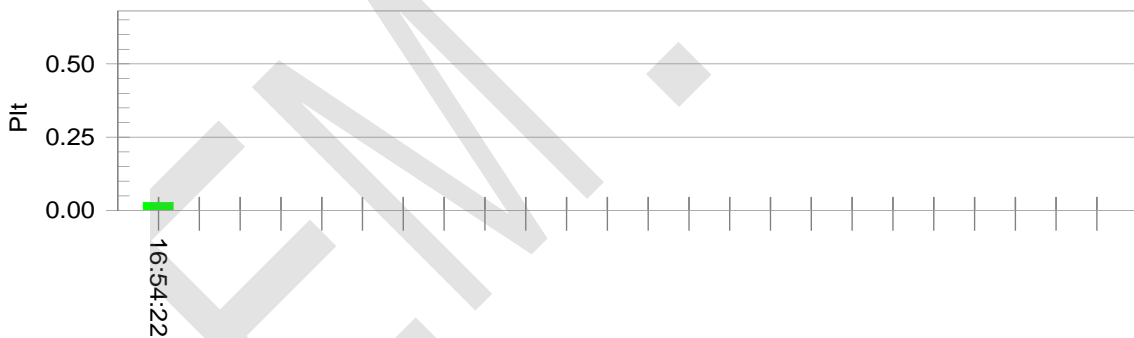
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt):	230.28			
Highest dt (%):	0.00	Test limit (%):	3.30	Pass
Time(mS) > dt:	0.0	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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

EUT: GTM41134-0612-3.0		Tested by: Vigoss
Test category: All parameters (European limits)		Test Margin: 100
Test date: 2012-11-13	Start time: 04:37:24 PM	End time: 04:47:40 PM
Test duration (min): 10	Data file name: F-000095.cts_data	
Comment: Full Load		
Customer: GlobTek		

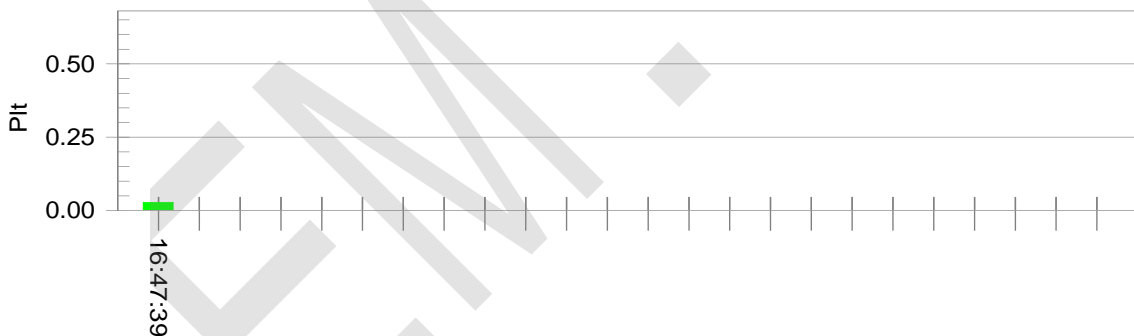
Test Result: Pass
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line


Parameter values recorded during the test:

Vrms at the end of test (Volt):	230.41			
Highest dt (%):	0.00	Test limit (%):	3.30	Pass
Time(mS) > dt:	0.0	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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

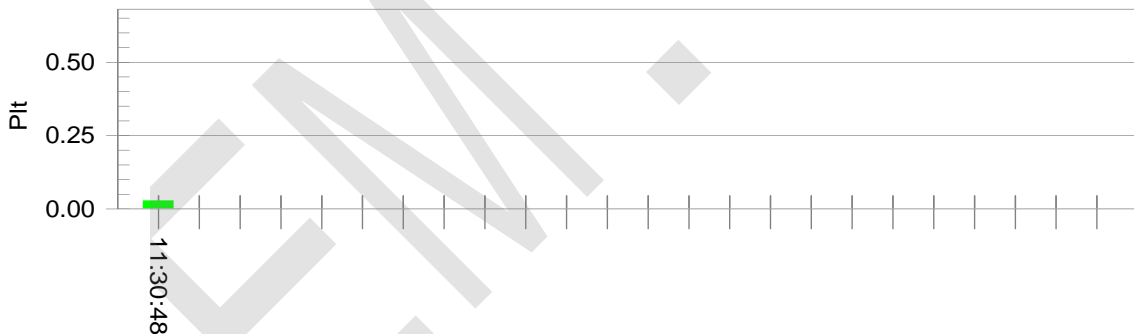
EUT: GTM41134-0606-1.0-FT3A
Tested by: Leo
Test category: All parameters (European limits)
Test Margin: 100
Test date: 2015-4-7
Start time: 11:20:28 AM
End time: 11:30:49 AM
Test duration (min): 10
Data file name: F-000034.cts_data
Comment: Full Load
Customer: GlobTek, Inc.
Test Result: Pass
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 231.60

Highest dt (%):	0.00	Test limit (%):	3.30	Pass
Time(mS) > dt:	0.0	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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

EUT: GTM96060-0624		Tested by: GRACE
Test category: All parameters (European limits)		Test Margin: 100
Test date: 2016-1-11	Start time: 05:17:58 PM	End time: 05:28:19 PM
Test duration (min): 10	Data file name: F-000303.cts_data	
Comment: Full Load		
Customer: Glob Tek, Inc.		

Test Result: Pass

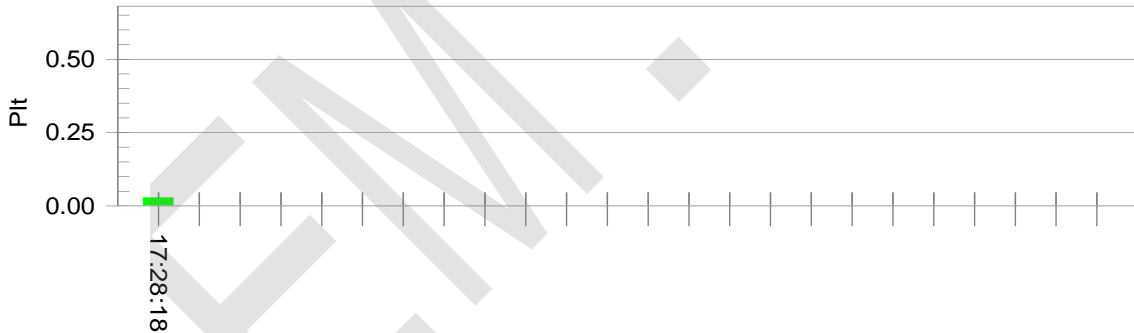
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt):	229.66		
Highest dt (%):	0.00	Test limit (%):	3.30 Pass
Time(mS) > dt:	0.0	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):	0.064	Test limit:	1.000 Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650 Pass

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

EUT: GTM41134-0624		Tested by: Jeffry
Test category: All parameters (European limits)		Test Margin: 100
Test date: 2016-8-15	Start time: 05:10:04 PM	End time: 05:20:25 PM
Test duration (min): 10	Data file name: F-000437.cts_data	
Comment: Working		
Customer: GlobTek.Inc.		

Test Result: Pass

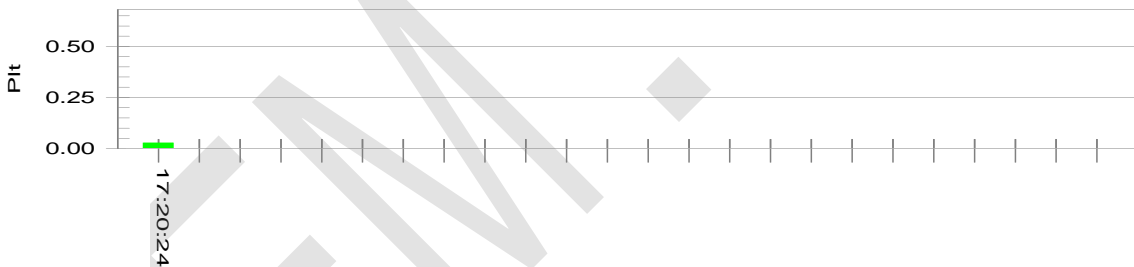
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt):	229.77			
Highest dt (%):	0.00	Test limit (%):	3.30	Pass
Time(mS) > dt:	0.0	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):	0.064	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.028	Test limit:	0.650	Pass

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

EUT: GTM41134-0606-1.0		Tested by: Vicky
Test category: All parameters (European limits)		Test Margin: 100
Test date: 2016-8-4	Start time: 01:50:18 PM	End time: 02:00:39 PM
Test duration (min): 10	Data file name: F-000382.cts_data	
Comment: Working		
Customer: GlobTek,Inc.		

