

# CE/EMC COMPLIANCE REPORT

For

Shenzhen Fujia Appliance Co., Ltd.

Switching Adapter

Prepared for : Shenzhen Fujia Appliance Co., Ltd.

Address : 5F of Building F, Hengchangrong (xinghui) Sci-Tech. Park, Huaning Road,  
Longhua District, Shenzhen, Guangdong, P.R. China

Prepared by : EST Technology Co., Ltd.

Address : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,  
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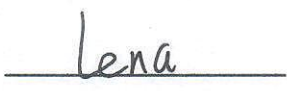


Report No. : ESTE-E1708037-5

Date of Report : Nov. 30, 2022

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# EST Technology Co., Ltd.

<b>Applicant/ Manufacturer: Address:</b>	Shenzhen Fujia Appliance Co., Ltd. 5F of Building F, Hengchangrong (xinghui) Sci-Tech. Park, Huaning Road, Longhua District, Shenzhen, Guangdong, P.R. China		
<b>Factory 1: Address:</b>	Shenzhen Fujia Appliance Co., Ltd. 5F of Building F, Hengchangrong (xinghui) Sci-Tech. Park, Huaning Road, Longhua District, Shenzhen, Guangdong, P.R. China		
<b>Factory 2: Address:</b>	Huizhou Fujia Appliance Tech. Co., Ltd. Building B of Yaoyu Ind. Park, Shatian Town, Huiyang District, Huizhou, Guangdong, P.R. China		
<b>E.U.T:</b>	Switching Adapter		
<b>Model Number:</b>	FJ-SW2017xxxxyyy, FJ-SW2017xxxxyyyD (xxx, yyyy, are variable, Please see section 1.3 of the report)		
<b>Trade Name:</b>	-----	<b>Serial No.:</b>	-----
<b>Date of Receipt:</b>	Jul. 29, 2017	<b>Date of Test:</b>	Jul. 29~Aug. 21, 2017
<b>Test Specification:</b>	EN 55032:2015+A1:2020 / BS EN 55032:2015+A1:2020 EN 55032:2015+A11:2020 / BS EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 / BS EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 / BS EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021 / BS EN 61000-3-3:2013+A1:2019+A2:2021		
<b>Test Result:</b>	The equipment under test was found to be compliance with the requirements of the standards applied.		
		<b>Issue Date:</b> Nov. 30, 2022	
<b>Prepared by:</b>	<b>Reviewed by:</b>	<b>Approved by:</b>	
 _____ Lena/ Assistant	 _____ Sean/ Engineer	 _____ Iceman Hu / Manager	
<b>Other Aspects:</b>			
This report base on the previous report with report number: ESTE-E1708037-4, Add BS criteria to the report			
<i>Abbreviations: OK/P=passed    fail/F=failed    n.a/N=not applicable    E.U.T=equipment under tested</i>			
<i>This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. The statement of compliance in this report is based on the limit in the test standard, the measurement uncertainty is not considered.</i>			

# 1. GENERAL PRODUCT INFORMATION

## 1.1. Product Function

Refer to Technical Construction Form and User Manual.

## 1.2. Description of Device (EUT)

Description : Switching Adaptor  
Model No. : FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D,  
FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000,  
FJ-SW20173301970, FJ-SW20175401200  
System Input Voltage : AC 100-240V, 50/60Hz  
AC Line : Unshielded, Detachable 1.5 m  
PC Line : Unshielded, Undetachable 1.5 m

## 1.3. Difference between Model Numbers

### Model list:

Model Number	Output Voltage Range (Vdc)	Output Current Range (A)	Max. Output Power (W)	Transformer
FJ-SW2017xxxxyyy FJ-SW2017xxxxyyyD (xxx=050-090, yyyy=0100-6000)	5.0-9.0	0.1-6.0	54	2017-T1 (Sec winding Φ0.45mm*6P*3Ts)
FJ-SW2017xxxxyyy FJ-SW2017xxxxyyyD (xxx=095-195, yyyy=0100-6000)	9.5-19.5	0.1-6.0	65	2017-T2 (Sec winding Φ0.45mm*4P*6Ts)
FJ-SW2017xxxxyyy FJ-SW2017xxxxyyyD (xxx=200-330, yyyy=0100-3250)	20.0-33.0	0.1-3.25	65	2017-T3 (Sec winding Φ0.50mm*2P*10Ts)
FJ-SW2017xxxxyyy FJ-SW2017xxxxyyyD (xxx=360-540, yyyy=0100-1800)	36.0-54.0	0.1-1.80	65	2017-T4 (Sec winding Φ0.45mm*2P*18Ts)

### Note:

The output voltage is rising in steps of 0.5V

The output current is rising in steps of 0.01A

Output voltage multiplied with output current are only tested up to the max. output power.



**Note:**

Variable: W	Range of variable:	Content:
xxx	‘x’ is a 3 digit number code, from 050-090,095-195,200-330,360-540	The represents the output voltage, 050 represents the output voltage is 5.0V
yyyy	‘y’ is a 4 digit number code, from 0100 to 6000	This represents the output current in Ampere after dividing by 100 by step of 0.01A, for example, 0100 represents the output current is 1.0A.

model Components	FJ-SW2017xxxxxyyy, FJ-SW2017xxxxxyyyD (xxx=050-085)	FJ-SW2017xxxxxyyy FJ-SW2017xxxxxyyyD (xxx=095-175)	FJ-SW2017xxxxxyyy FJ-SW2017xxxxxyyyD (xxx=180-275)
C6	Min.47 $\mu$ F, 400V	Min.47 $\mu$ F, 400V	Min.47 $\mu$ F, 400V
C7,C22	Min. 10V	Min. 16V	Min. 25V
Q4	Min.40V, 40A	Min.80V, 40A	Min.150V, 10A

model Components	FJ-SW2017xxxxxyyy, FJ-SW2017xxxxxyyyD (xxx=280-395)	FJ-SW2017xxxxxyyy FJ-SW2017xxxxxyyyD (xxx=400-540)
C6	Min.47 $\mu$ F, 400V	Min.47 $\mu$ F, 400V
C7,C22	Min. 35V	Min. 40V
Q4	Min.300V, 10A	Min.400V, 5A

## 1.4. Independent Operation Modes

The basic operation modes are:

1.4.1. Full Load

1.4.2. Half Load

1.4.3. No Load

## 2. TEST STANDARDS AND SITES

### 2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION(EN 55032:2015+A1:2020)				
Description of Test Item	Standard	Limits		Results
Conducted disturbance at mains terminals	EN 55032:2015+A1:2020	Class B		PASS
		Minimum passing margin is 4.94dB at 0.17MHz		
Asymmetric mode conducted emissions	EN 55032:2015+A1:2020	Class B		N/A
		More than *** dB below the limit line.		
Radiated disturbance	EN 55032:2015+A1:2020	Class B		PASS
		Minimum passing margin is 3.16dB at 36.79MHz		
Harmonic current emissions	EN IEC 61000-3-2:2019+A1:2021	Class A		N/A
Voltage fluctuations & flicker	EN 61000-3-3:2013+A1:2019+A2:2021	Section 4.4		PASS
IMMUNITY (EN 55035:2017+A11:2020)				
Description of Test Item	Basic Standard	Performance Criteria	Observation Criteria	Results
Electrostatic discharge (ESD)	EN 61000-4-2:2009	B	A	PASS
Radio-frequency,Continuous radiated disturbance	EN 61000-4-3:2006+A1:2008+A2:2010	A	A	PASS
Electrical fast transient (EFT)	EN 61000-4-4:2012	B	A	PASS
Surge (Input a.c. power port)	EN 61000-4-5:2014	B	A	PASS
Radio-frequency,Continuous conducted disturbance	EN 61000-4-6:2014	A	A	PASS
Power frequency magnetic field	EN 61000-4-8:2010	A	A	PASS
Voltage dips, >95% reduction	EN 61000-4-11:2004	B	A	PASS
Voltage dips, 30% reduction		C	B	PASS
Voltage interruptions		C	B	PASS
N/A is an abbreviation for Not Applicable.				

## 2.2. Test Facilities

EMC Lab : Certificated by CNAS, CHINA  
Registration No.: L5288  
This Certificate is valid until: November 12, 2023

Certificated by FCC, USA  
Designation Number: CN1215  
This Certificate is valid until: January 31, 2024

Certificated by A2LA, USA  
Registration No.: 4366.01  
This Certificate is valid until: January 31, 2024

Certificated by Industry Canada  
CAB identifier No.: CN0035  
This Certificate is valid until: January 31, 2024

Certificated by VCCI, Japan  
Registration No.: C-14103; T-20073; R-13663;  
R-20103; G-20097  
Date of registration: Apr. 20, 2020  
This Certificate is valid until: Apr. 19, 2023

Certificated by TUV Rheinland, Germany  
Registration No.: UA 50413872 0001  
Date of registration: July 31, 2018

Certificated by Intertek  
Registration No.: 2011-RTL-L2-64  
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,  
Guangdong, China

## 2.3.List of Test and Measurement Instruments

### 2.3.1. For conducted emission at the mains terminals test (2# conduction)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESPR3	EST-E070	June 13,22	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E048	June 13,22	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

### 2.3.2. For radiated emission test (2# 966 radiation)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESCI3	EST-E071	June 13,22	1 Year
Bilog Antenna	Teseg	CBL 6111D	EST-E053	June 13,22	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

### 2.3.3. For harmonic current emissions and voltage fluctuations/flicker test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Analyzer	California Instruments	3001IX-208-CTS	EST-E011	June 13,22	1 Year
Voltage Source	California Instruments	3001IX-208	EST-E012	June 13,22	1 Year
Test Software	California Instruments	CTS	N/A	N/A	N/A

### 2.3.4. For electrostatic discharge immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
ESD Generator	HAEFELY	ONYX16	EST-E013	June 13,22	1 Year

### 2.3.5. Radio Frequency Electromagnetic Field Immunity (R/S) Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Agilent	N5181A	EST-E060	June 13,22	1 Year
Power Amplifier	SKET	HAP801000M-250W	EST-E061	N/A	N/A
Power Amplifier	SKET	HAP0103G-75W	EST-E062	N/A	N/A
Power Amplifier	SKET	HAP0306G-50W	EST-E063	N/A	N/A
Power Meter	Agilent	E4419B	EST-E064	June 13,22	1 Year
Power sensor	Agilent	E9301A	EST-E065	June 13,22	1 Year
Power sensor	HP	E9301A	EST-E066	June 13,22	1 Year
Antenna	Schwarzbeck	STLP 9129	EST-E059	N/A	N/A
E-Field Probe	Narda	EP-601	EST-E067	June 13,22	1 Year
Test Software	SKET	EMC-S	V1.2.0.48	N/A	N/A

### 2.3.6. For electrical fast transient/burst immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EFT Generator	EMC PARTNER	TRANSIENT 2000	EST-E074	June 13,22	1 Year
Capacitive Coupling Clamp	HAEFELY	IP4A	EST-E040	June 13,22	1 Year

### 2.3.7. For surge immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Surge Controller	HAEFELY	PSURGE8000	EST-E015	June 13,22	1 Year
Surge Impulse Module	HAEFELY	PIM100	EST-E016	June 13,22	1 Year
Surge Coupling Network	HAEFELY	PCD100	EST-E017	June 13,22	1 Year



### 2.3.8. For injected currents susceptibility test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Rohde &Schwarz	SMB100A	EST-E025	June 13,22	1 Year
Power Amplifier	FRANKONIA	CIT-10	EST-E021	June 13,22	1 Year
Power Meter	Rohde &Schwarz	NRVS	EST-E027	June 13,22	1 Year
CDN	FRANKONIA	CDN-M2+M3	EST-E022	June 13,22	1 Year
EM-Clamp	FRANKONIA	EMCL-20	EST-E042	June 13,22	1 Year
Test Software	SKET	EMC-S	V1.2.0.80	N/A	N/A

### 2.3.9.For power frequency magnetic field immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Magnetic Field Tester	HAEFELY	MFS 100	EST-E018	June 13,22	1 Year

### 2.3.10.For voltage dips and short interruptions immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
DIPS Tester	EMC PARTNER	TRANSIENT 2000	EST-E074	June 13,22	1 Year

Note: All calibration reports of the equipment were provided by LiSai calibration and Testing

### 3. TEST SET-UP AND OPERATION MODES

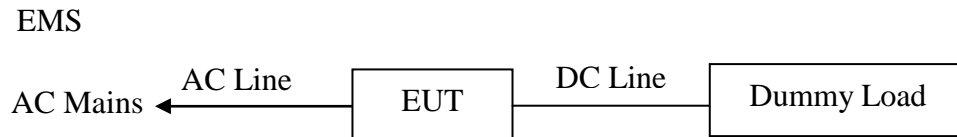
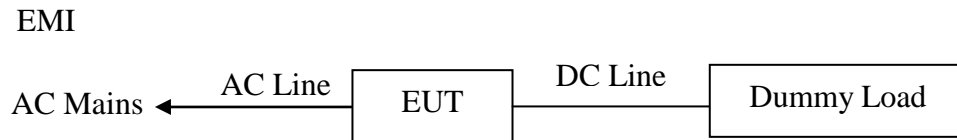
#### 3.1. Principle of Configuration Selection

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

**Immunity:** The equipment under test (EUT) was configured to the representative operating mode and conditions.

#### 3.2. Block Diagram of Test Set-up

System Diagram of Connections Between EUT and Simulators



(EUT: Switching Adaptor)

#### 3.3. Test Operation Mode and Test Software

Refer to Test Setup in clause 4 & 5.

#### 3.4. Special Accessories and Auxiliary Equipment

None.

#### 3.5. Countermeasures to Achieve EMC Compliance

None.

## 4. EMISSION TEST RESULTS

### 4.1. Conducted Emission at The Mains Terminals Test

**RESULT** : **Pass**  
Test procedure : EN 55032:2015+A1:2020  
Frequency range : 0.15 ~ 30MHz  
Test Site : 2# Conduction Shielded Room  
Limits : EN 55032:2015+A1:2020 Class B

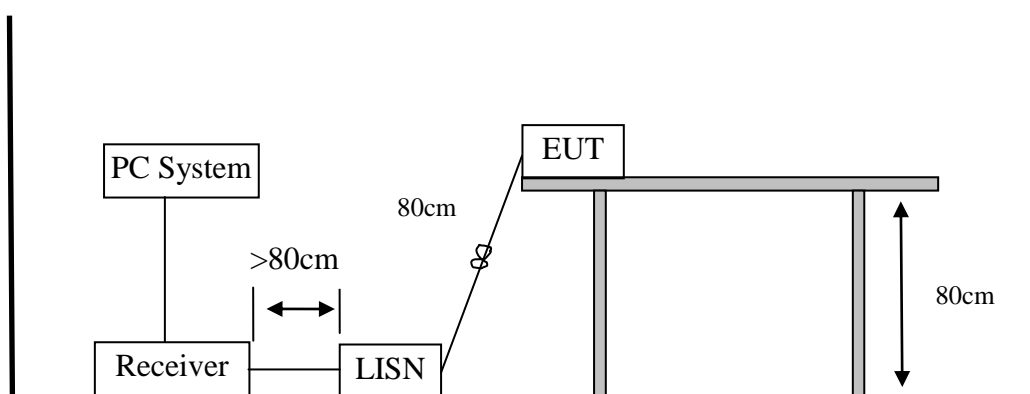
#### Test Setup

Date of test : Jul. 31~Aug. 08, 2017  
Model No. : FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D,  
FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000,  
FJ-SW20173301970, FJ-SW20175401200  
Input Voltage : AC 230V/50Hz, AC 110V/60Hz  
Operation Mode : Full Load, Half Load, No Load

The frequency range from 150 kHz to 30 MHz was investigated.

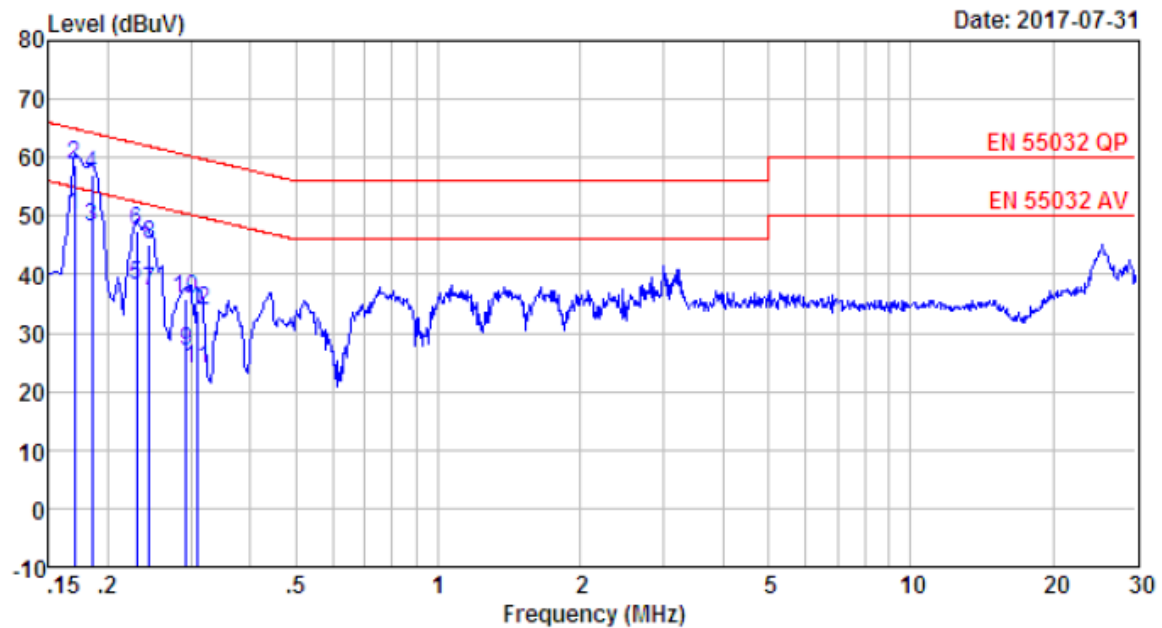
The bandwidth of the test receiver was set at 9 kHz.

The test data of the worst case condition(s) was reported on the following page.