Test Result: Pass

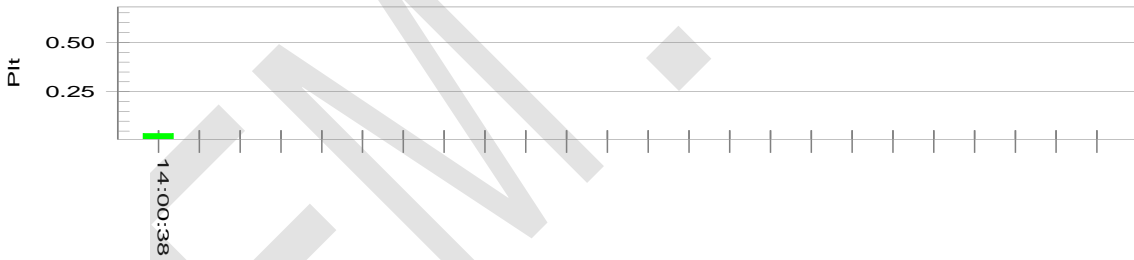
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt):	229.73			
Highest dt (%):	0.68	Test limit (%):	3.30	Pass
Time(mS) > dt:	0.0	Test limit (mS):	500.0	Pass
Highest dc (%):	0.00	Test limit (%):	3.30	Pass
Highest dmax (%):	-0.69	Test limit (%):	4.00	Pass
Highest Pst (10 min. period):	0.088	Test limit:	1.000	Pass
Highest Plt (2 hr. period):	0.038	Test limit:	0.650	Pass

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

Test is conducting under the description of IEC61000-4-2.

Test Performance

Performance Criterion: B

Environmental Conditions

Temperature:	26 °C
Relative Humidity:	55%
ATM Pressure:	1011 mbar

7.2 Electrostatic Discharge Immunity Test Data

Model: GTM41134-0624, GTM41134-0606-1.0, GTM41134-0603, GTM41134-0612-3.0,
GTM41134-0648, GTM96060-0606-1.0, GTM96060-0624

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2 Test Points	Test Levels (kV)									
	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Slots	A	A	A	A	A	A	A	A	A	A
Surface	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

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

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A						
Top Side	A	A	A	A						
Back Side	A	A	A	A						
Left Side	A	A	A	A						
Right Side	A	A	A	A						

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A						
Top Side	A	A	A	A						
Back Side	A	A	A	A						
Left Side	A	A	A	A						
Right Side	A	A	A	A						

Tested Model: GTM41134-0606-1.0-FT3A

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (kV)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Surface	/	/	/	/	/	/	/	/		
DC port	/	/	/	/	/	/	/	/		

Table 2: Electrostatic Discharge Immunity (Direct Contact)

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

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2 Test Points	Test Levels (kV)									
	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A						
Top Side	A	A	A	A						
Back Side	A	A	A	A						
Left Side	A	A	A	A						
Right Side	A	A	A	A						

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2 Test Points	Test Levels (kV)									
	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A						
Top Side	A	A	A	A						
Back Side	A	A	A	A						
Left Side	A	A	A	A						
Right Side	A	A	A	A						

8. Continuous Radiated Disturbances (R/S)

8.1 Test Procedure

Test is conducting under the description of IEC61000-4-3.

Test Performance

Performance Criterion: A

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1010 mbar

8.2 Continuous Radiated Disturbances Test Data

Frequency step: 1% of fundamental

Dwell time: 1 second

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

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

Test Result: Pass

9. Electrical Fast Transients (EFT)

9.1 Test Procedure

Test is conducting under the description of IEC61000-4-4.

Test Performance

Performance Criterion: B

Environmental Conditions

Temperature:	22 °C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

9.2 Electrical Fast Transients Test Data

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	/	/	/	/	/	/	/	/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	/	/	/	/	/	/	/	/
	L2 + PE	/	/	/	/	/	/	/	/
	L1+L2+PE	/	/	/	/	/	/	/	/
Signal ports		/	/	/	/	/	/	/	/

Test Result: Pass

10. Surges

10.1 Test Procedure

Test is conducting under the description of IEC 61000-4-5.

Test Performance

Performance Criterion: B

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

10.2 Surge Test Data

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	2kV	±	L-N, L-PE, N-PE	/	/
4	4kV	±	L-N, L-PE, N-PE	/	/

Test Result: Pass

11. Continuous Conducted Disturbances (C/S)

11.1 Test Procedure

Test is conducting under the description of IEC 61000-4-6.

Test Performance

Performance Criterion: A

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

11.2 Continuous Conducted Disturbances Test Data

Sweep frequency range: 150kHz~80MHz

Frequency step: 1% of fundamental

Dwell time: 1 second

Level	Voltage Level (e.m.f.) U_0	Modulation:	Pass	Fail
1	1	AM 80%, 1kHz sinewave	/	/
2	3	AM 80%, 1kHz sinewave	A	/
3	10	AM 80%, 1kHz sinewave	/	/
X	Special	/	/	/

Test Result: Pass

12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

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

Test Performance

Performance Criterion: A

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

12.2 Power-Frequency Magnetic Field Test Data

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

Test Result: Pass

13. Voltage Dips and Interruptions

13.1 Test Procedure

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

Test Performance

Performance Criterion: B/C

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

13.2 Voltage Dips And Interruptions Test Data

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




T: Test duration

Level	U	T	Phase Angle	N	Pass	Fail
1	>95%	10ms	0/90/180/270	3	A	/
2	30%	500ms	0/90/180/270	3	B	/
3	>95%	5000ms	0/90/180/270	3	B	/

Test Result: Pass

EXHIBIT 1 - PRODUCT LABELING

Proposed CE Label Format

ITE POWER SUPPLY Model: GT*41134*****,GT*96060*****, Brand: GlobTek Importer Name: XXX Importer Address: XXX GlobTek, Inc. 186 Veterans Dr. Northvale, NJ 07647 USA	  
--	--