**Note: Test uncertainty:  $\pm 3.40\text{dB}$  at a level of confidence of 95%.(2#CE)**

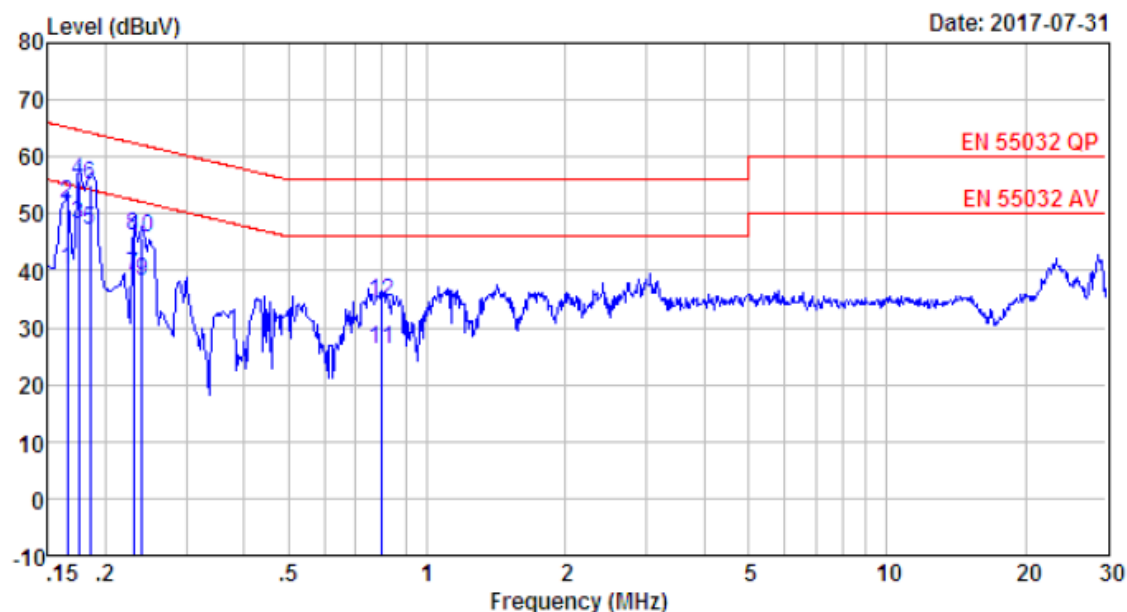
## Test Data



Site no : 2# Conduction Shield Room Data no. : 263  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y+Y

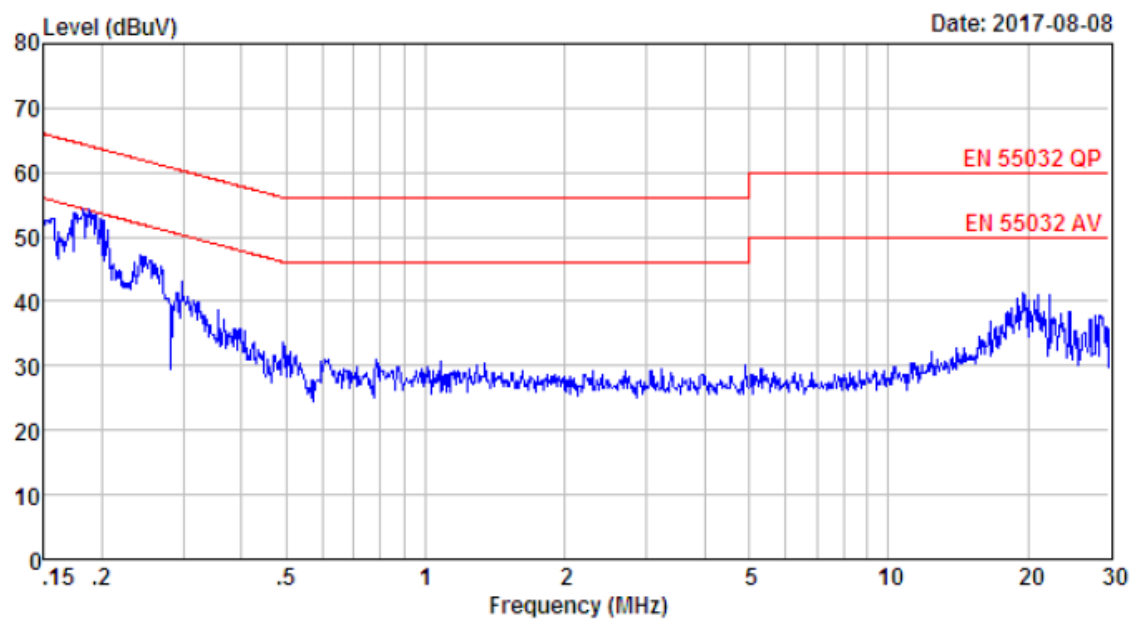
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17	9.52	9.81	30.67	50.00	54.94	4.94	Average
2	0.17	9.52	9.81	39.32	58.65	64.94	6.29	QP
3	0.19	9.56	9.80	28.64	48.00	54.24	6.24	Average
4	0.19	9.56	9.80	37.57	56.93	64.24	7.31	QP
5	0.23	9.60	9.80	18.60	38.00	52.44	14.44	Average
6	0.23	9.60	9.80	28.03	47.43	62.44	15.01	QP
7	0.24	9.60	9.82	17.58	37.00	51.95	14.95	Average
8	0.24	9.60	9.82	25.77	45.19	61.95	16.76	QP
9	0.29	9.60	9.83	7.57	27.00	50.46	23.46	Average
10	0.29	9.60	9.83	16.24	35.67	60.46	24.79	QP
11	0.31	9.60	9.83	4.57	24.00	50.02	26.02	Average
12	0.31	9.60	9.83	14.47	33.90	60.02	26.12	QP



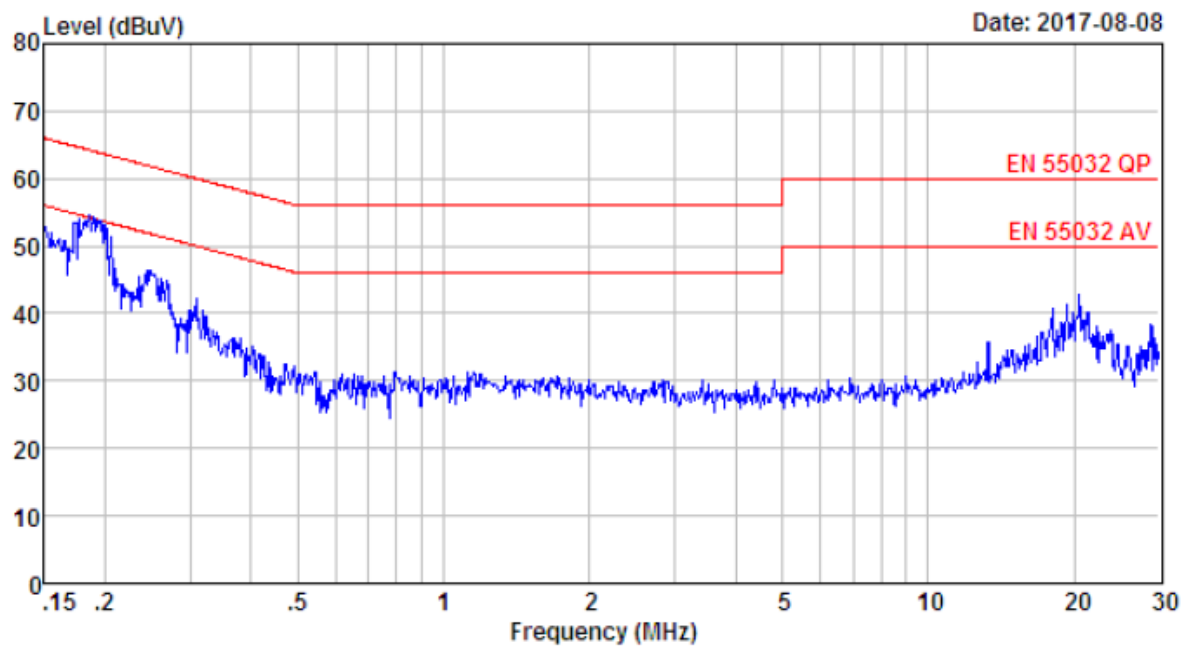


Site no : 2# Conduction Shield Room Data no. : 261  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load (Output:54V/1.2A)  
 Y+Y

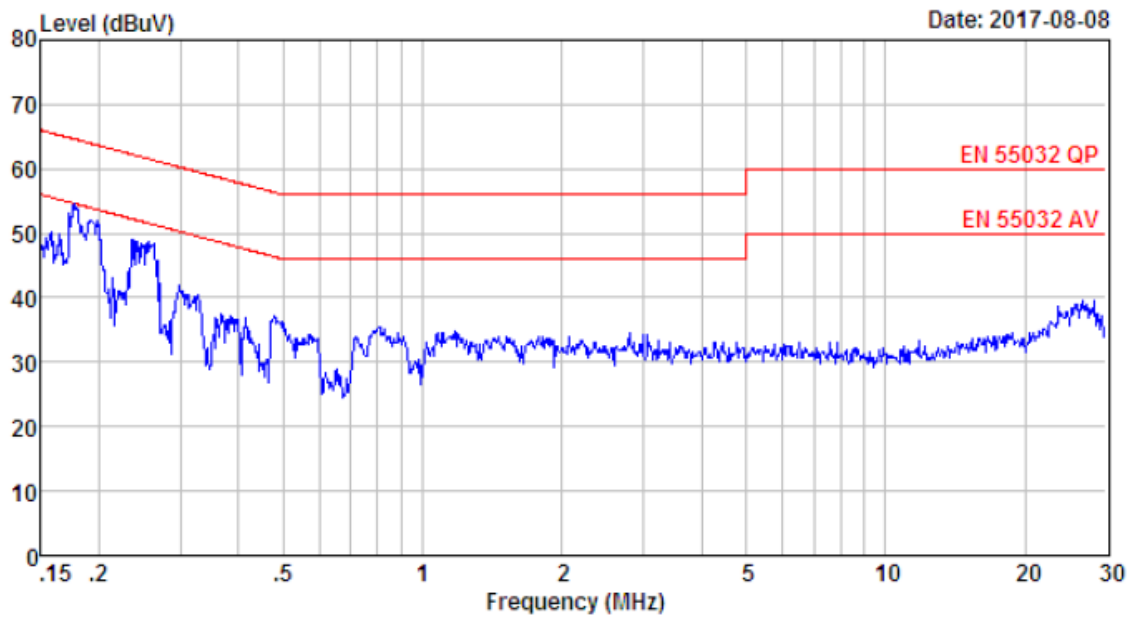
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17	9.61	9.81	20.58	40.00	55.21	15.21	Average
2	0.17	9.61	9.81	32.23	51.65	65.21	13.56	QP
3	0.17	9.61	9.80	28.59	48.00	54.72	6.72	Average
4	0.17	9.61	9.80	36.35	55.76	64.72	8.96	QP
5	0.19	9.61	9.80	27.59	47.00	54.24	7.24	Average
6	0.19	9.61	9.80	35.84	55.25	64.24	8.99	QP
7	0.23	9.61	9.80	19.59	39.00	52.44	13.44	Average
8	0.23	9.61	9.80	26.65	46.06	62.44	16.38	QP
9	0.24	9.61	9.82	18.57	38.00	52.08	14.08	Average
10	0.24	9.61	9.82	26.23	45.66	62.08	16.42	QP
11	0.80	9.61	9.81	6.78	26.20	46.00	19.80	Average
12	0.80	9.61	9.81	14.93	34.35	56.00	21.65	QP



Site no : 844 Shield Room Data no. : 217  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y

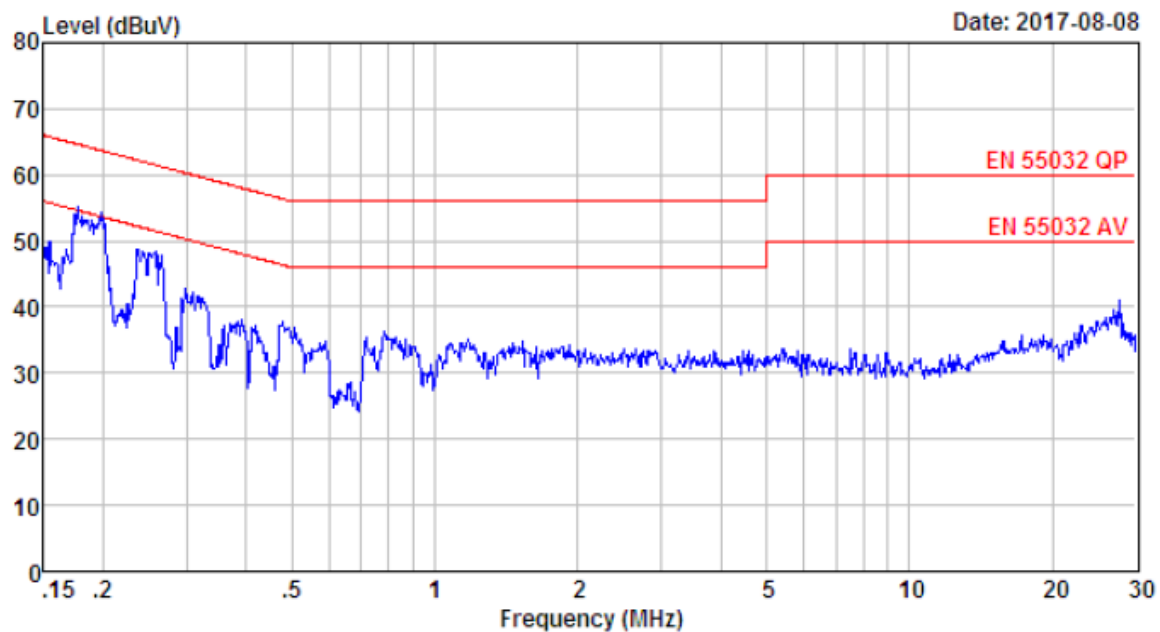


Site no : 844 Shield Room Data no. : 219  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y

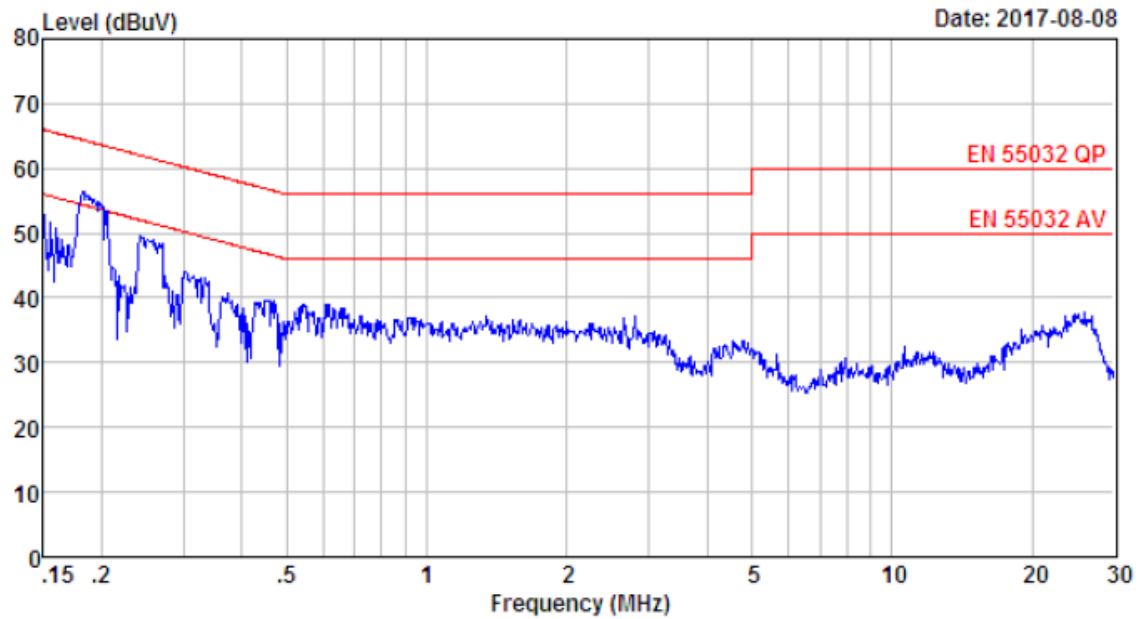


Site no : 844 Shield Room Data no. : 221  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y

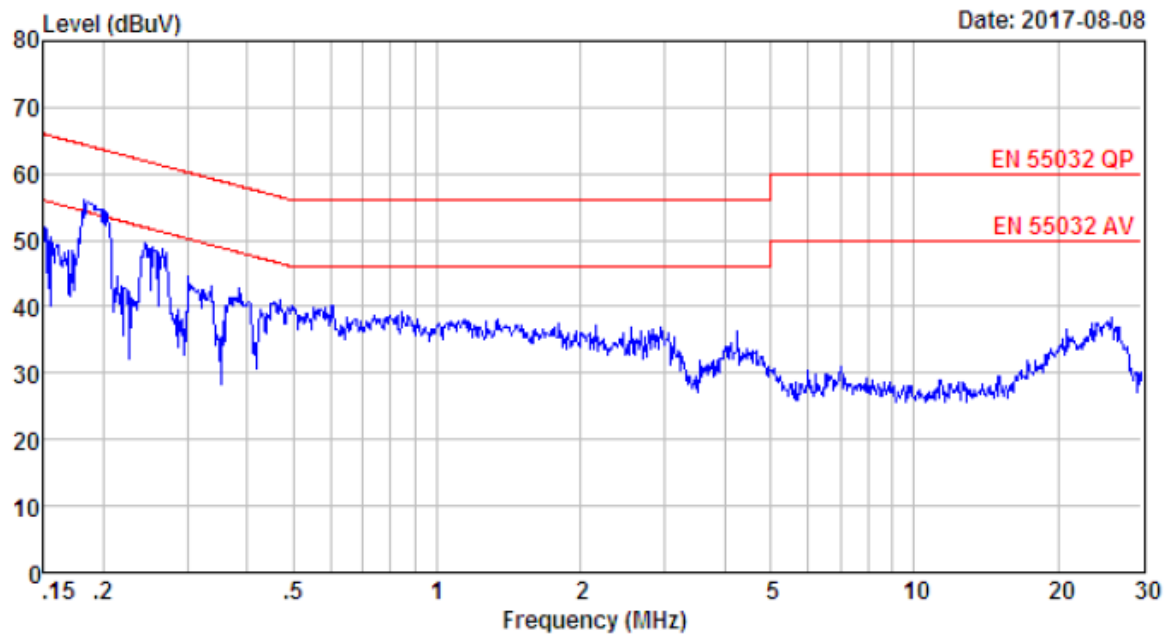




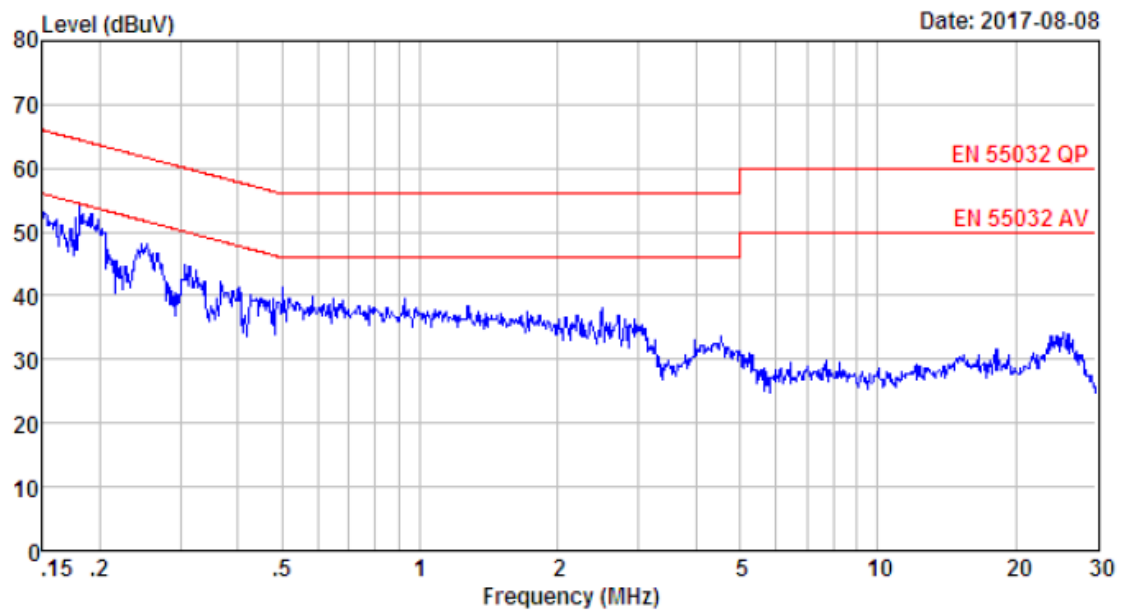
Site no : 844 Shield Room Data no. : 223  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y



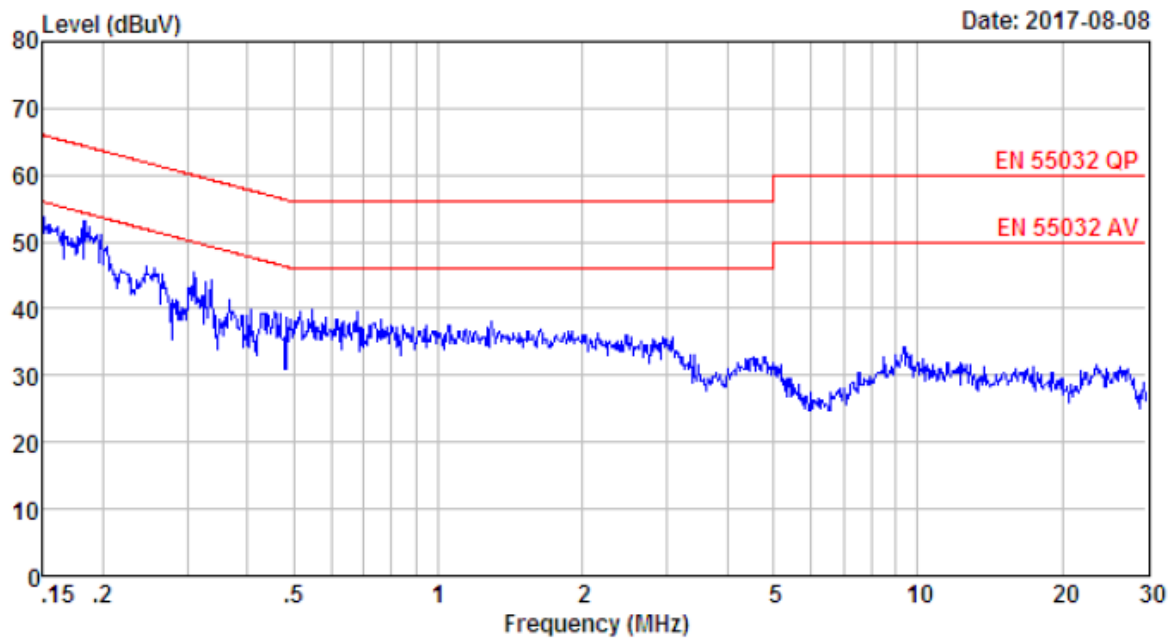
Site no : 844 Shield Room Data no. : 225  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y



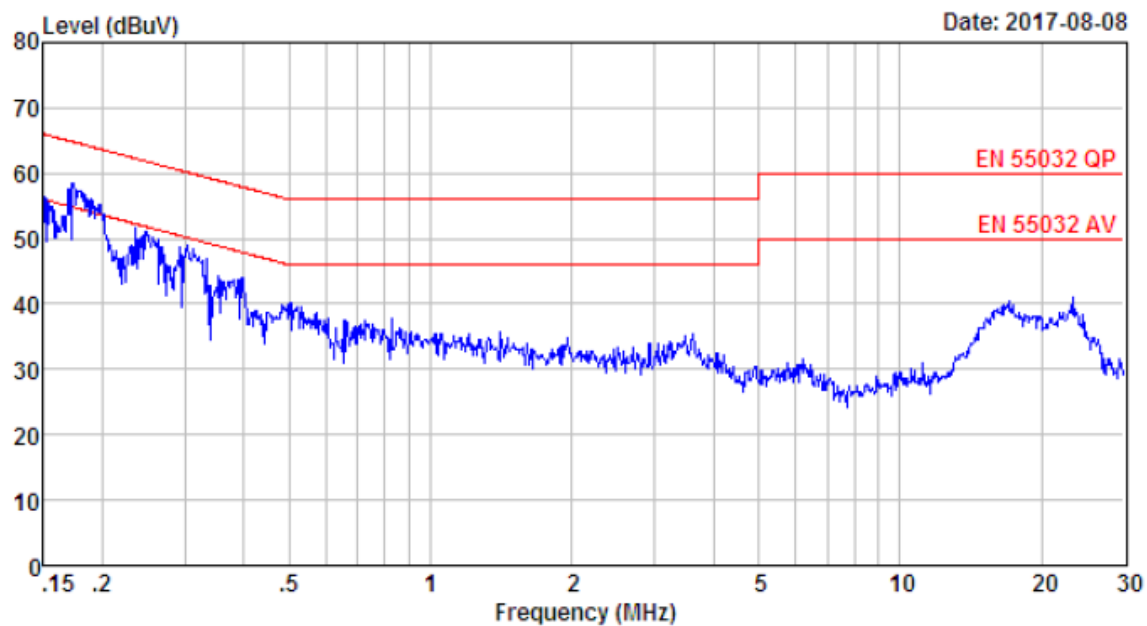
Site no : 844 Shield Room Data no. : 227  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y



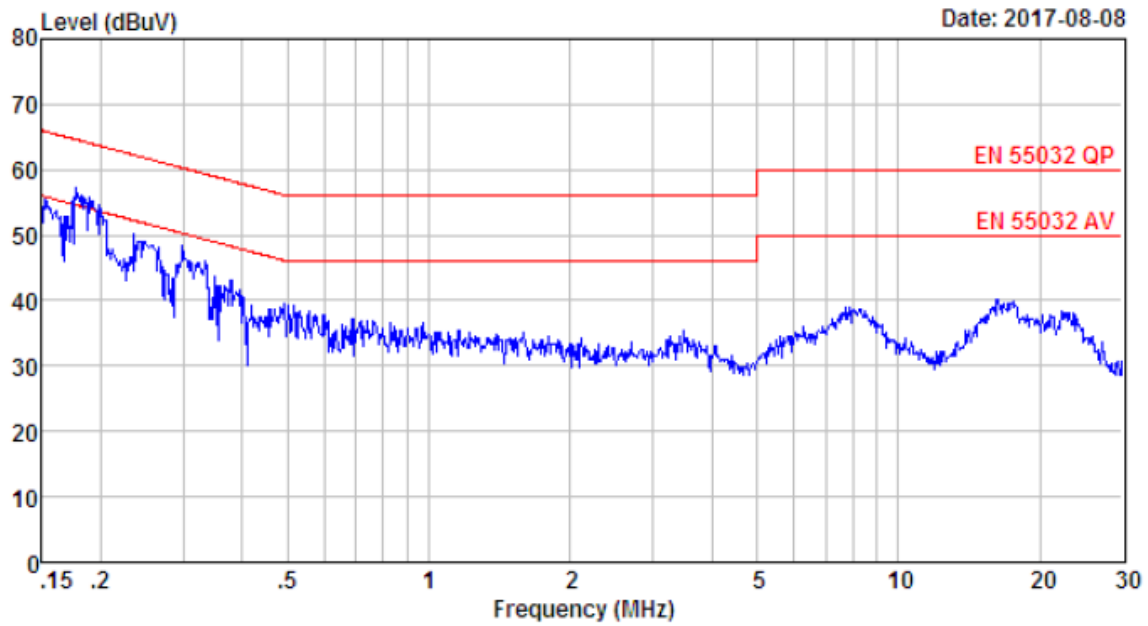
Site no : 844 Shield Room Data no. : 229  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y



Site no : 844 Shield Room Data no. : 231  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y

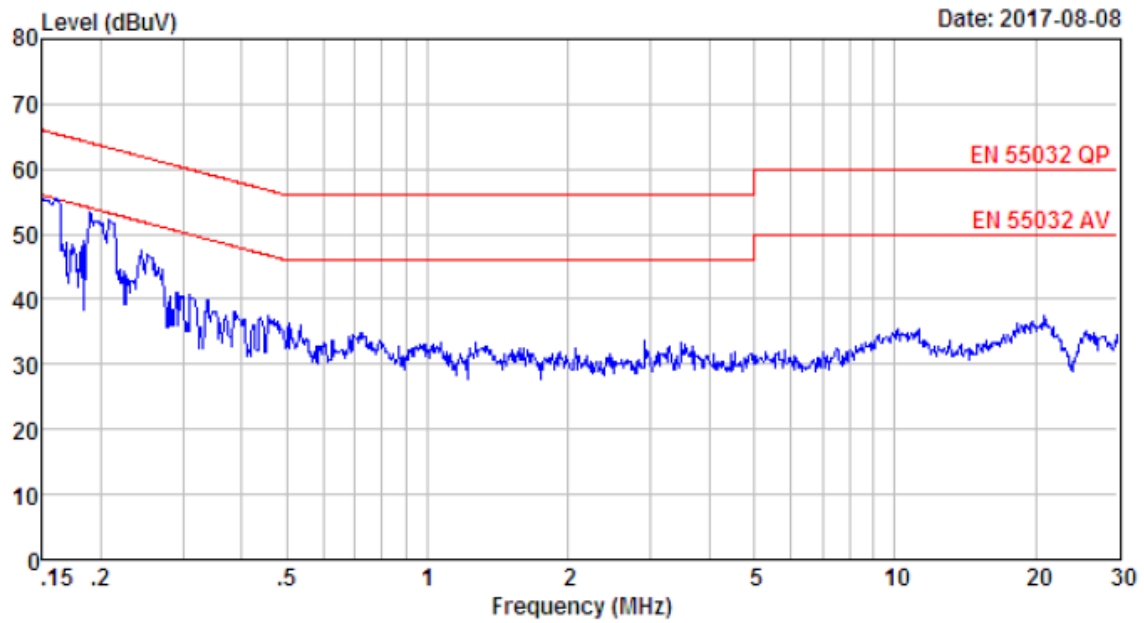


Site no : 844 Shield Room Data no. : 233  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y

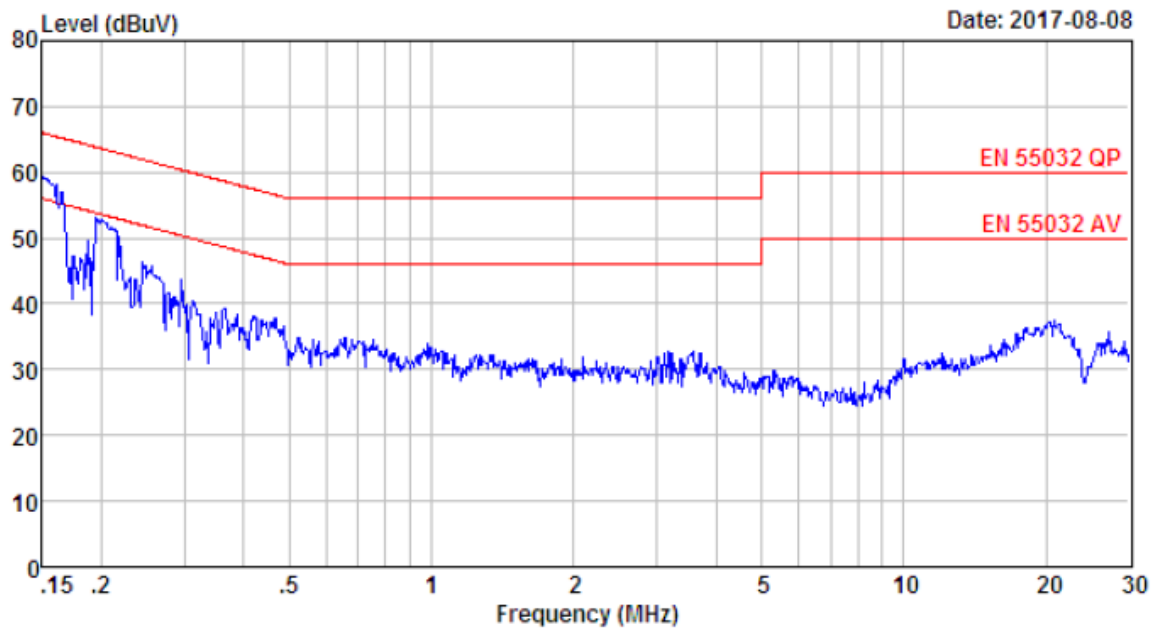


Site no : 844 Shield Room Data no. : 235  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load (Output:10.8V/6A)  
 Y

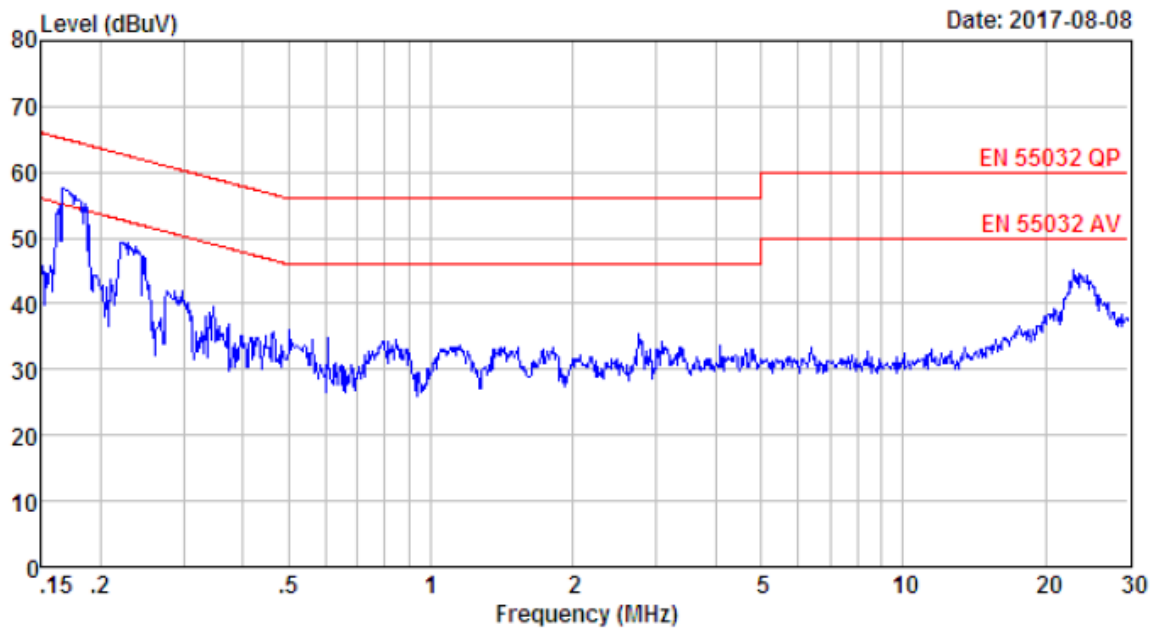




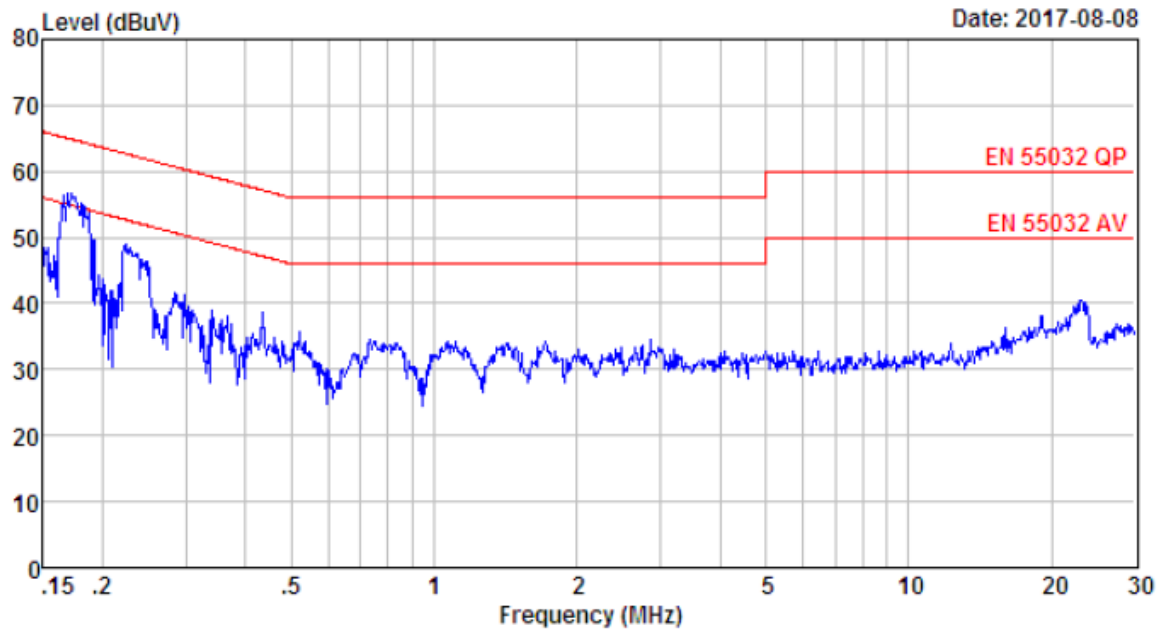
Site no : 844 Shield Room Data no. : 237  
 Env. / Ins. : Temp:24.5°C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y



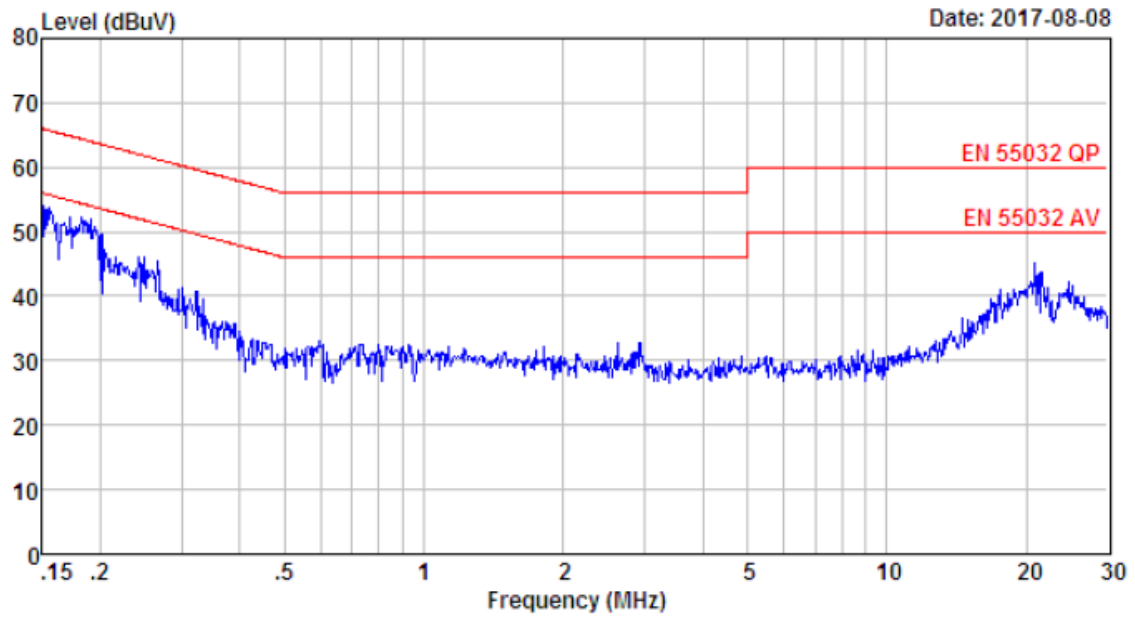
Site no : 844 Shield Room Data no. : 239  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y