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

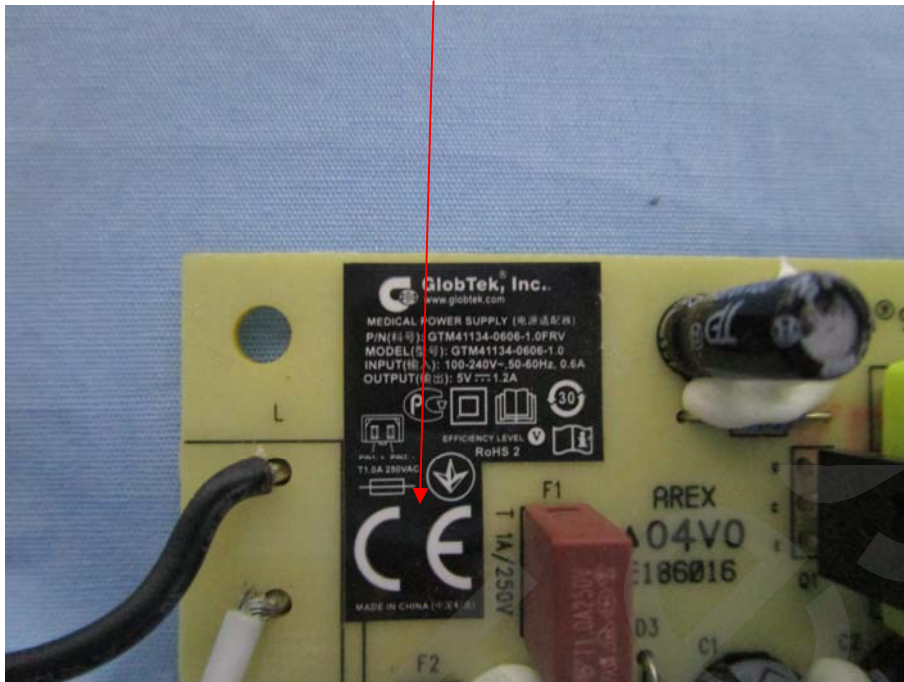
Proposed Label Location on EUT

CE Label Location



Test Model: GTM41134-0606-1.0-FT3A

CE Label Location



Test Model: GTM96060-0606-1.0

CE Label Location



Test Model: GTM96060-0624

CE Label Location



Tested Model: GTM41134-0624

CE Label Location



Tested Model: GTM41134-0606-1.0

CE Label Location



DEFEND

EXHIBIT 2 - EUT PHOTOGRAPHS

EUT View 1

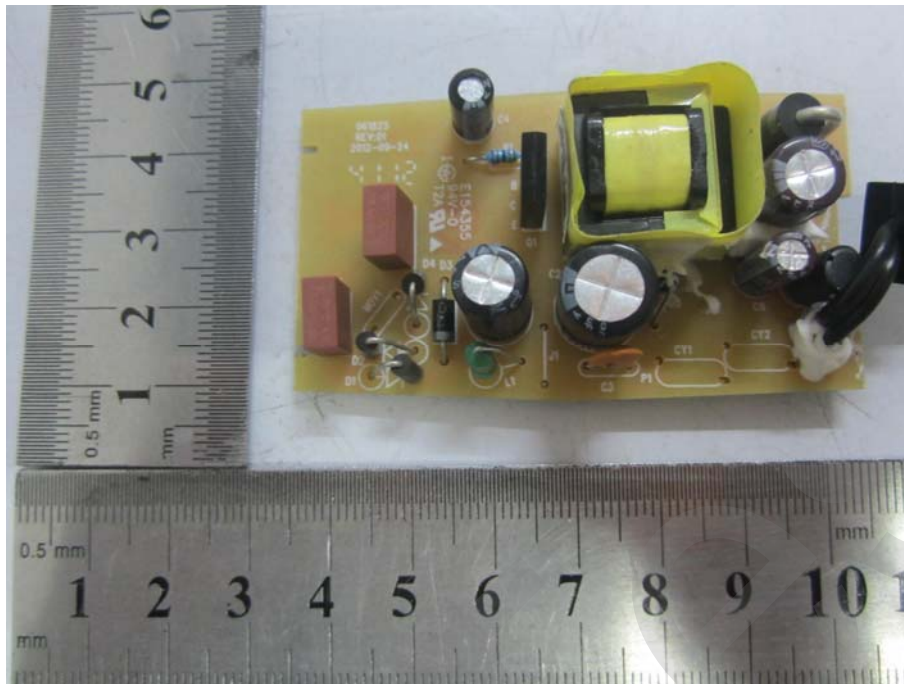
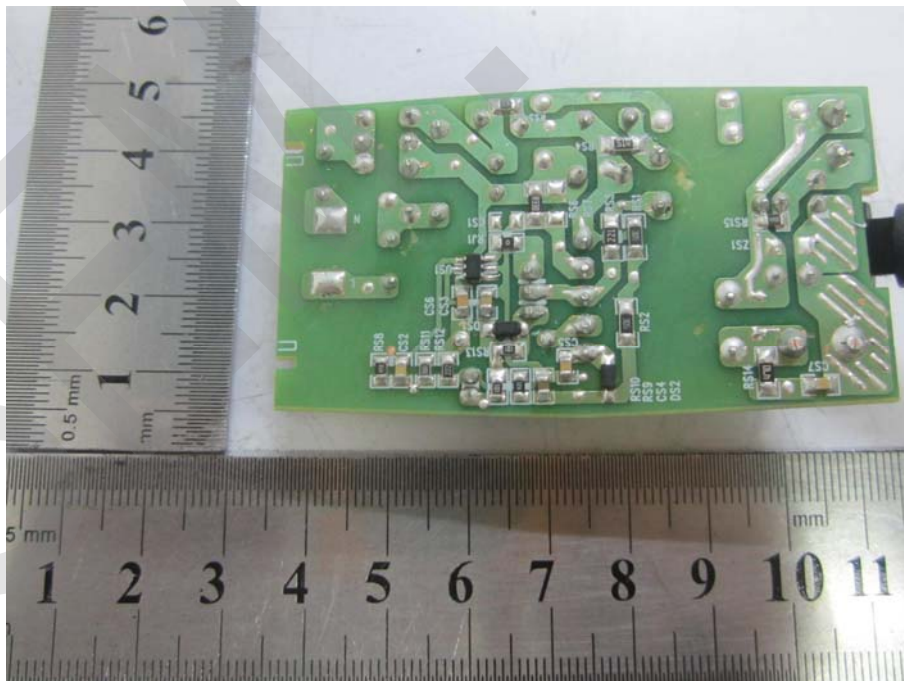


Tested Model: GTM41134-0603

EUT View 1



EUT View 2**EUT Housing and Board View 1**

Solder Board-Component View 1**Solder Board-Component View 2**

Tested Model: GTM41134-0612-3.0

EUT View 1



EUT View 2



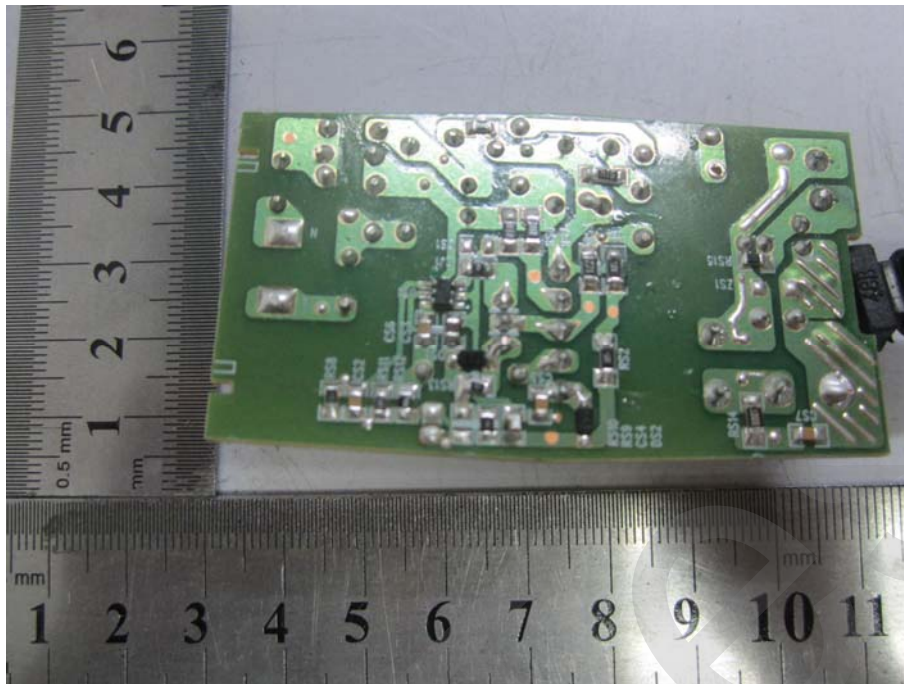
EUT Housing and Board View 1



Solder Board-Component View 1



Solder Board-Component View 2



Tested Model: GTM41134-0648

EUT View 1

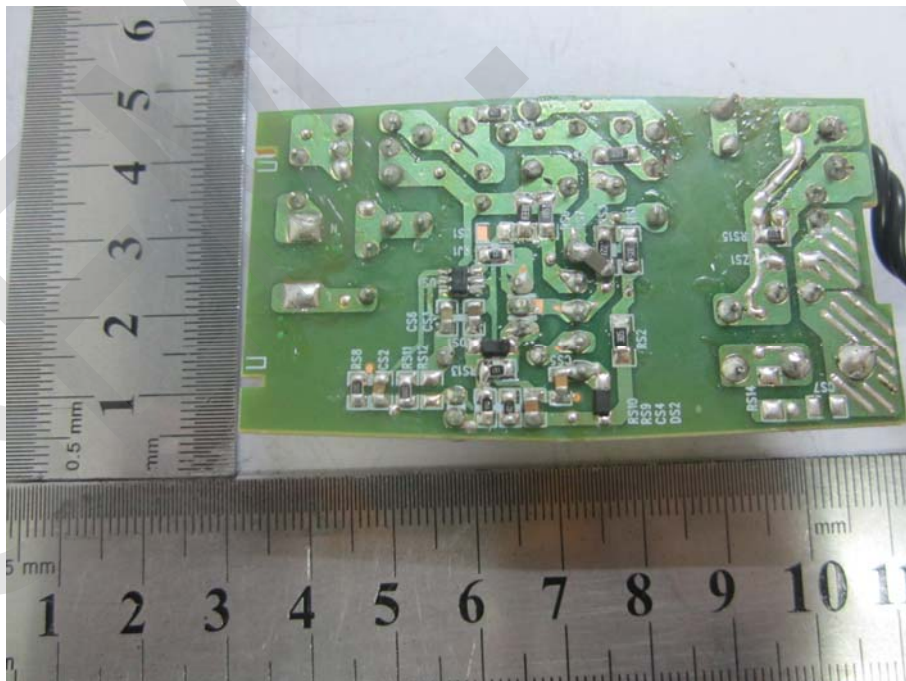


EUT View 2**EUT Housing and Board View 1**