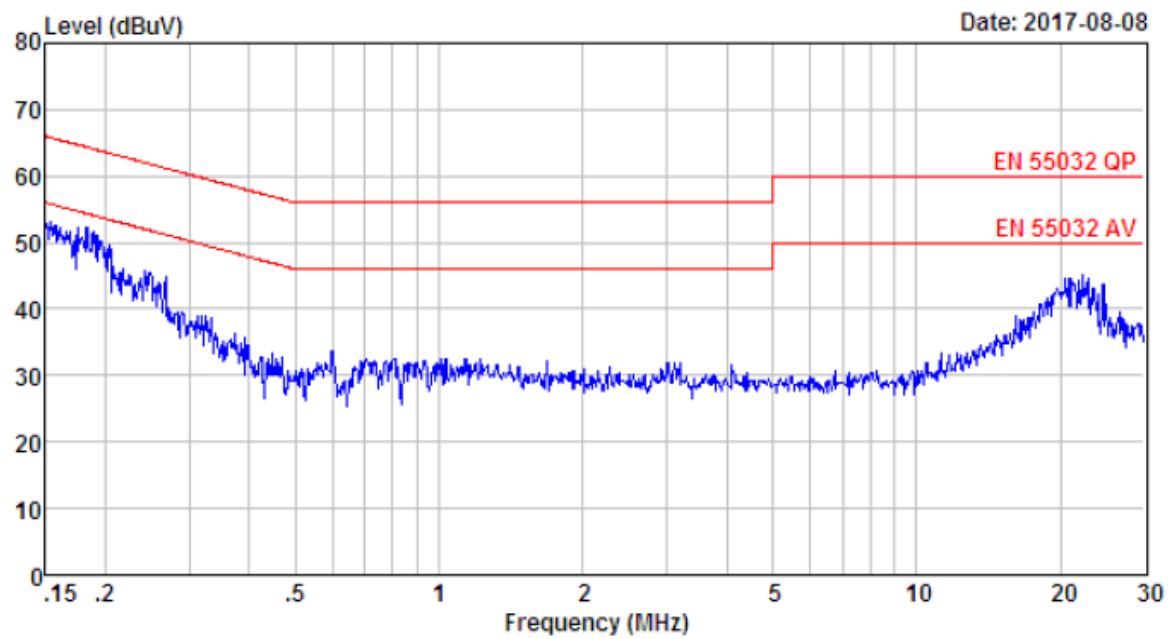
Site no : 844 Shield Room Data no. : 241  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y



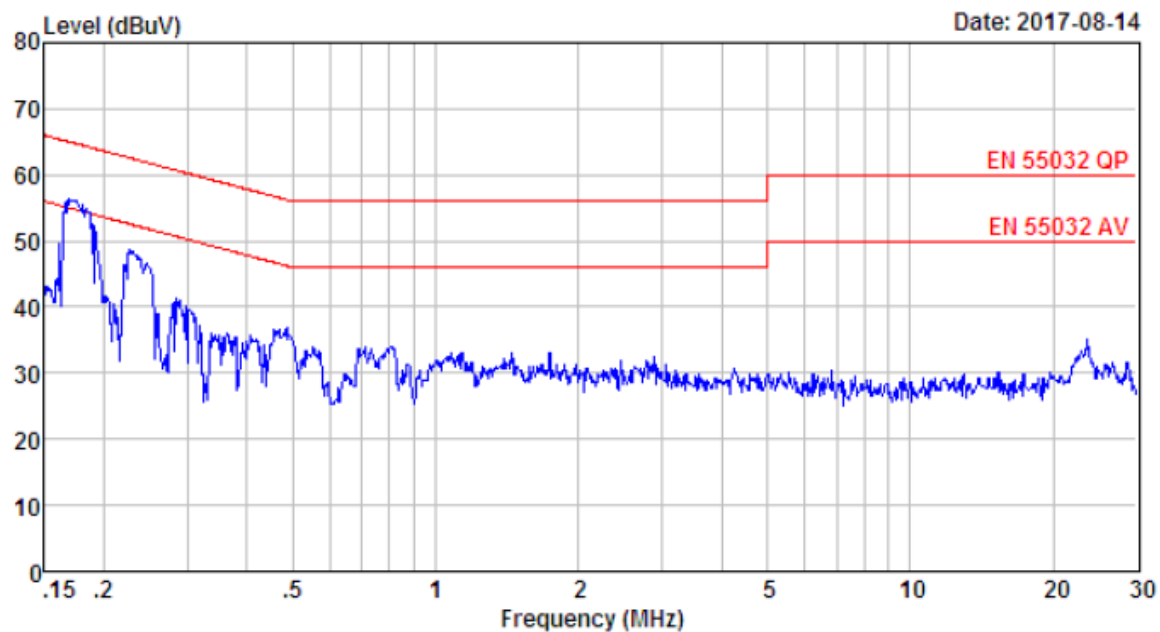
Site no : 844 Shield Room Data no. : 243  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y



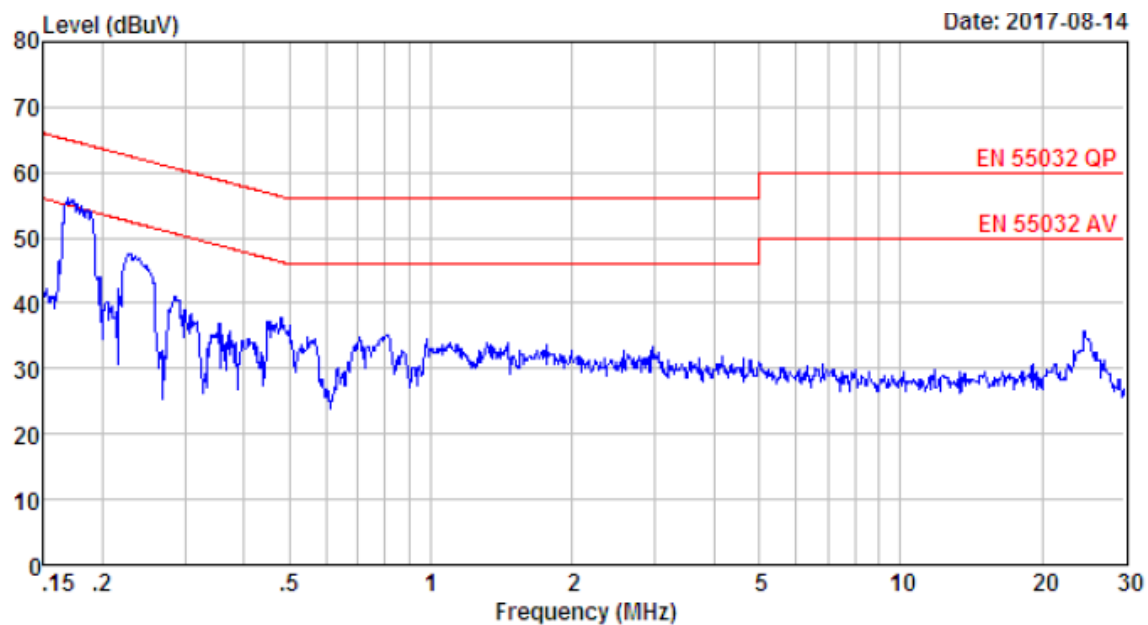
Site no : 844 Shield Room Data no. : 245  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y



Site no : 844 Shield Room Data no. : 247  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y

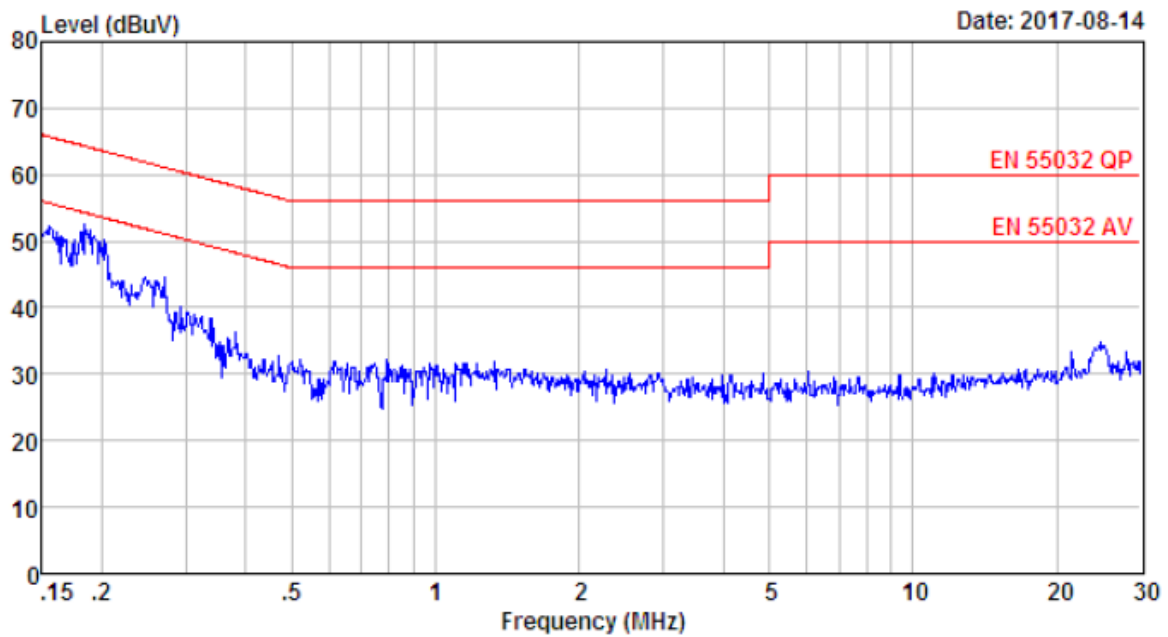


Site no : 844 Shield Room Data no. : 249  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
             Y+Y

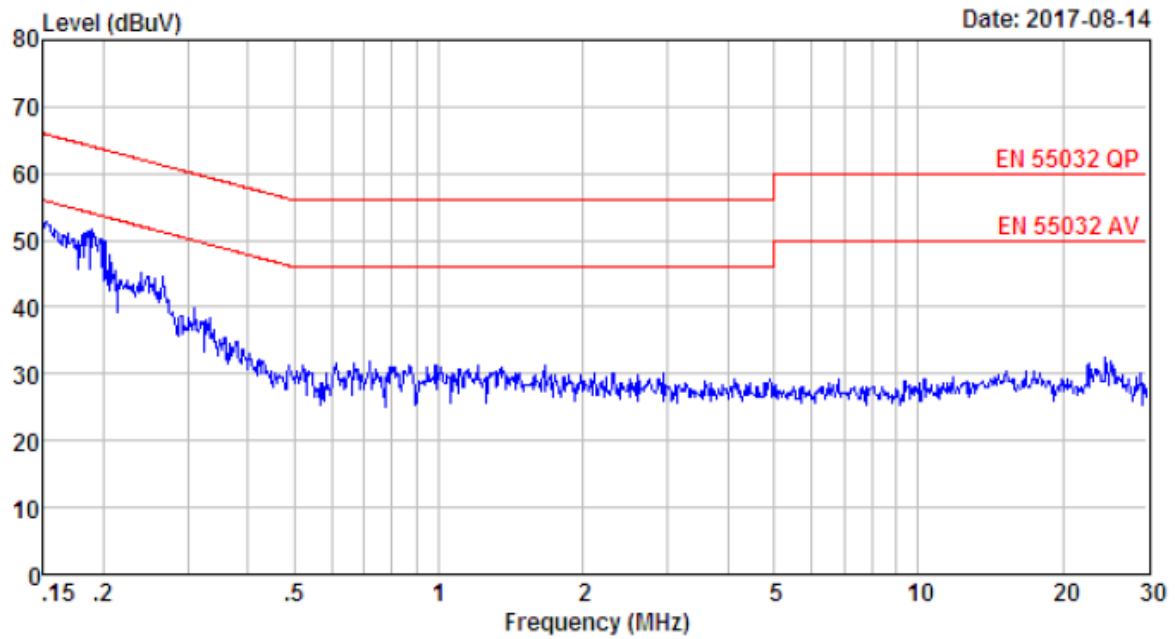


Site no : 844 Shield Room Data no. : 251  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y

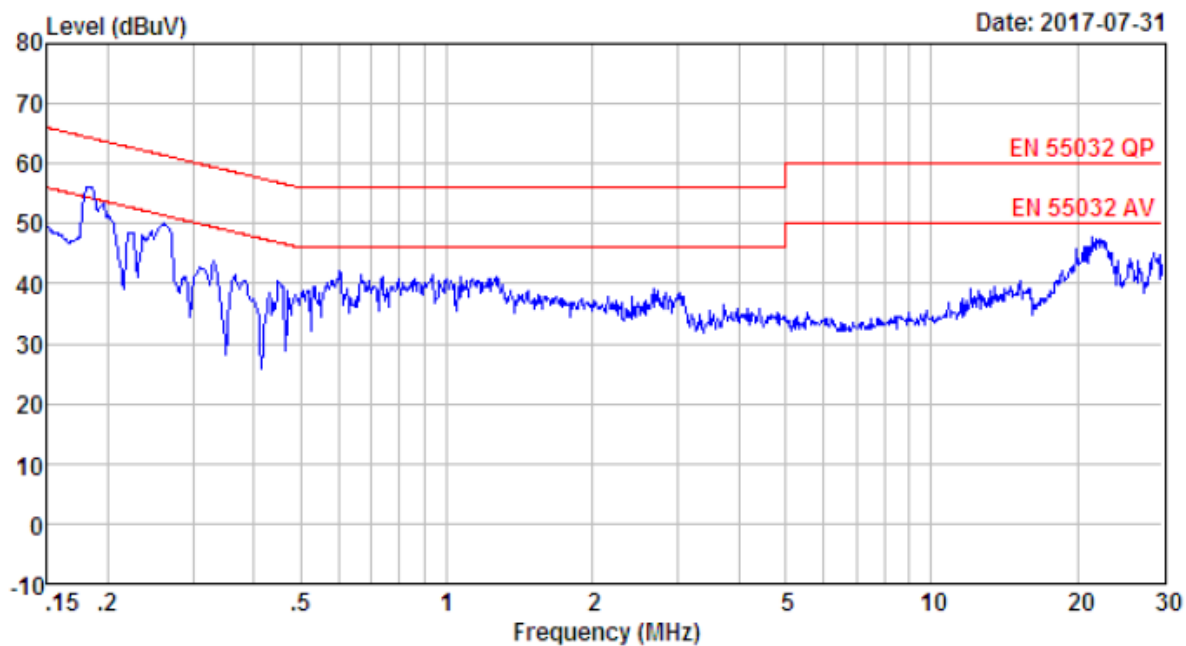




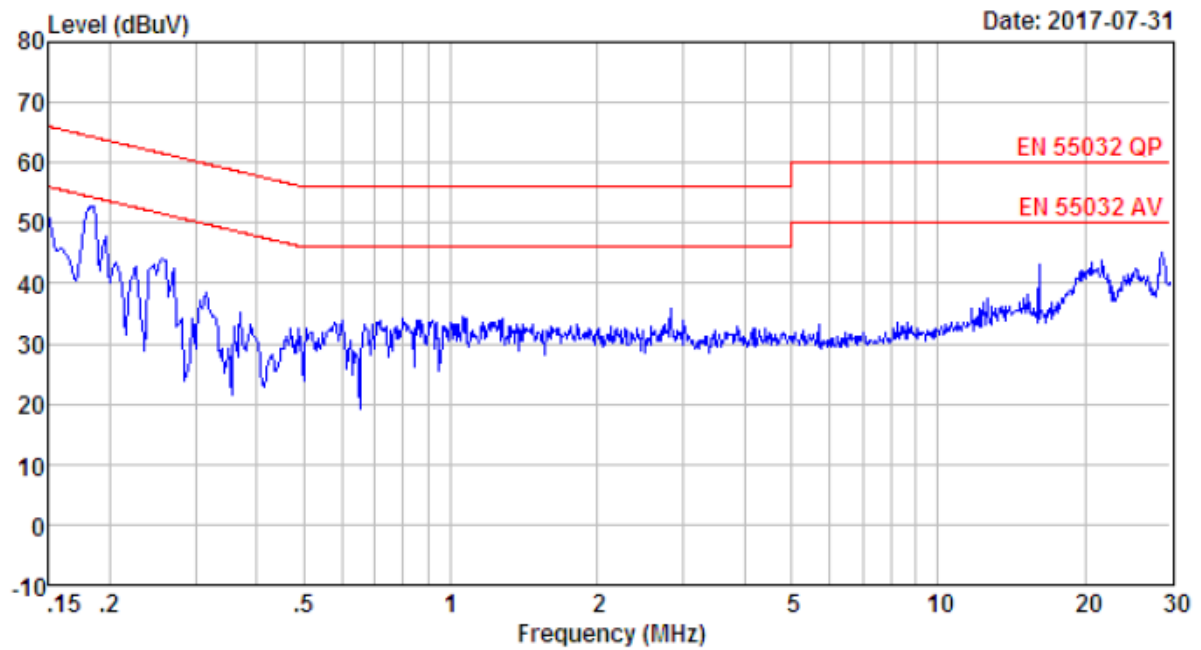
Site no : 844 Shield Room Data no. : 253  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y



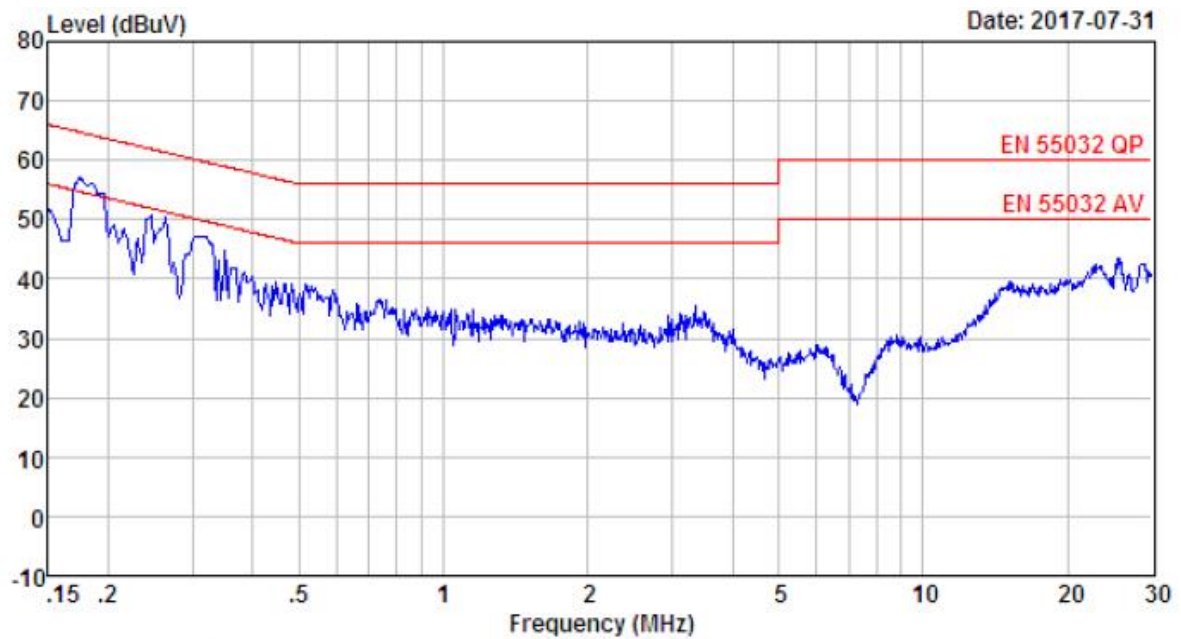
Site no : 844 Shield Room Data no. : 255  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y



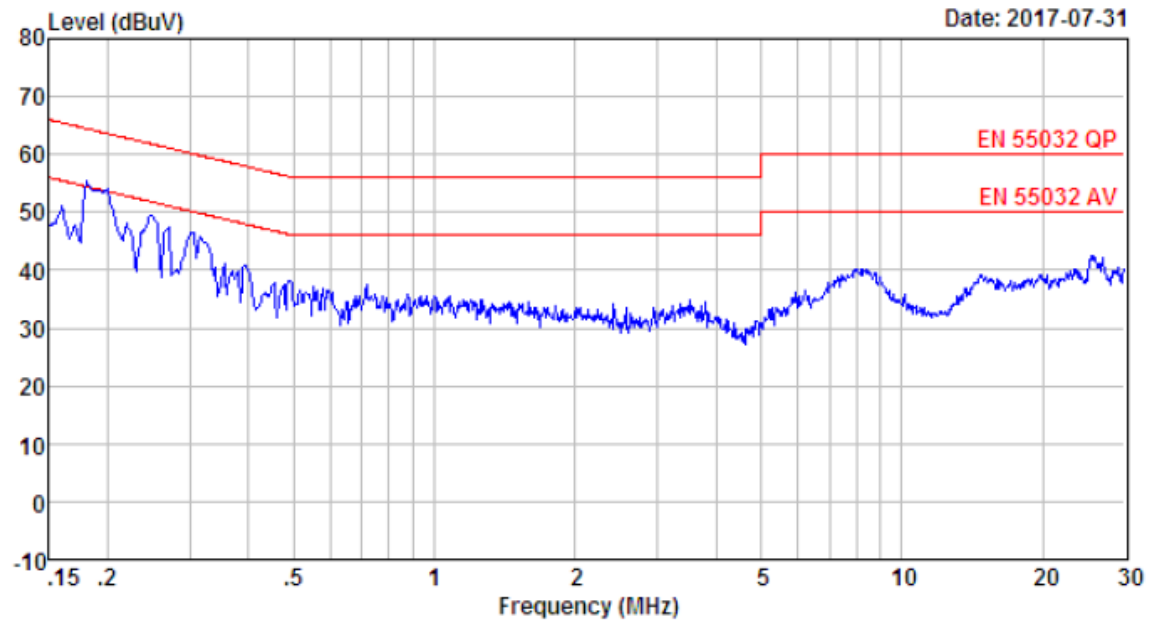
Site no : 2# Contuction Shield Room Data no. : 257  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y+Y



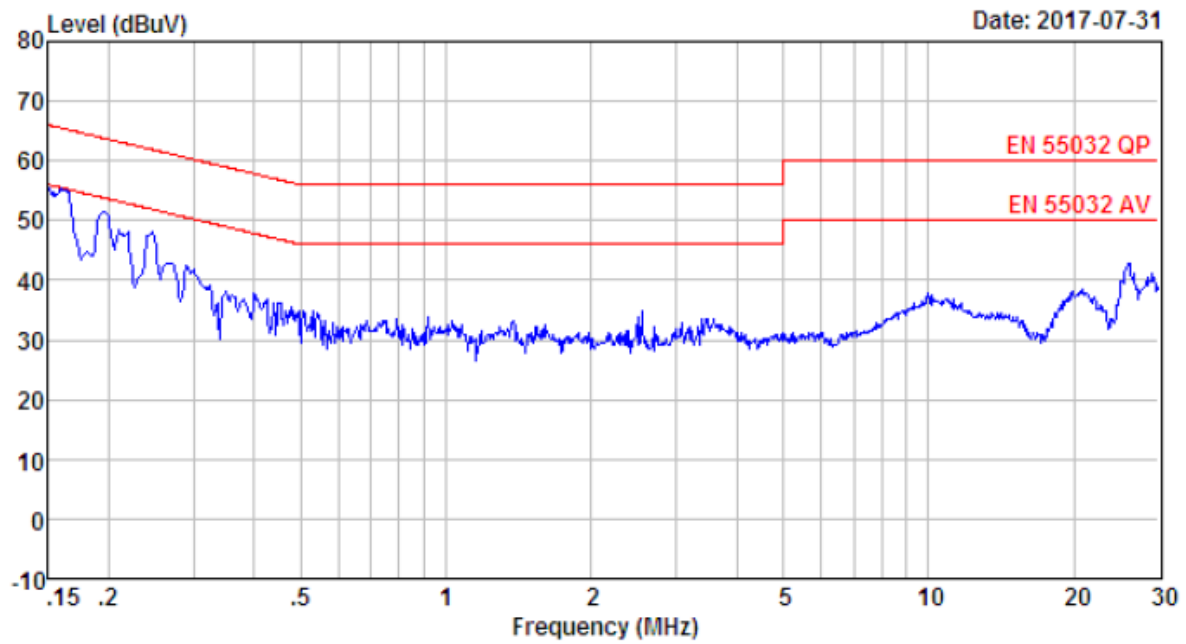
Site no : 2# Contuction Shield Room Data no. : 259  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load (Output:54V/1.2A)  
 Y+Y



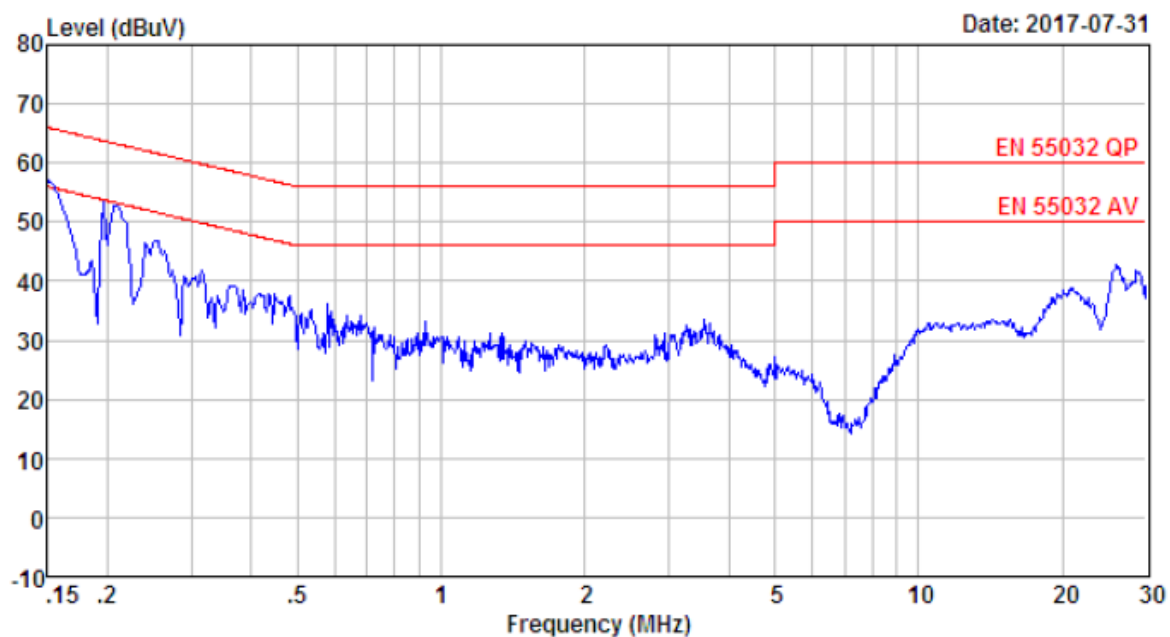
Site no : 2# Contuction Shield Room Data no. : 265  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 267  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y+Y

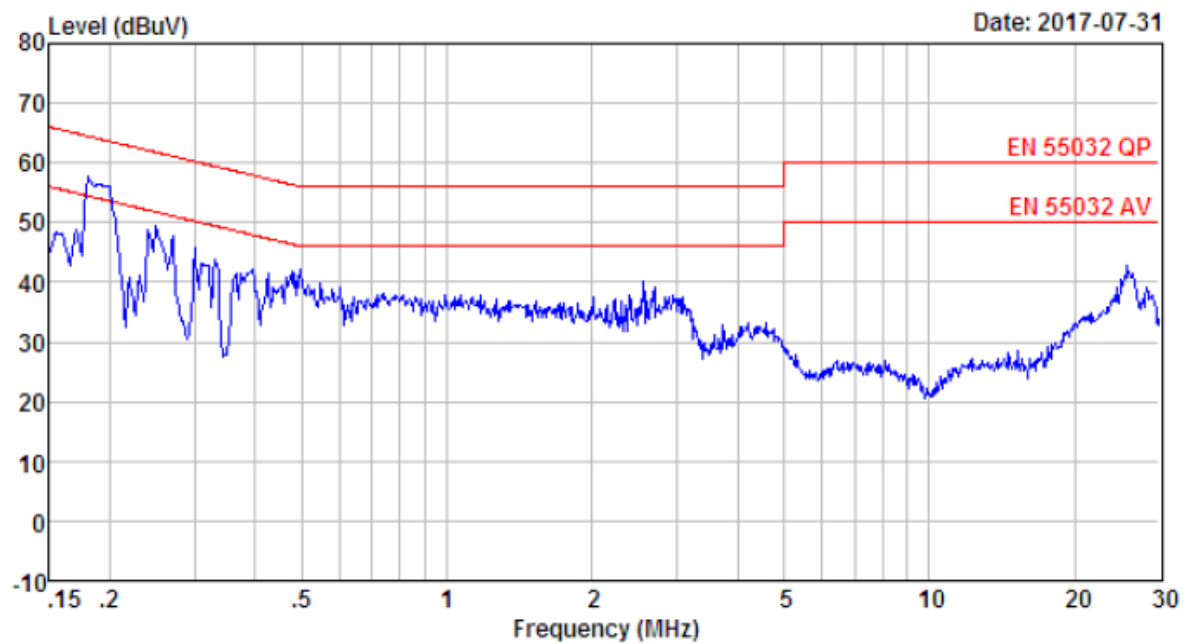


Site no : 2# Contuction Shield Room Data no. : 269  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load (Output:10.8V/6A)  
 Y+Y

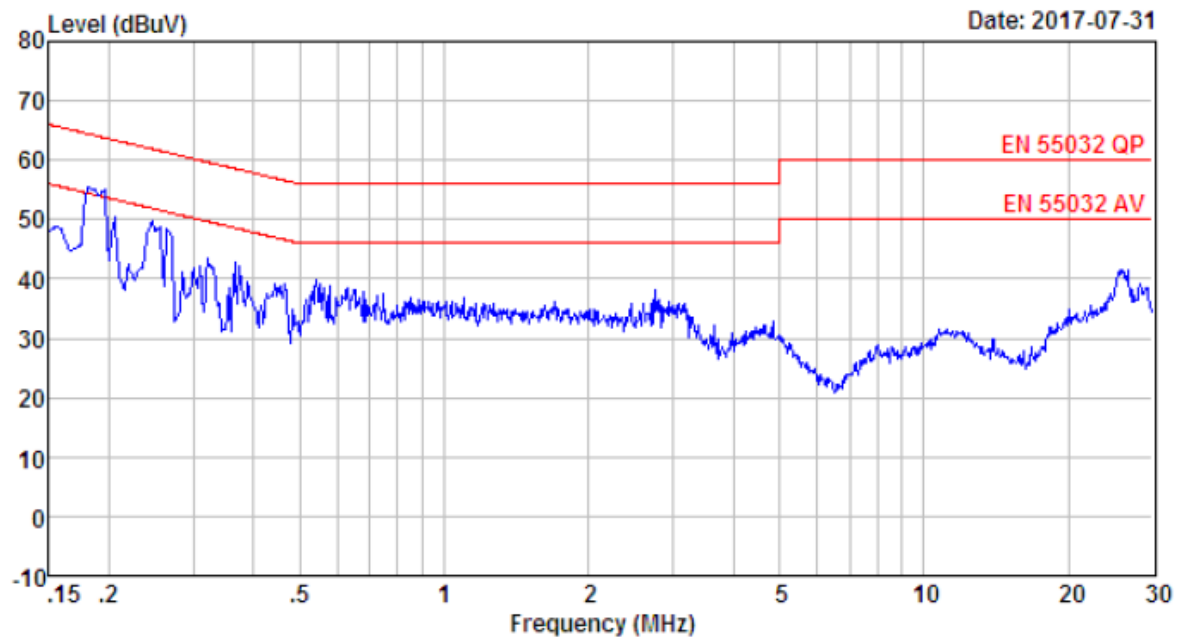


Site no : 2# Contuction Shield Room Data no. : 271  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y+Y

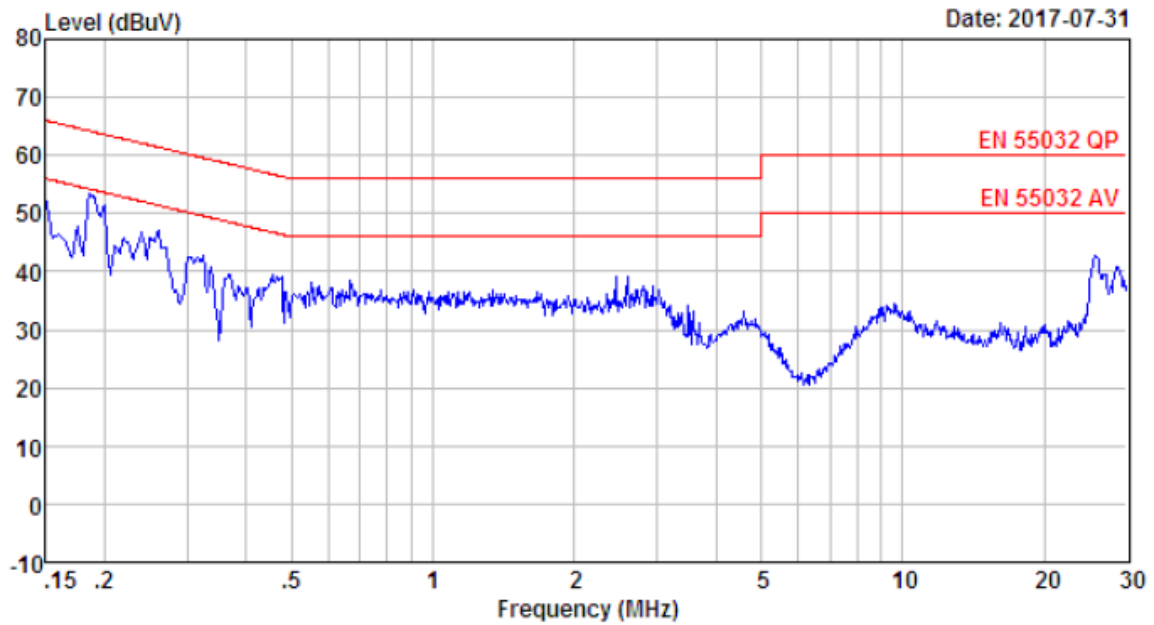




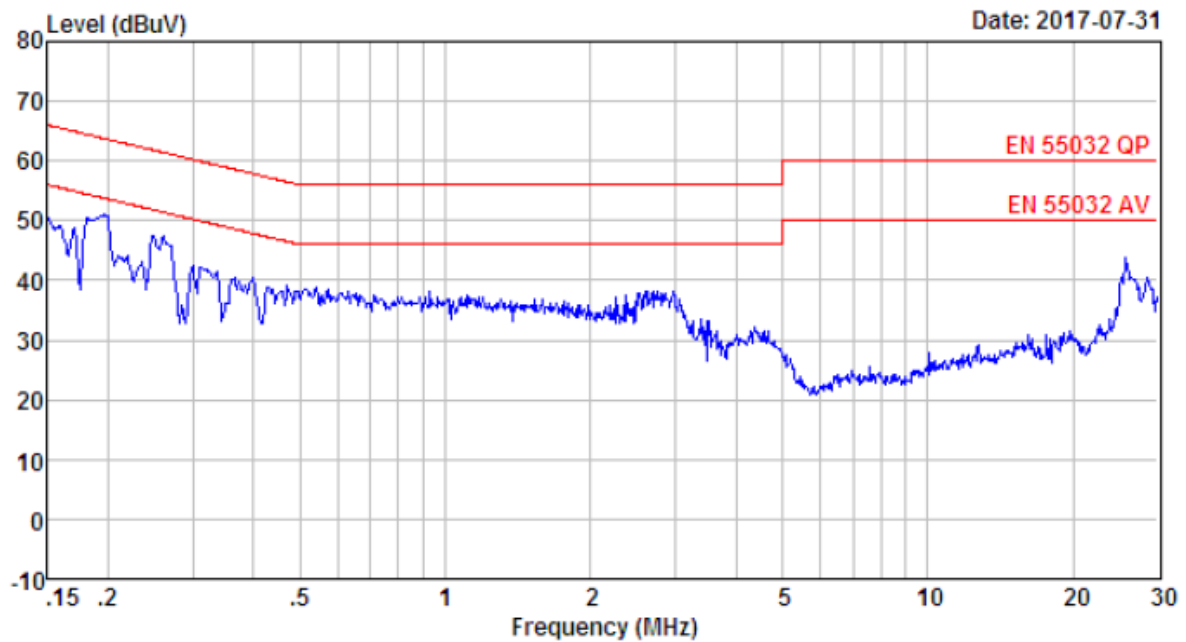
Site no : 2# Contuction Shield Room Data no. : 273  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y



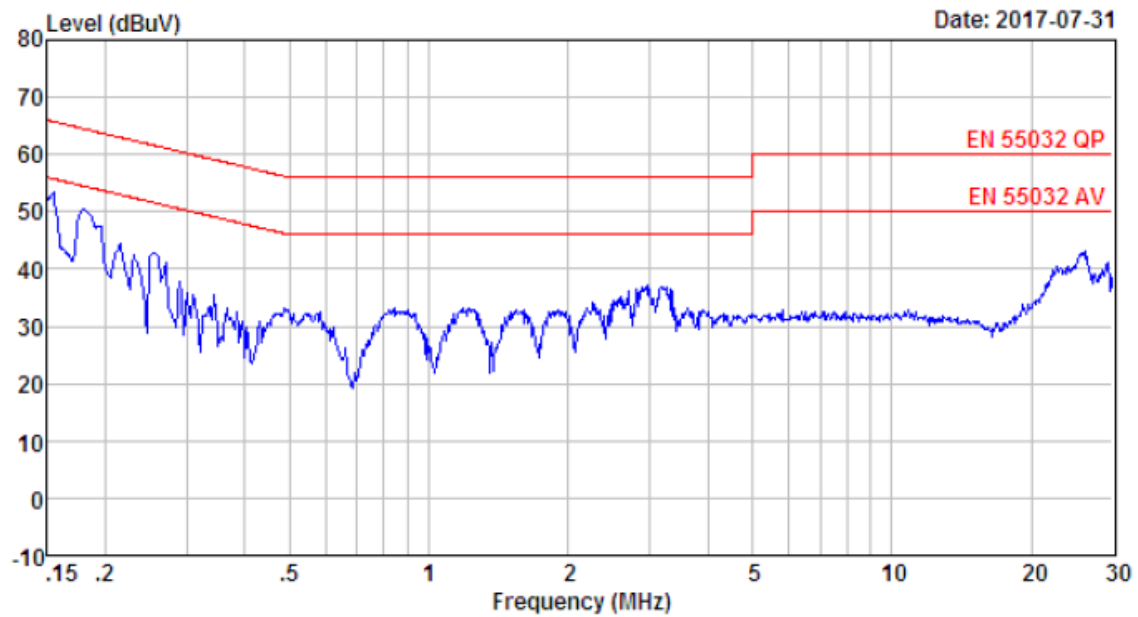
Site no : 2# Contuction Shield Room Data no. : 275  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y