Solder Board-Component View 1

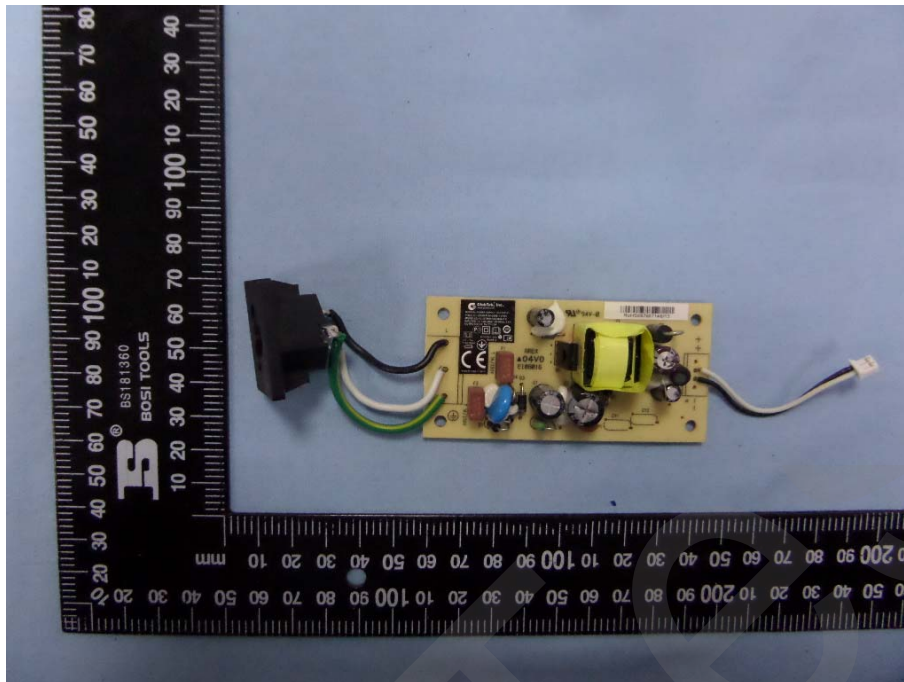


Solder Board-Component View 2

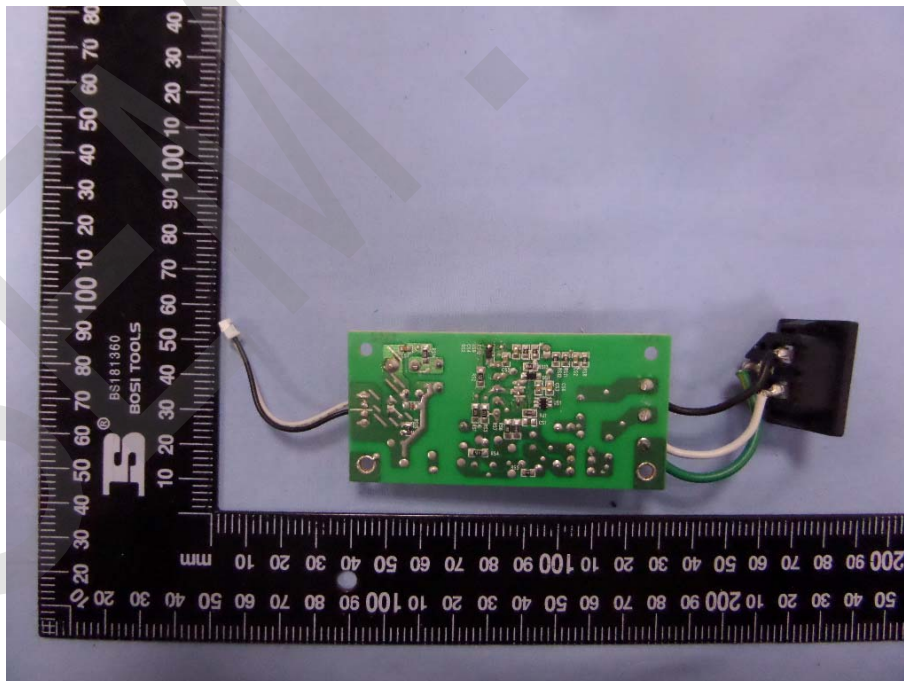


Tested Model: GTM41134-0606-1.0-FT3A

EUT View 1



EUT View 2

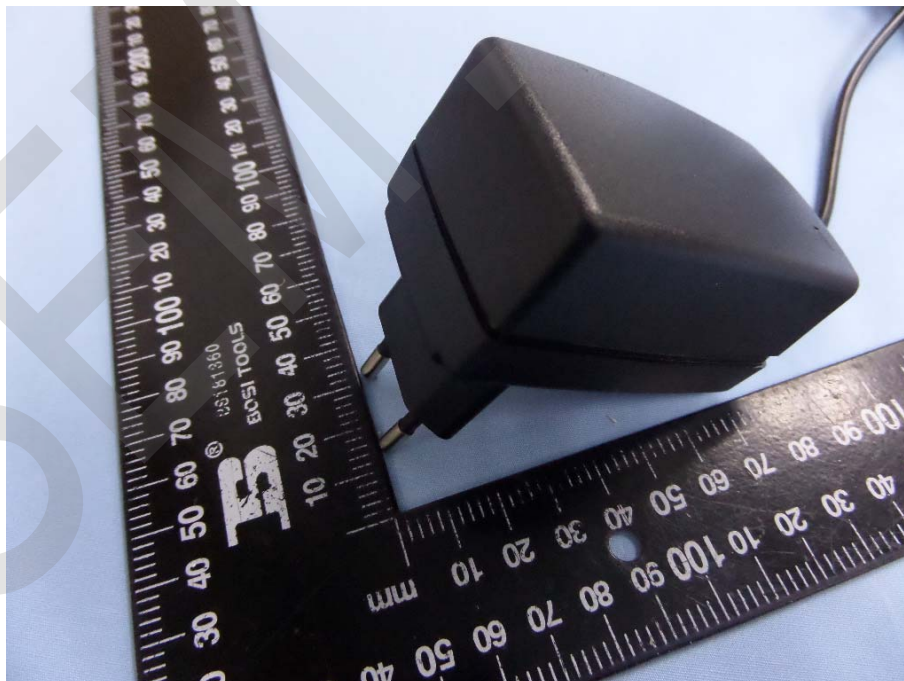


Tested Model: GTM96060-0606-1.0

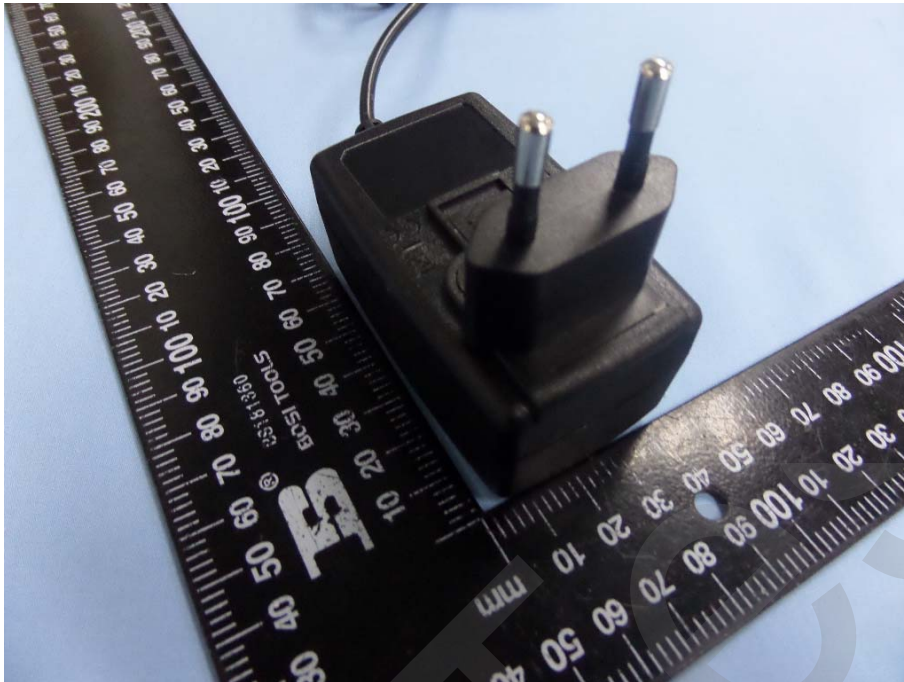
EUT View 1



EUT View 2



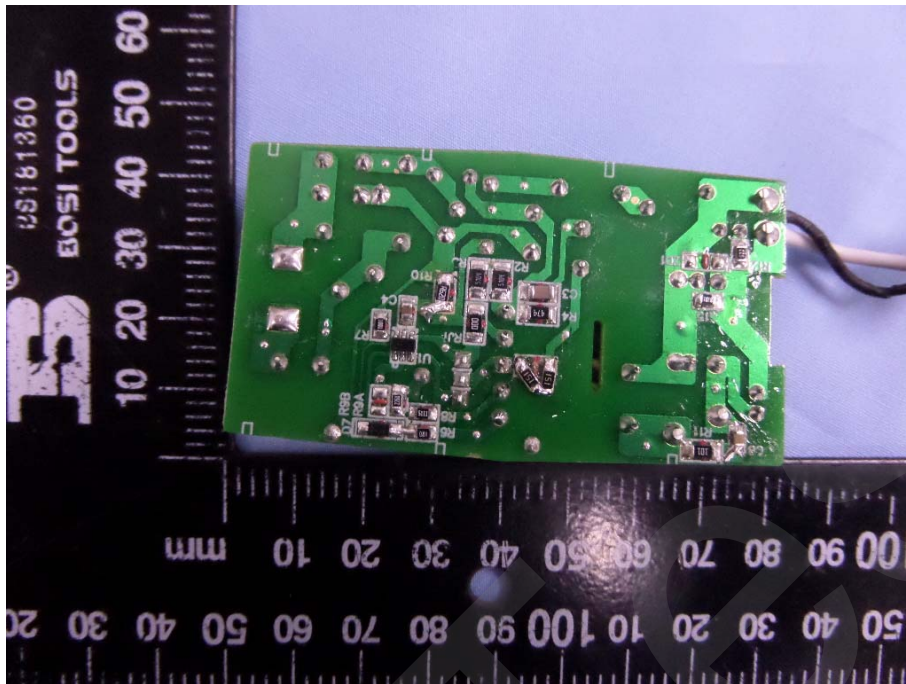
EUT View 3



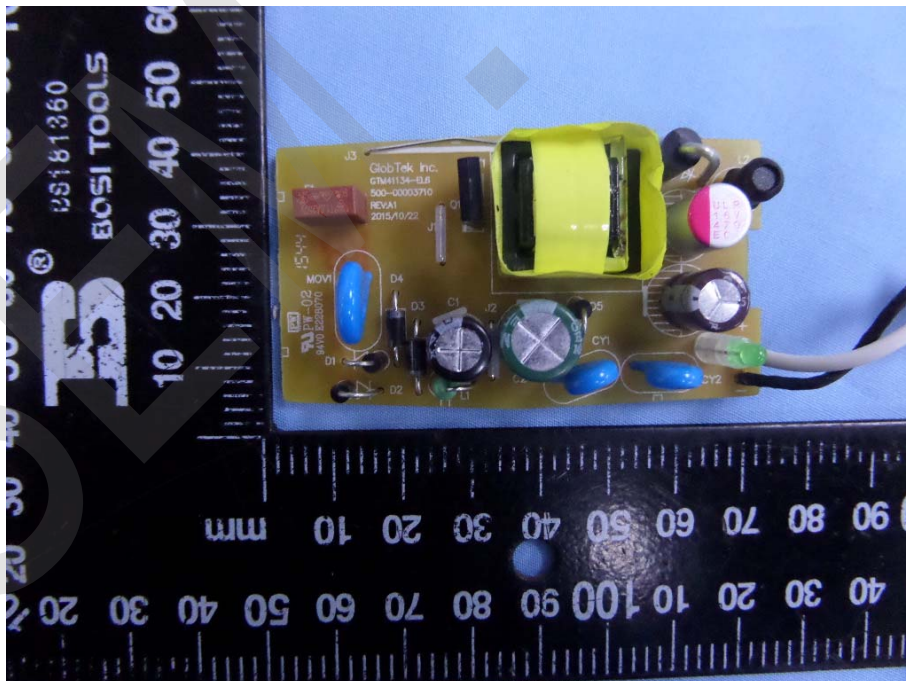
EUT Housing and Board View 1