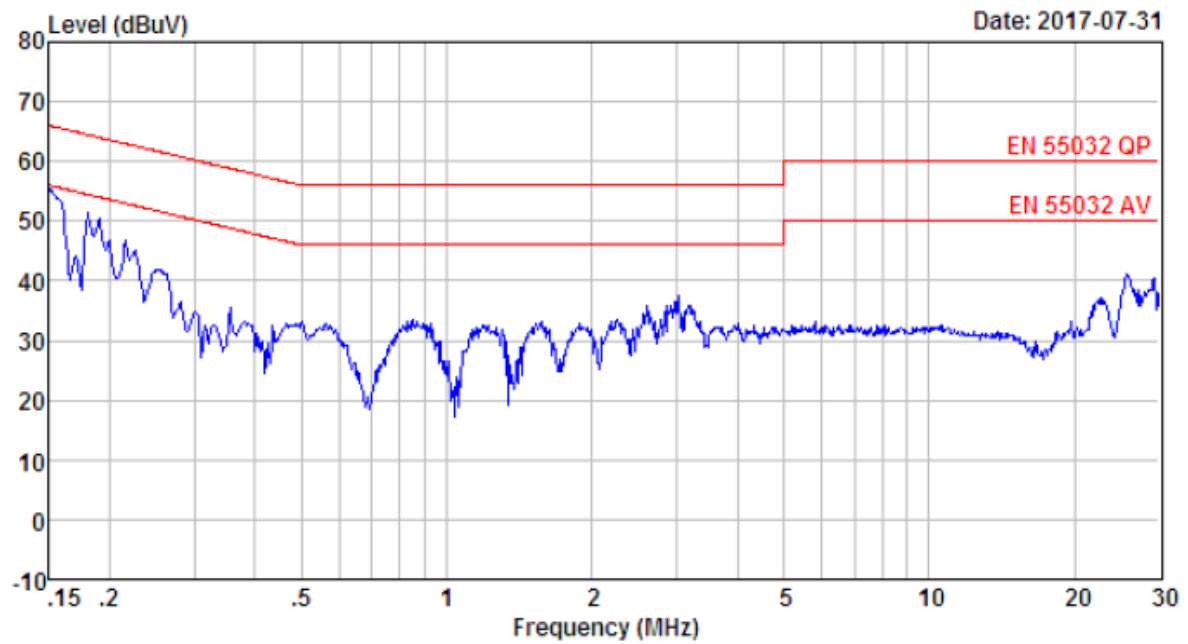
Site no : 2# Contuction Shield Room Data no. : 277  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y



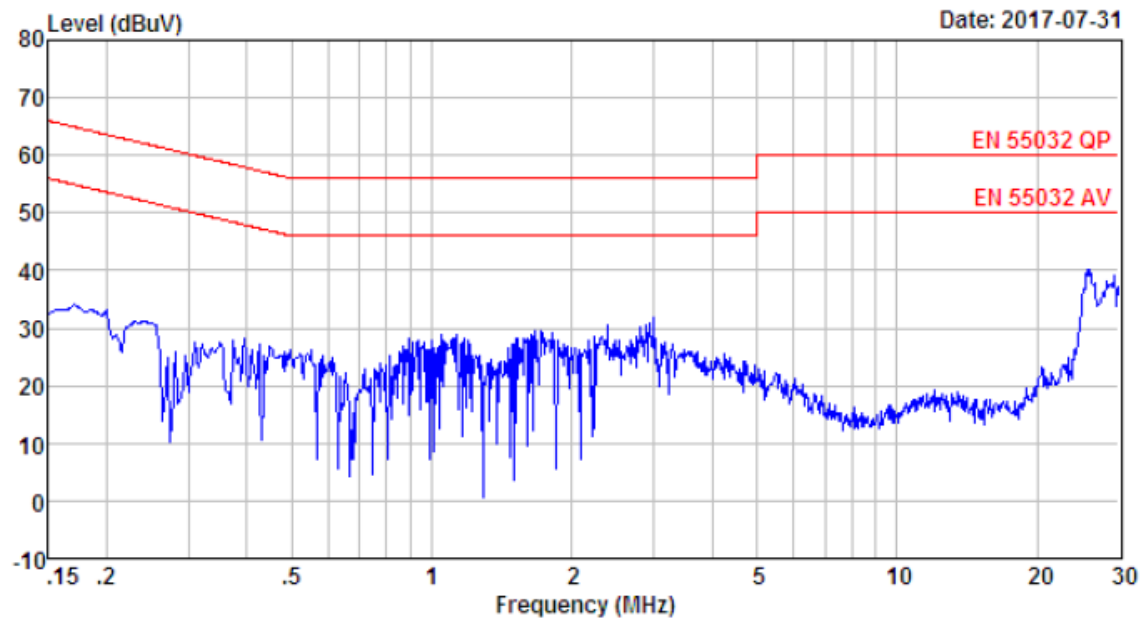
Site no : 2# Contuction Shield Room Data no. : 279  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y



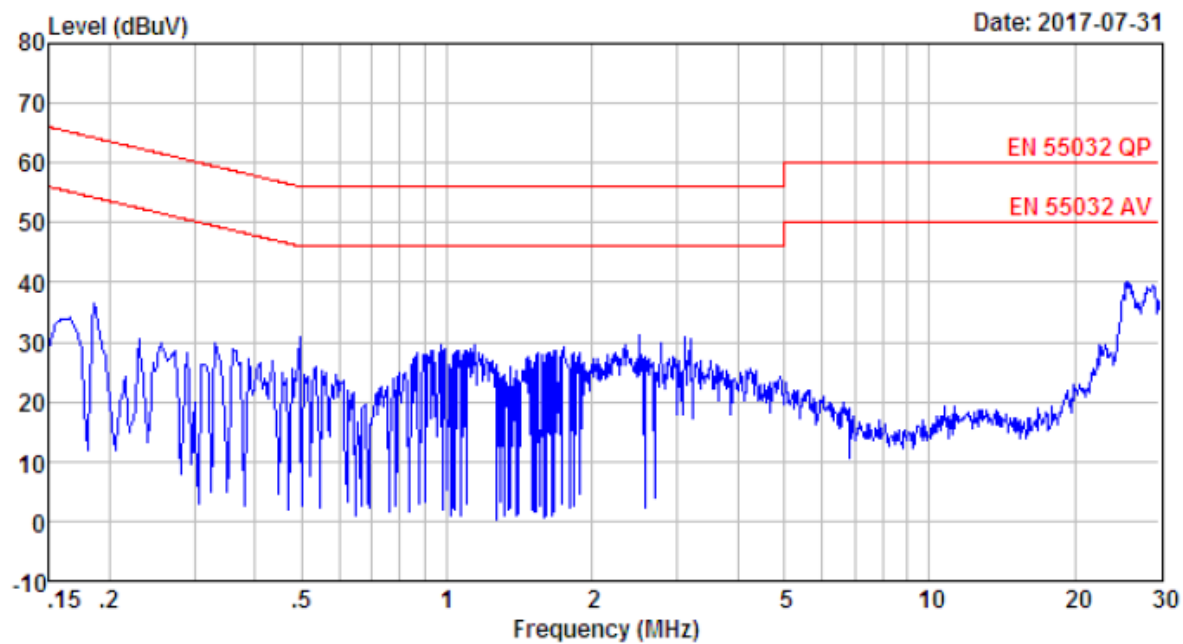
Site no : 2# Contuction Shield Room Data no. : 281  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Half Load(Output:54V/0.6A)  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 283  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Half Load(Output:54V/0.6A)  
 Y+Y

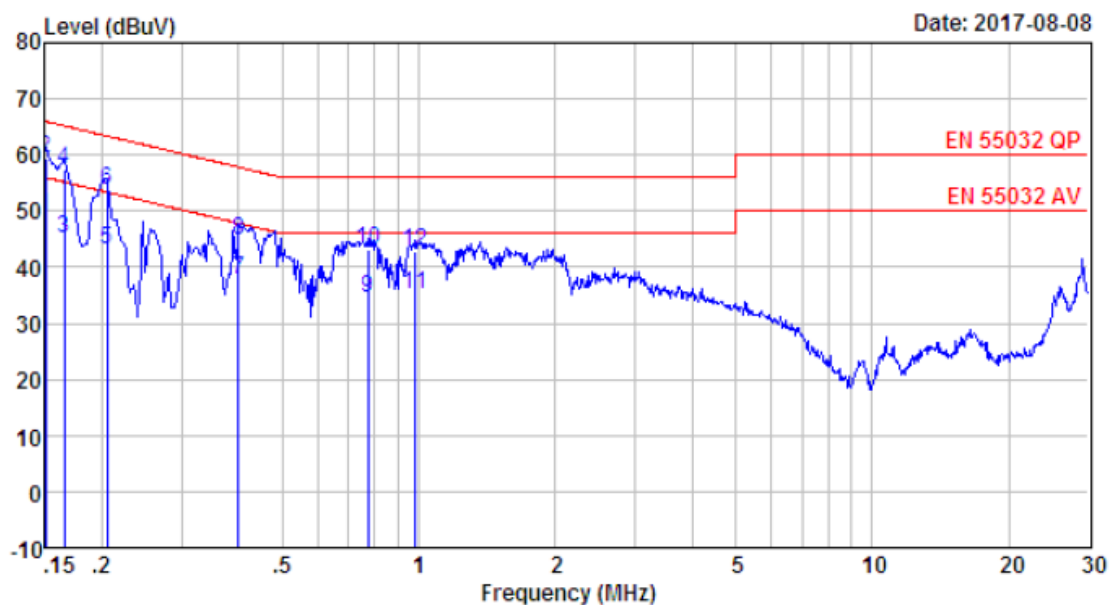


Site no : 2# Contuction Shield Room Data no. : 285  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : No Load  
 Y+Y



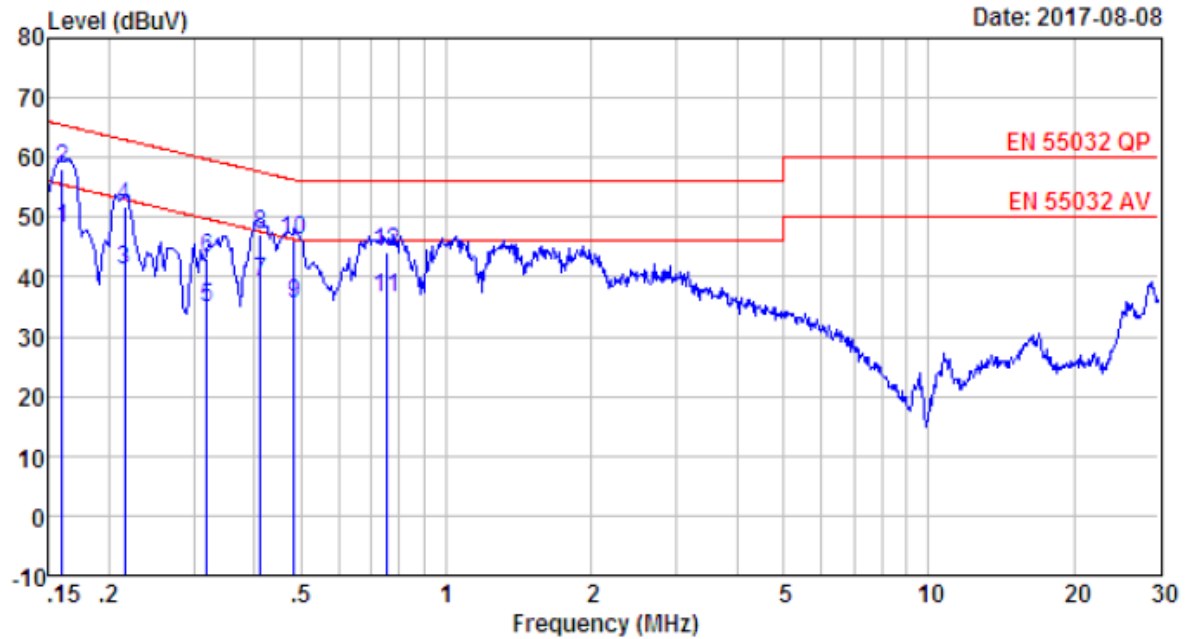
Site no : 2# Contuction Shield Room Data no. : 287  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200  
 Test Mode : No Load  
 Y+Y





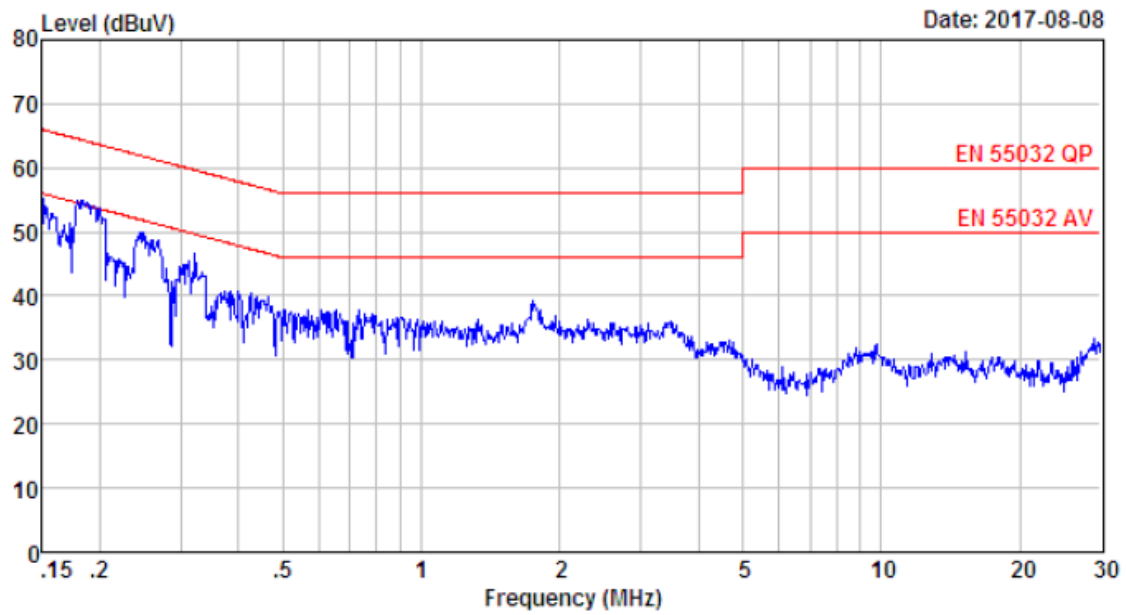
Site no : 2# Contuction Shield Room Data no. : 33  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load (Output:54V/1.2A)  
 Y+Y

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.15	9.61	9.81	29.58	49.00	56.00	7.00	Average
2	0.15	9.61	9.81	39.92	59.34	66.00	6.66	QP
3	0.17	9.61	9.81	25.58	45.00	55.21	10.21	Average
4	0.17	9.61	9.81	37.92	57.34	65.21	7.87	QP
5	0.21	9.61	9.80	23.81	43.22	53.40	10.18	Average
6	0.21	9.61	9.80	34.47	53.88	63.40	9.52	QP
7	0.40	9.61	9.82	18.34	37.77	47.86	10.09	Average
8	0.40	9.61	9.82	25.47	44.90	57.86	12.96	QP
9	0.77	9.60	9.81	15.03	34.44	46.00	11.56	Average
10	0.77	9.60	9.81	23.69	43.10	56.00	12.90	QP
11	0.98	9.64	9.83	15.75	35.22	46.00	10.78	Average
12	0.98	9.64	9.83	23.25	42.72	56.00	13.28	QP

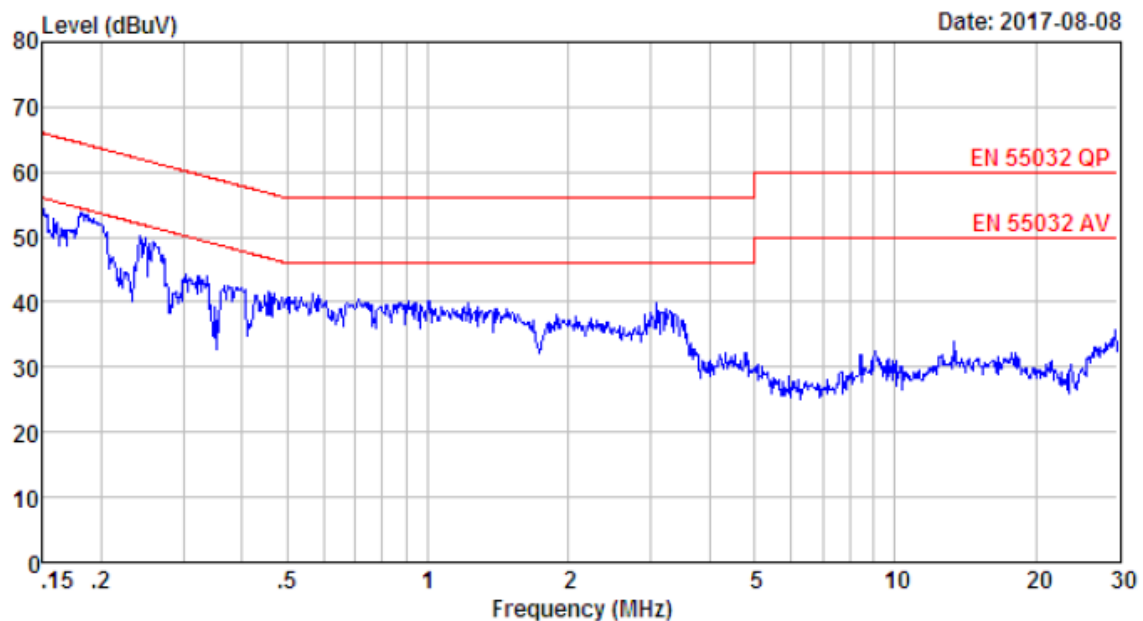


Site no : 2# Conduction Shield Room Data no. : 35  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y+Y

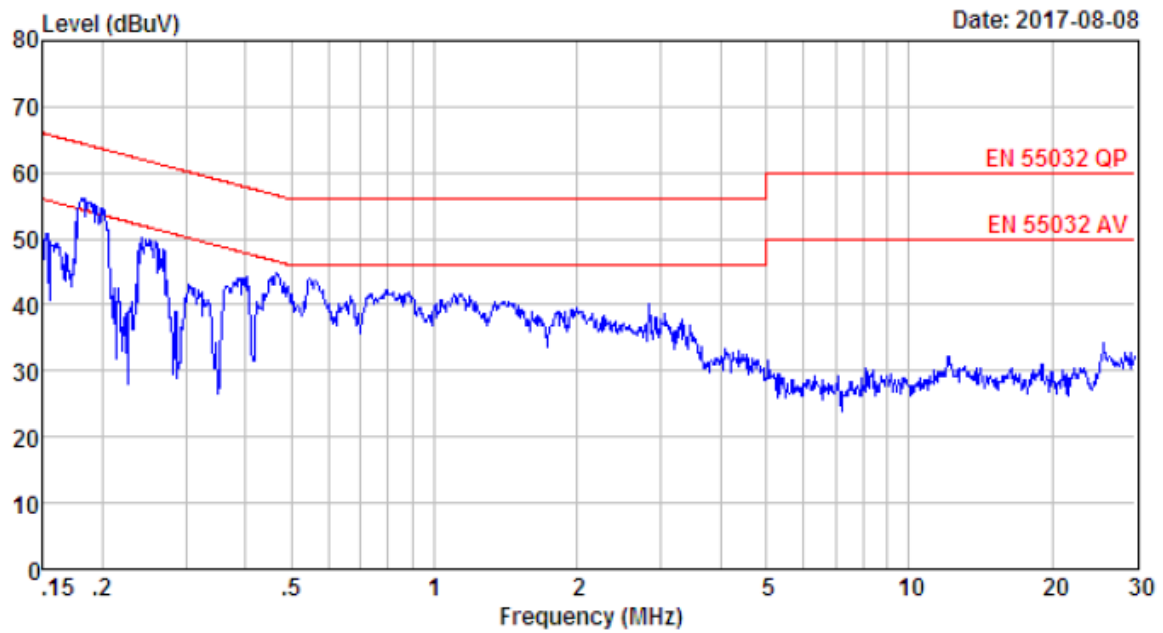
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16	9.49	9.81	28.70	48.00	55.47	7.47	Average
2	0.16	9.49	9.81	38.70	58.00	65.47	7.47	QP
3	0.22	9.60	9.80	21.60	41.00	53.01	12.01	Average
4	0.22	9.60	9.80	32.52	51.92	63.01	11.09	QP
5	0.32	9.59	9.83	15.58	35.00	49.75	14.75	Average
6	0.32	9.59	9.83	23.58	43.00	59.75	16.75	QP
7	0.41	9.59	9.82	19.59	39.00	47.59	8.59	Average
8	0.41	9.59	9.82	27.70	47.11	57.59	10.48	QP
9	0.48	9.59	9.81	16.05	35.45	46.27	10.82	Average
10	0.48	9.59	9.81	26.64	46.04	56.27	10.23	QP
11	0.75	9.63	9.81	17.16	36.60	46.00	9.40	Average
12	0.75	9.63	9.81	24.67	44.11	56.00	11.89	QP



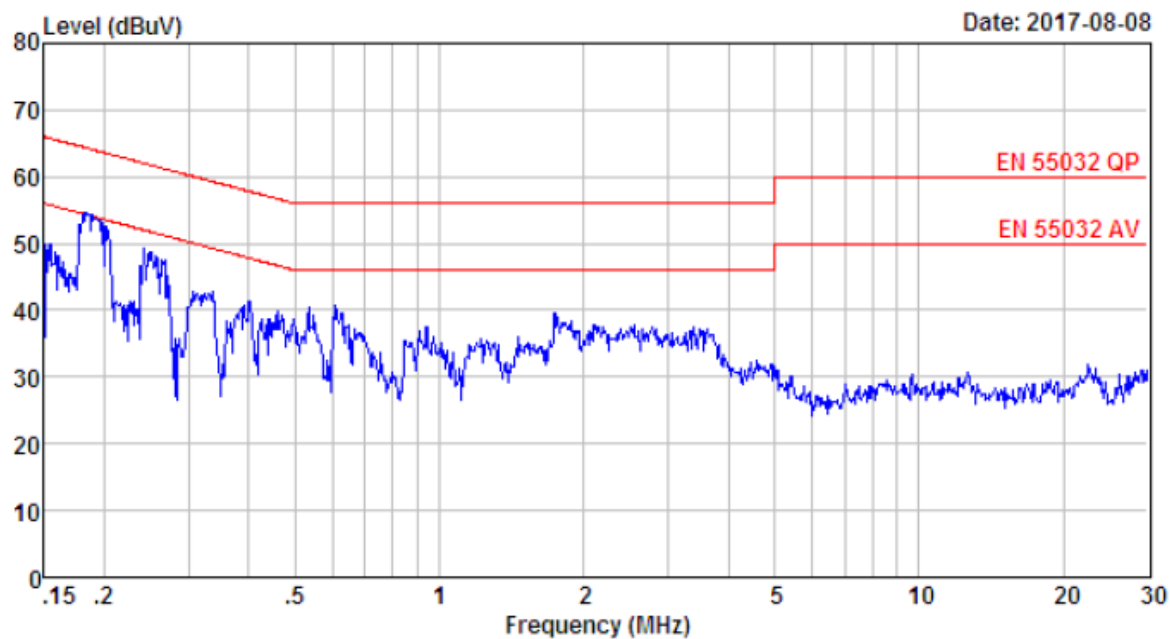
Site no : 844 Shield Room Data no. : 1  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y



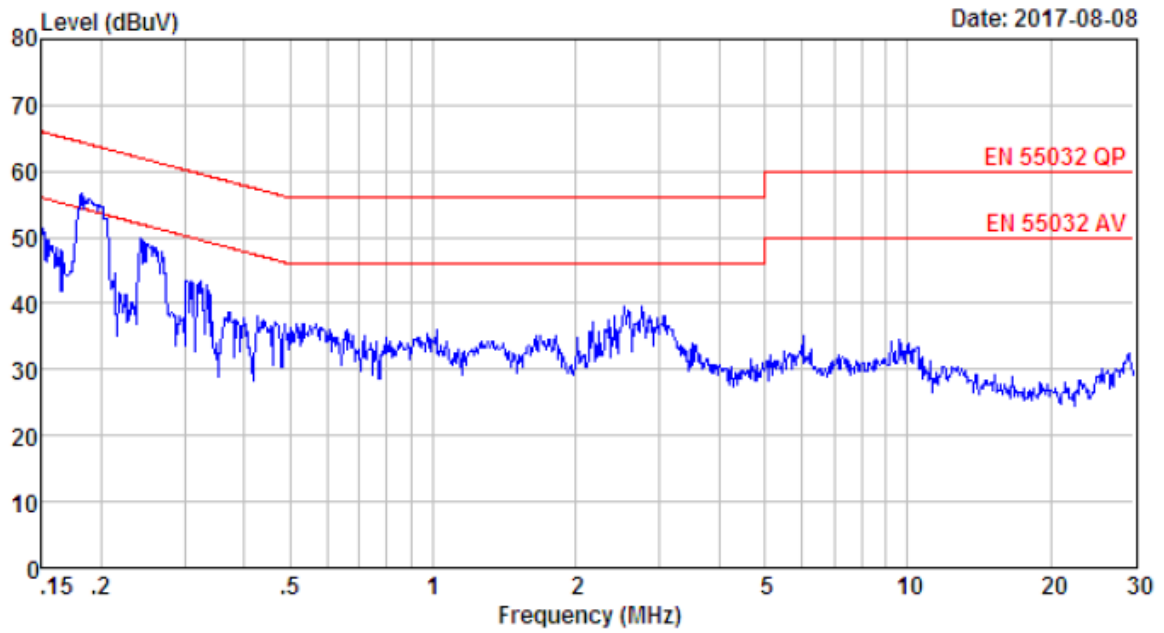
Site no : 844 Shield Room Data no. : 3  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y



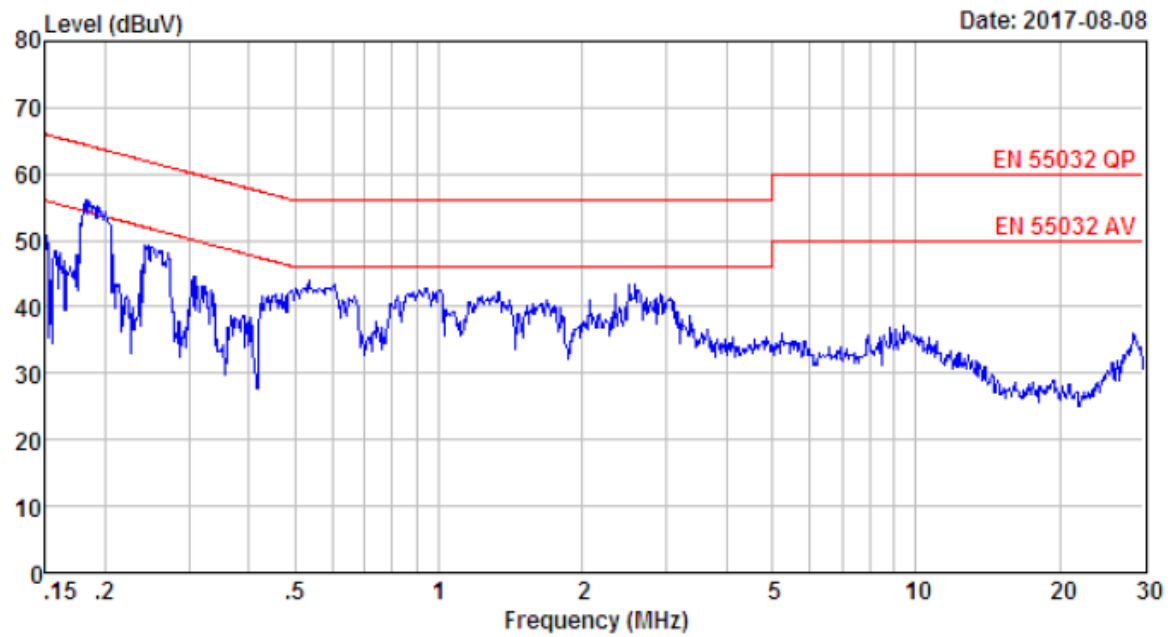
Site no : 844 Shield Room Data no. : 5  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y



Site no : 844 Shield Room Data no. : 7  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load (Output:9V/6A)  
 Y

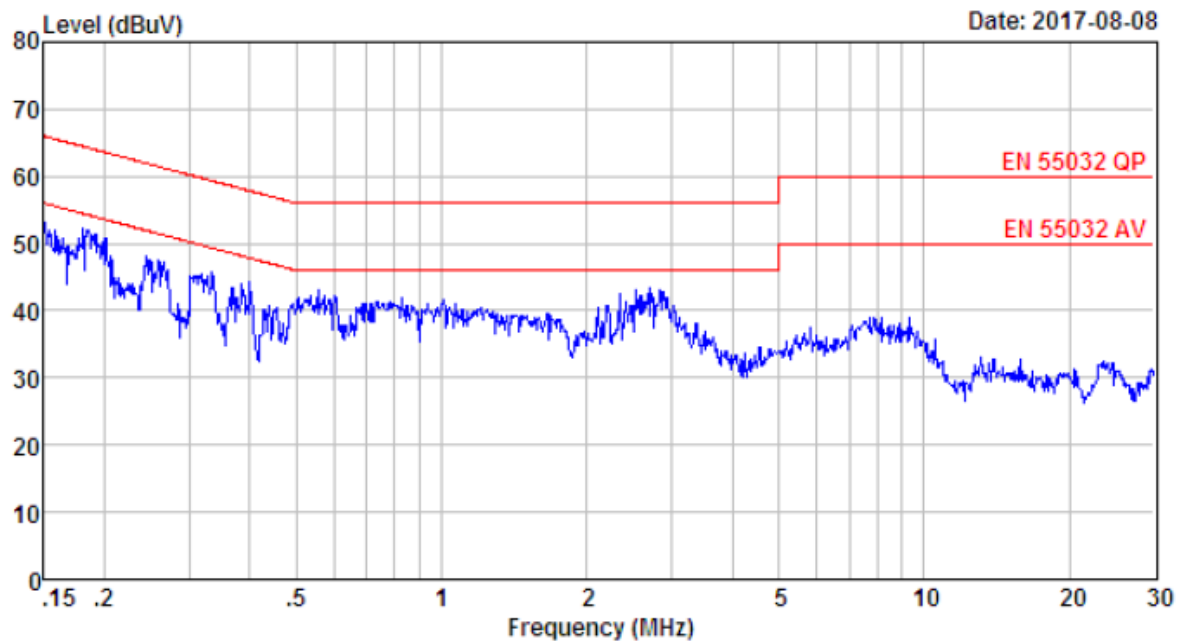


Site no : 844 Shield Room Data no. : 9  
Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
Limit : EN 55032 QP  
Engineer : Sid  
EUT : Switching Adaptor  
Power : AC 230V/50Hz  
M/N : FJ-SW20171086000D  
Test Mode : Full Load(Output:10.8V/6A)  
Y

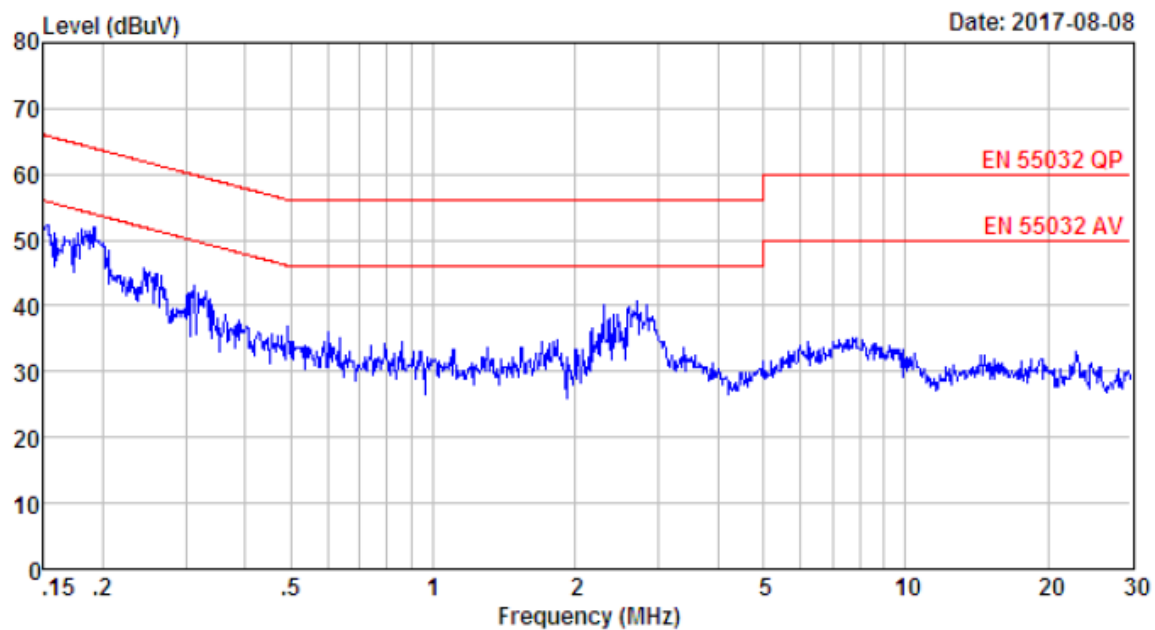


Site no : 844 Shield Room Data no. : 11  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y

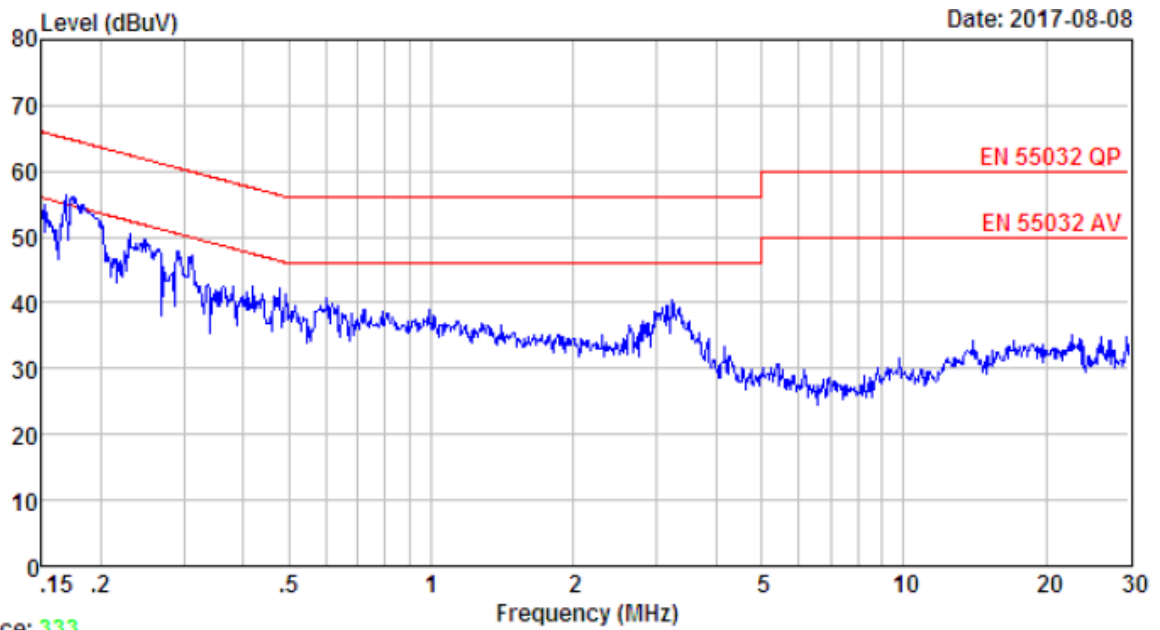




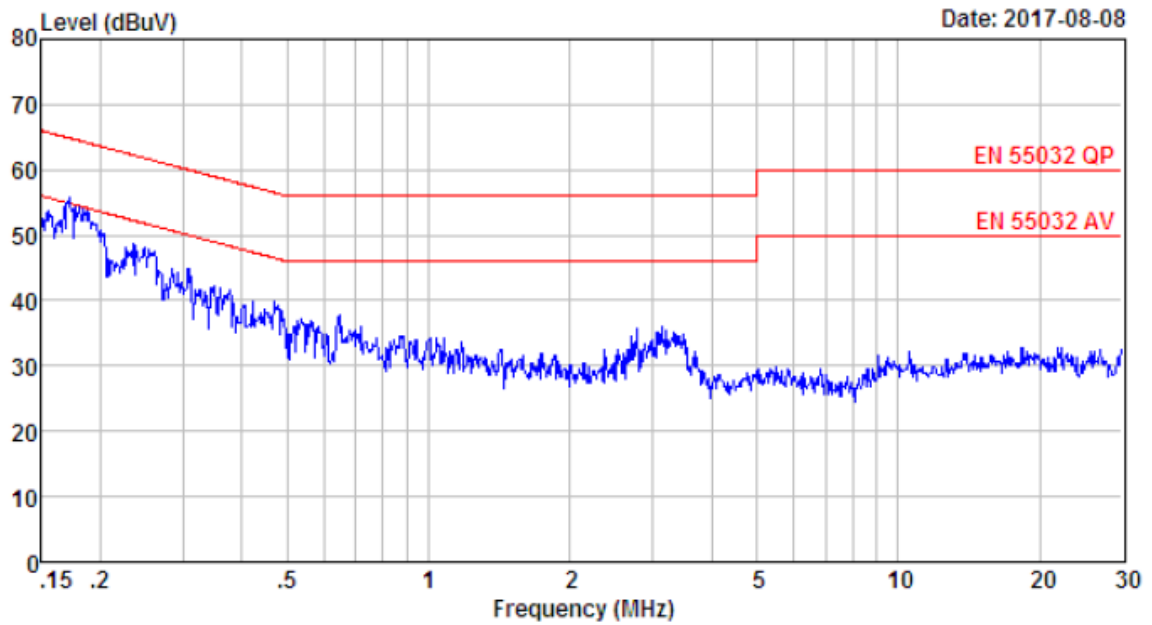
Site no : 844 Shield Room Data no. : 13  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y