Solder Board-Component View 1



Solder Board-Component View 2



Tested Model: GTM96060-0624

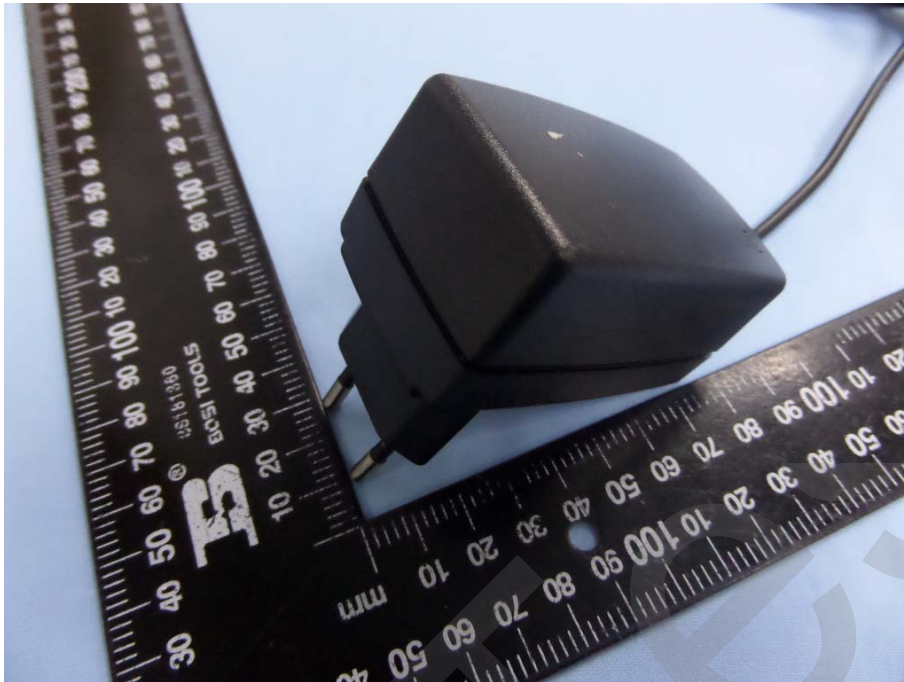
EUT View 1



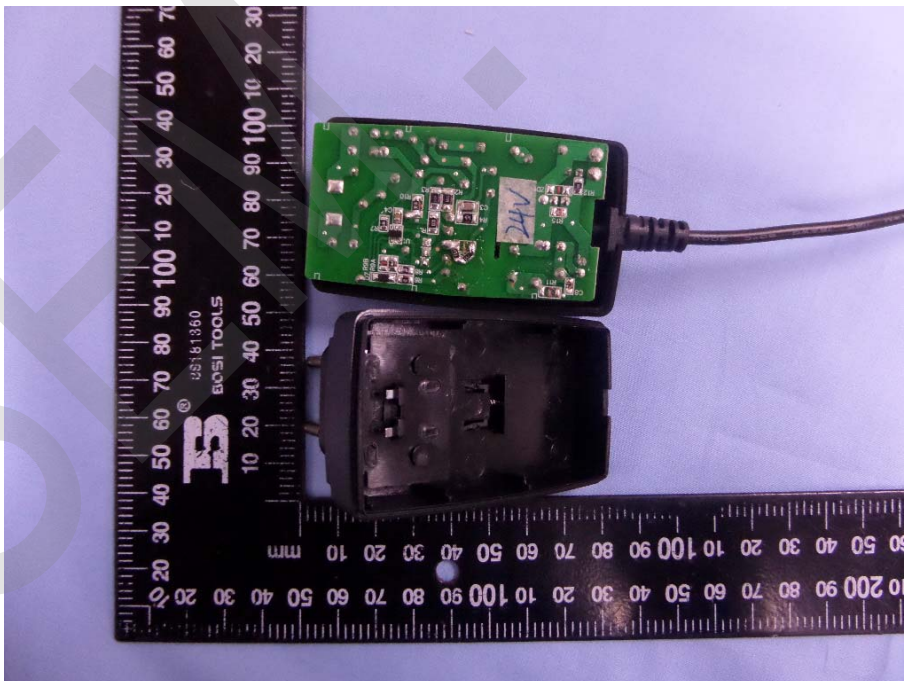
EUT View 2



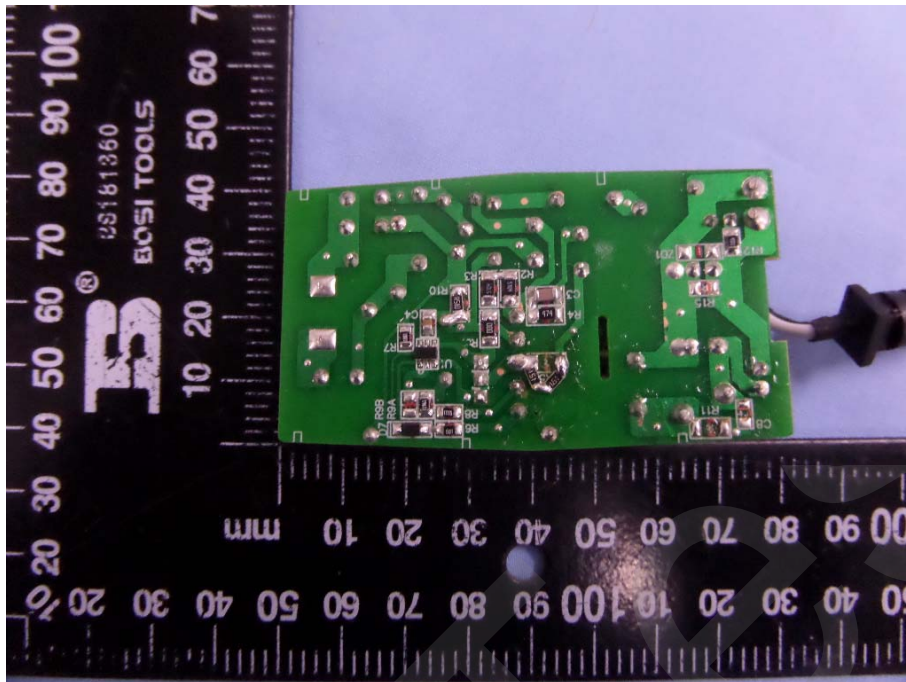
EUT View 3



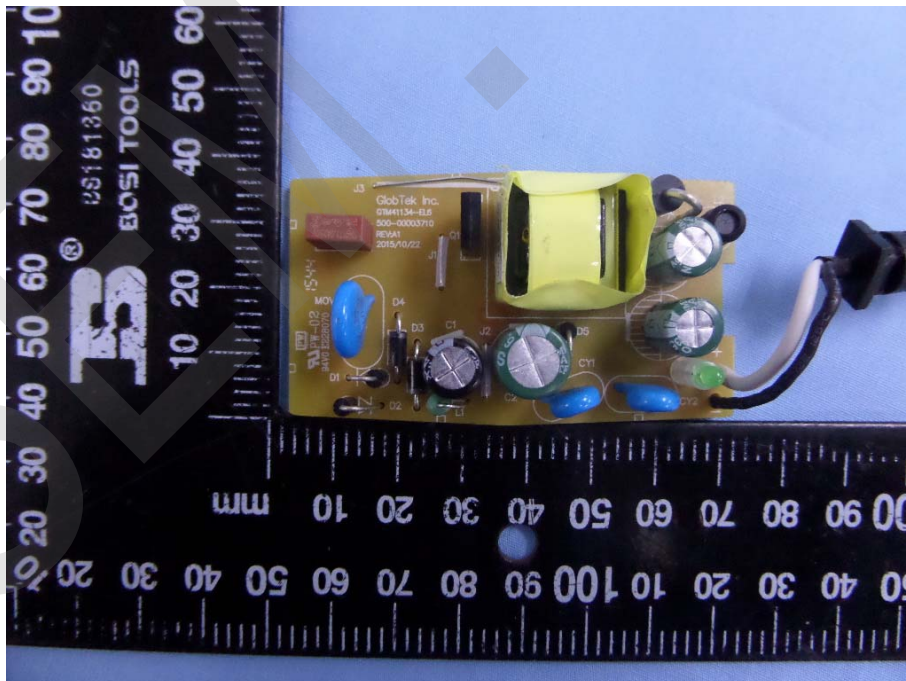
EUT Housing and Board View 1



Solder Board-Component View 1



Solder Board-Component View 2

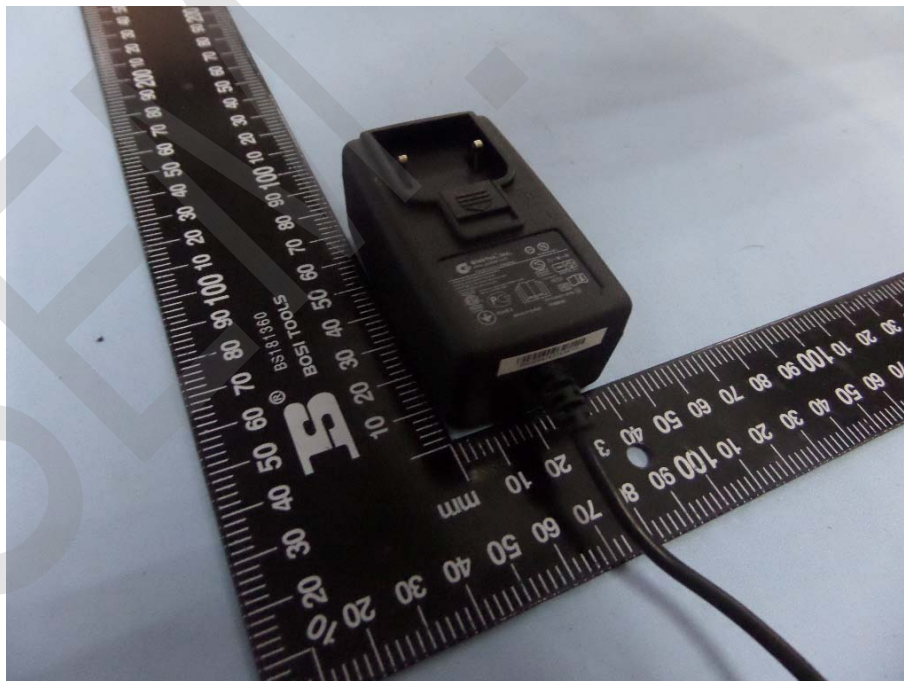


Tested Model: GTM41134-0624

EUT View 1

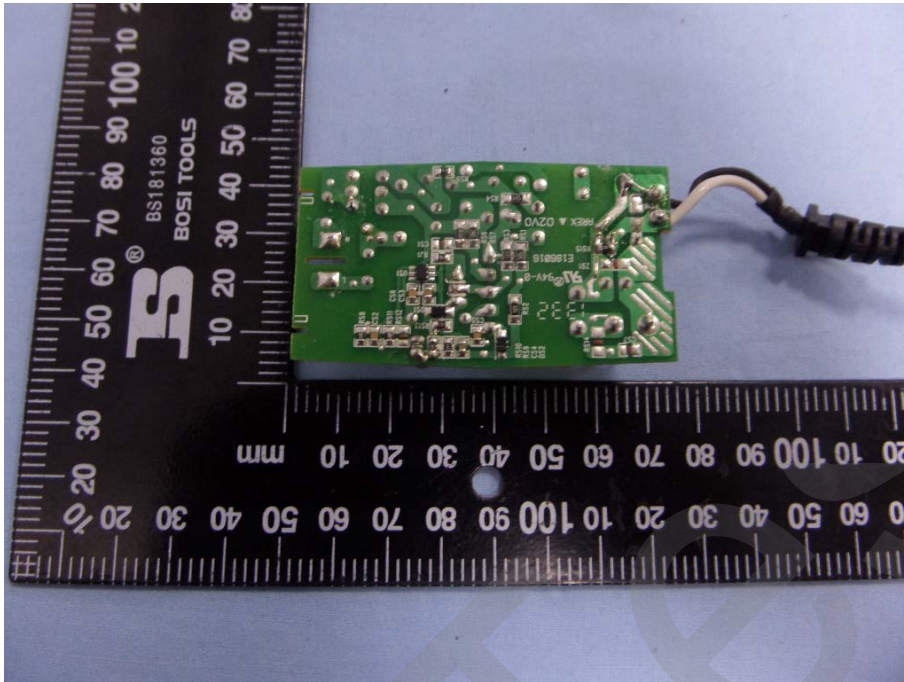


EUT View 2

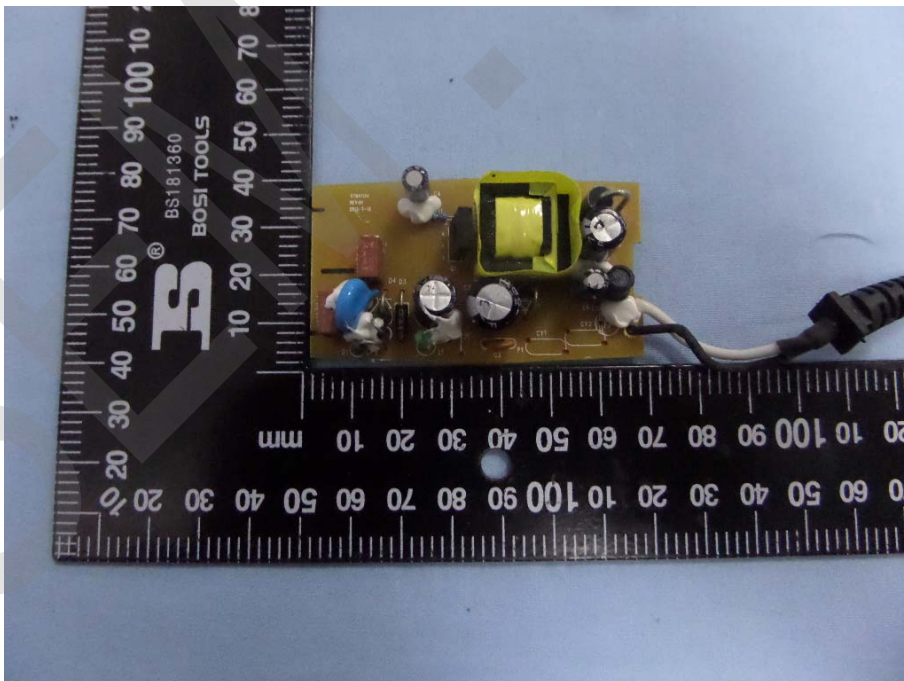


EUT View 3**EUT Housing and Board View 1**

Solder Board-Component View 1



Solder Board-Component View 2

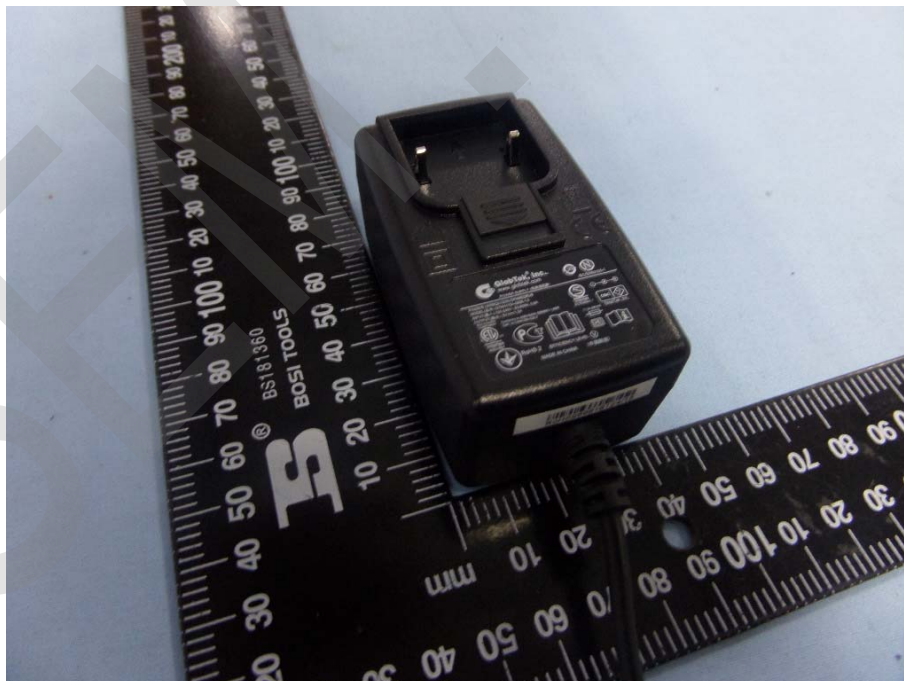


Tested Model: GTM41134-0606-1.0

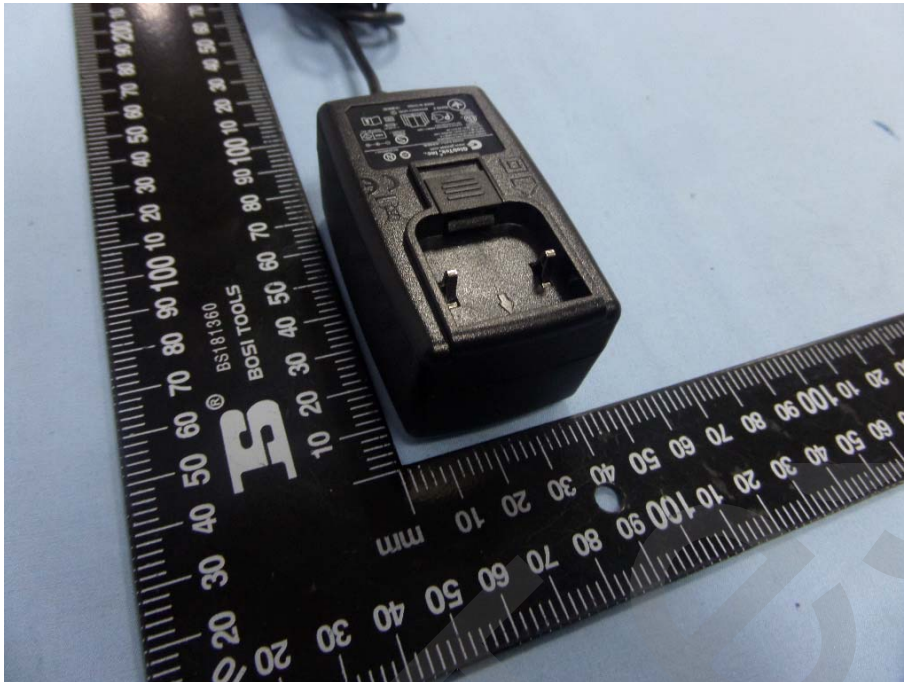
EUT View 1



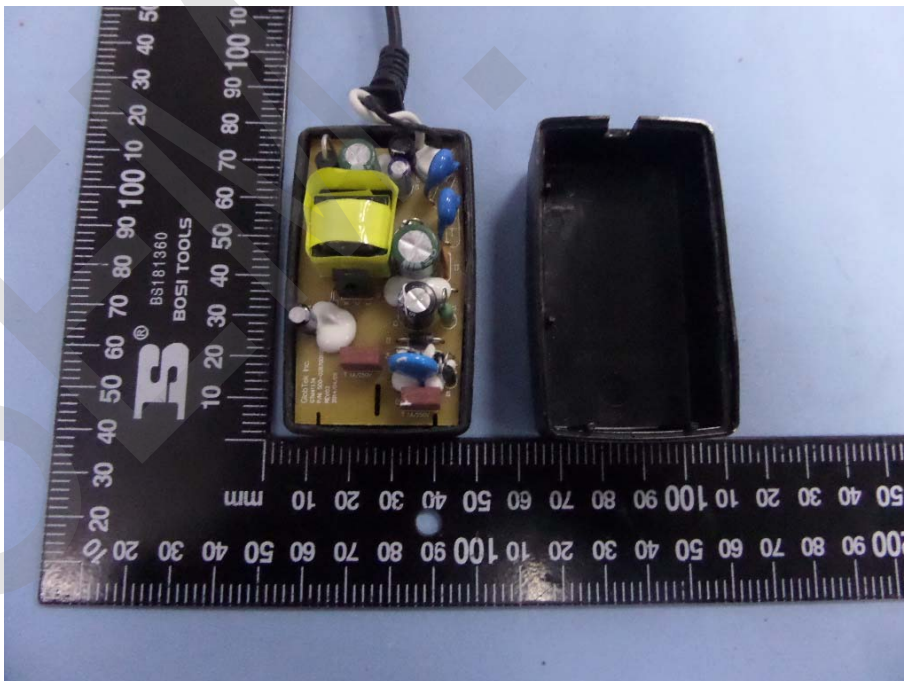
EUT View 2



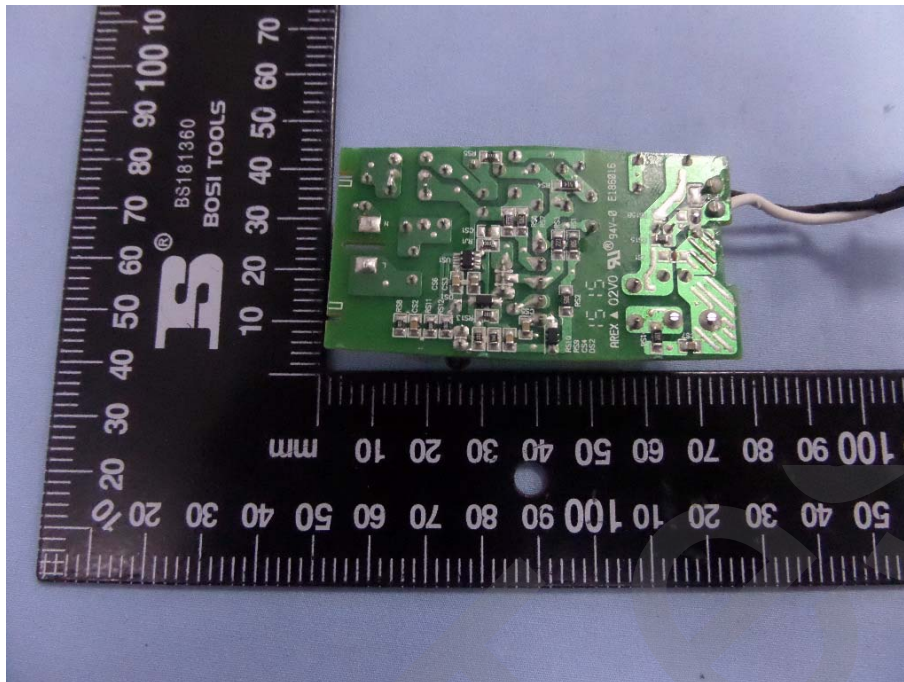
EUT View 3



EUT Housing and Board View 1



Solder Board-Component View 1



Solder Board-Component View 2

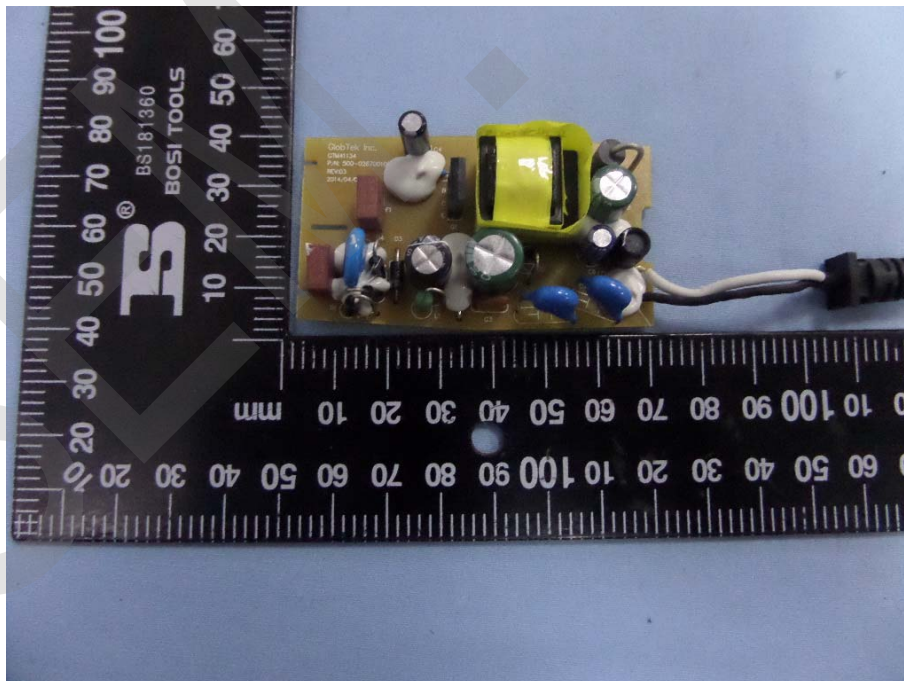
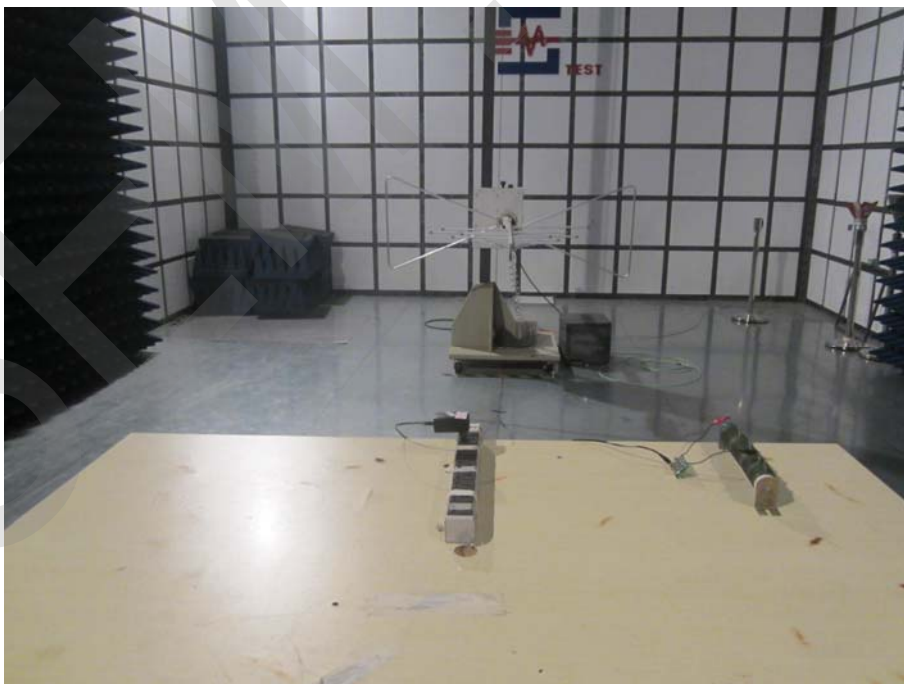


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Conduction Emission Test View



Radiation Emission Test View

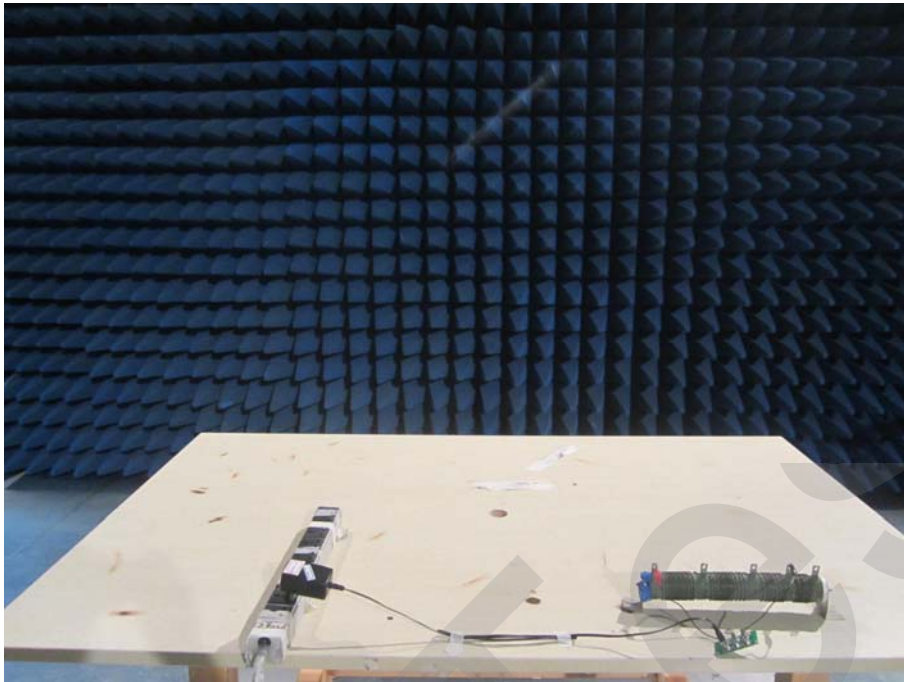


Flicker Test View



IEC61000-4-2 Test View



IEC61000-4-3 Test View**IEC61000-4-4/5/11 Test View**

IEC61000-4-6 Test View

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