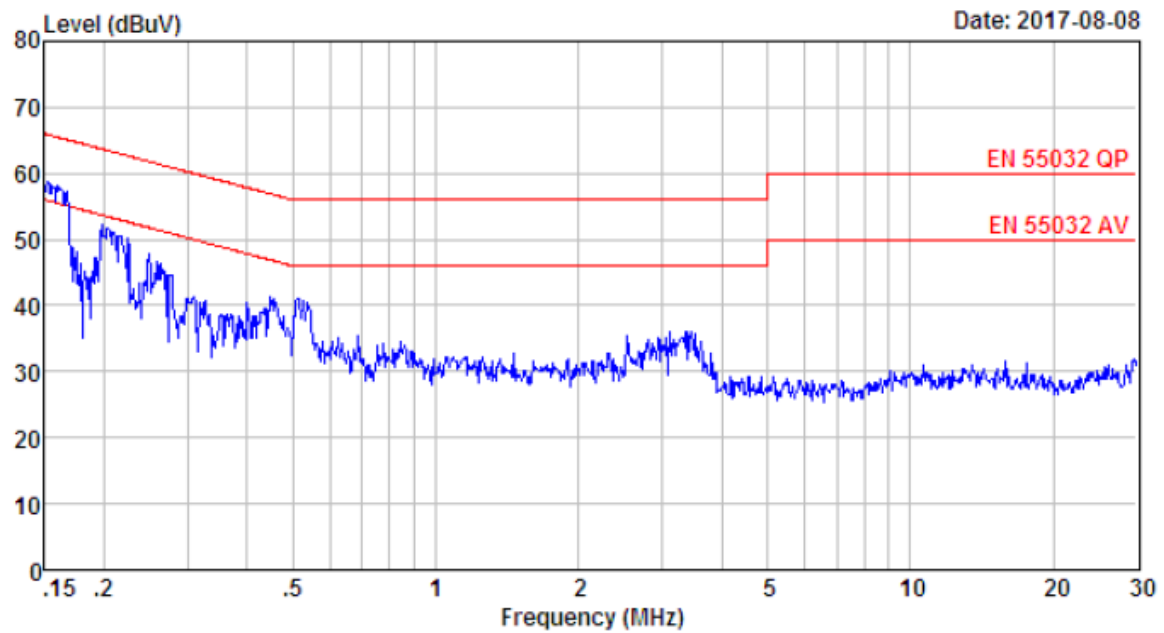
Site no : 844 Shield Room Data no. : 15  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y



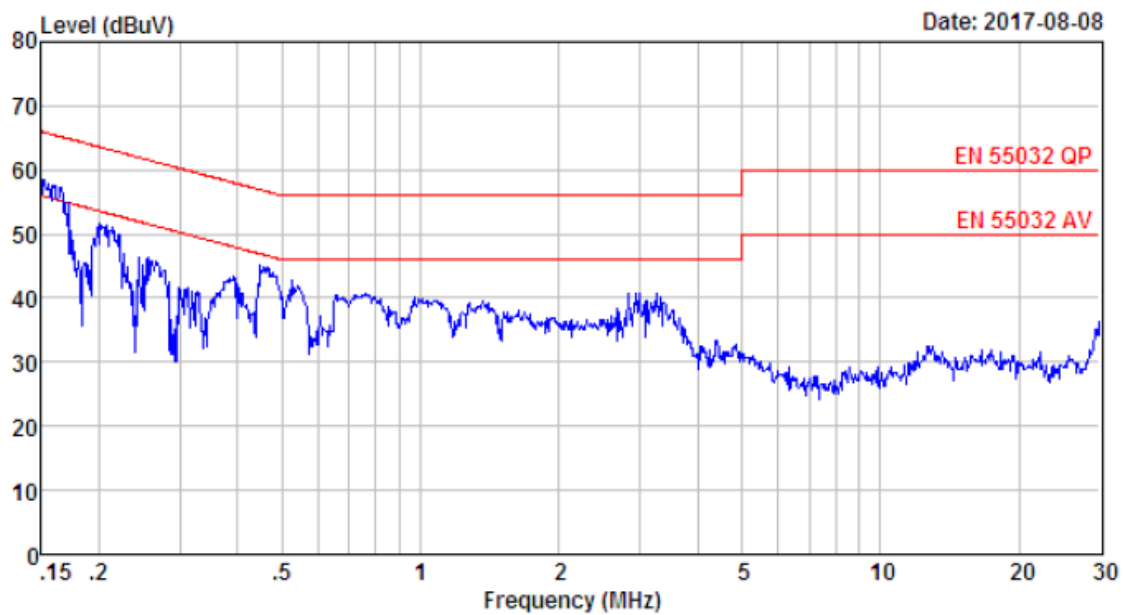
Site no : 844 Shield Room Data no. : 17  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y



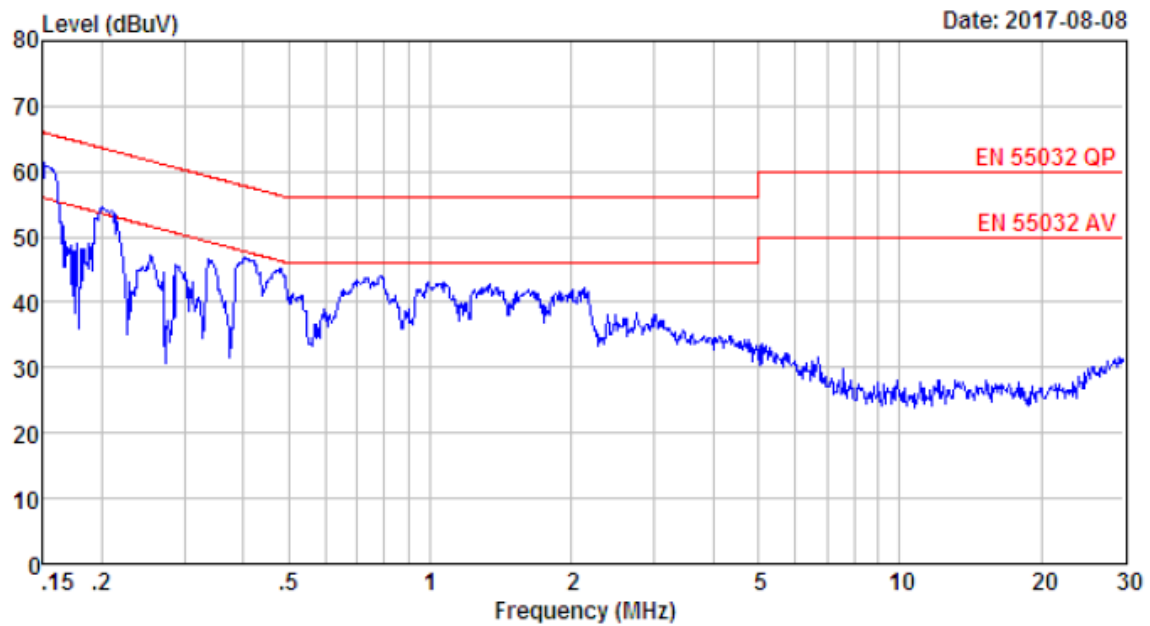
Site no : 844 Shield Room Data no. : 19  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y



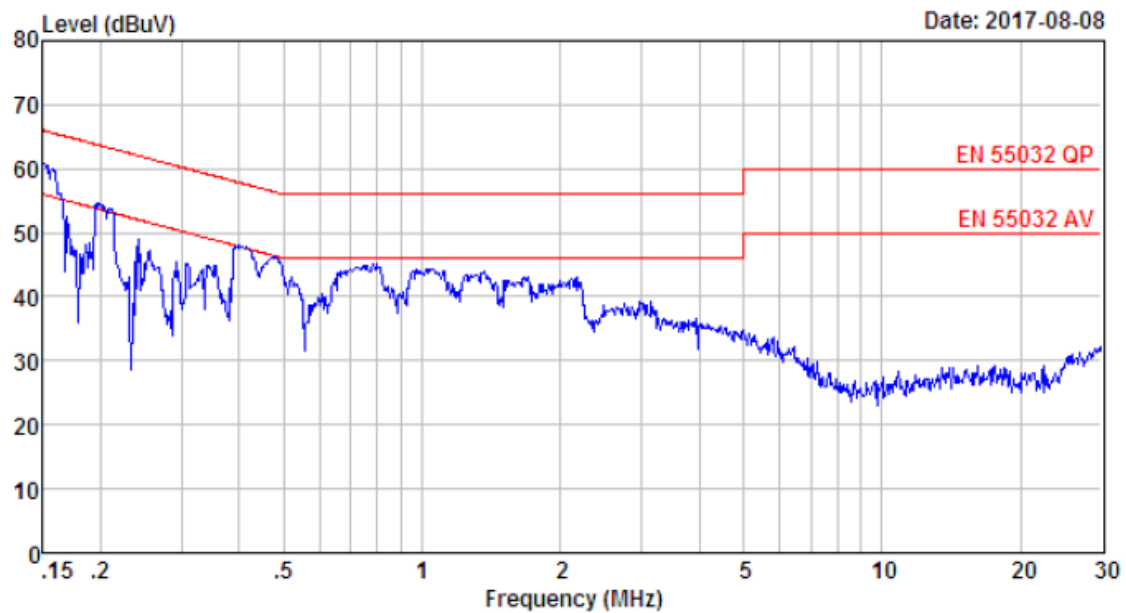
Site no : 844 Shield Room Data no. : 21  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y



Site no : 844 Shield Room Data no. : 23  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y

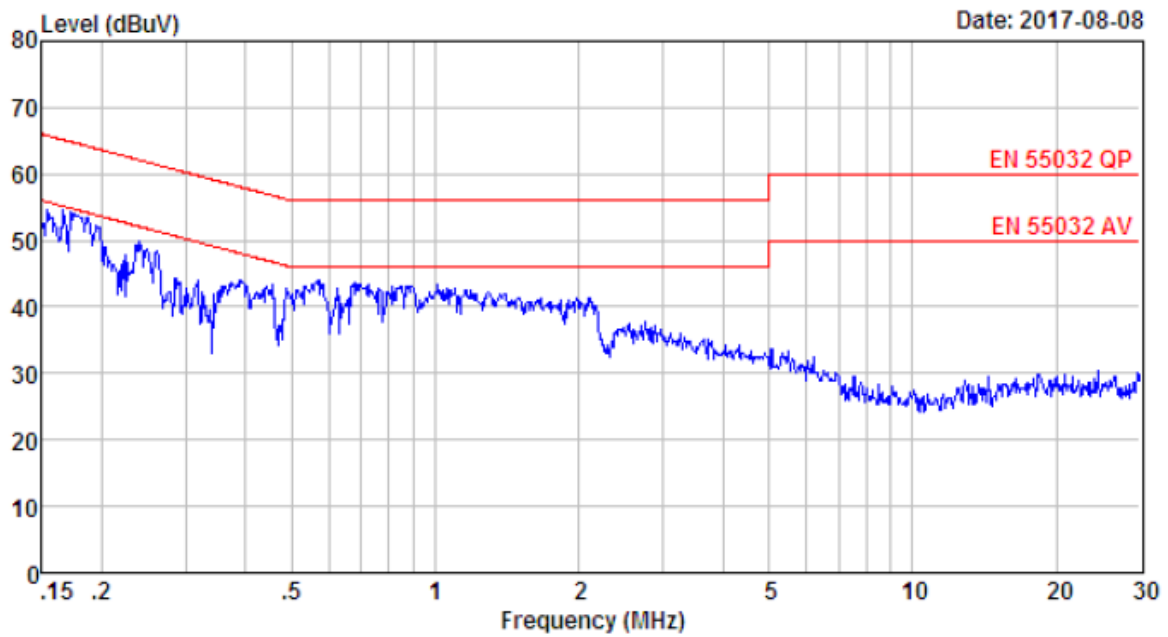


Site no : 844 Shield Room Data no. : 25  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y

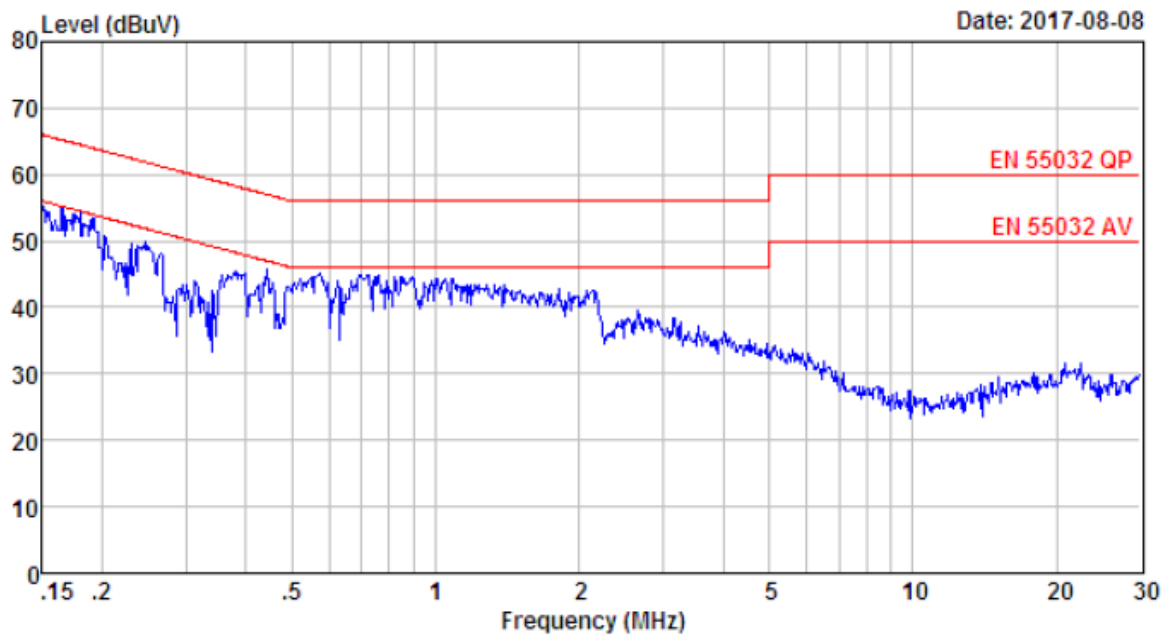


Site no : 844 Shield Room Data no. : 27  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y

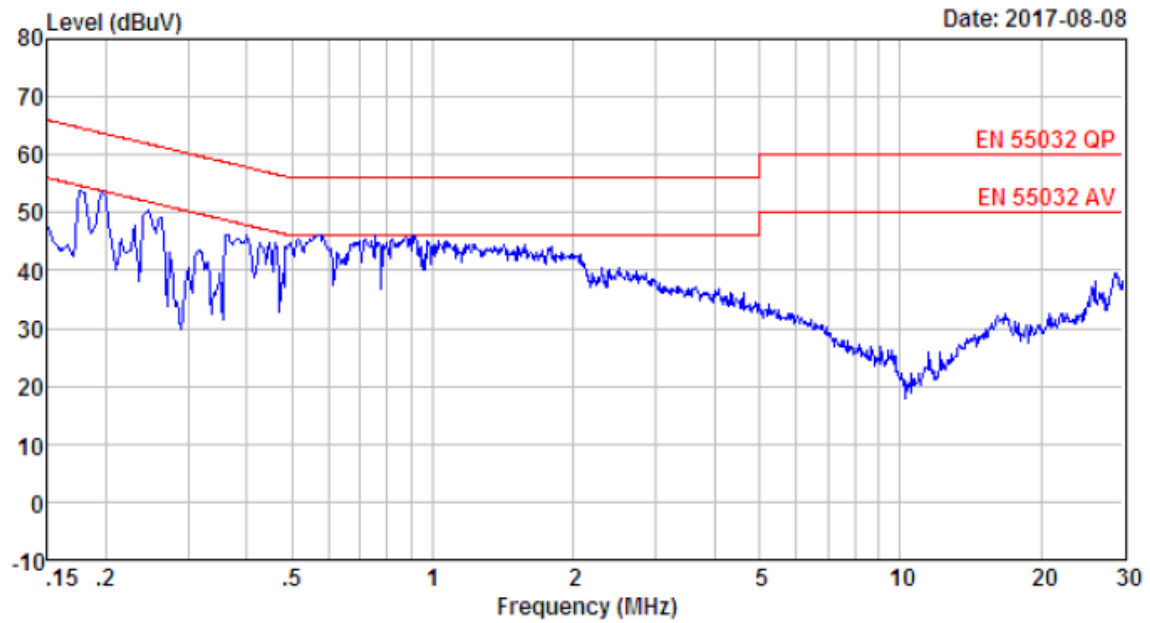




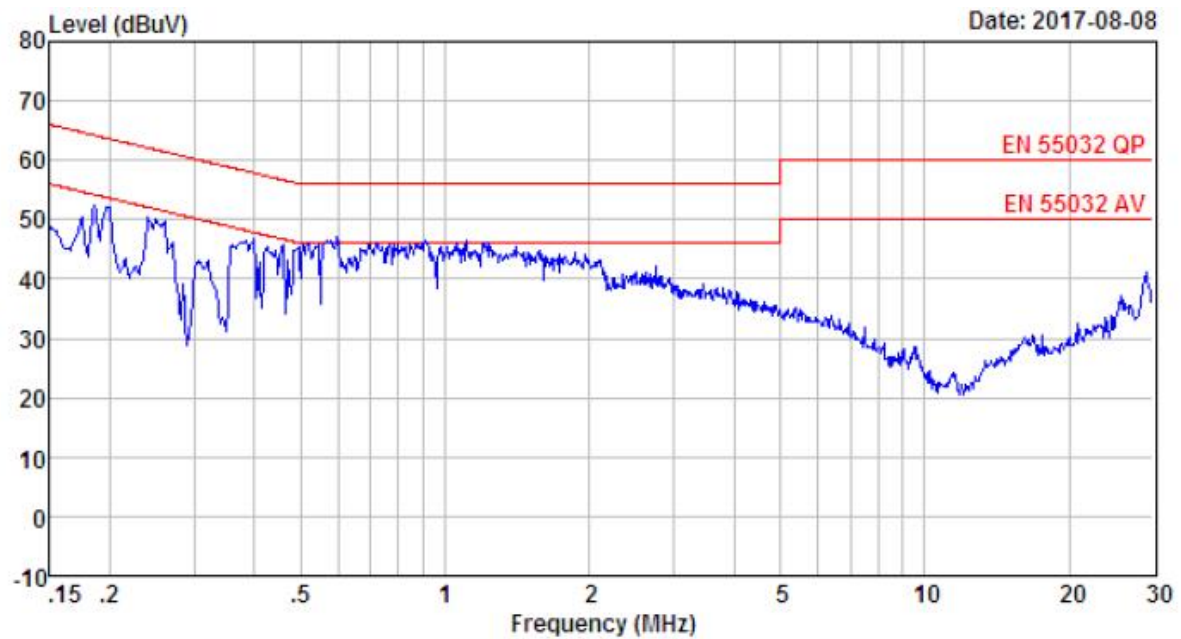
Site no : 844 Shield Room Data no. : 29  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y



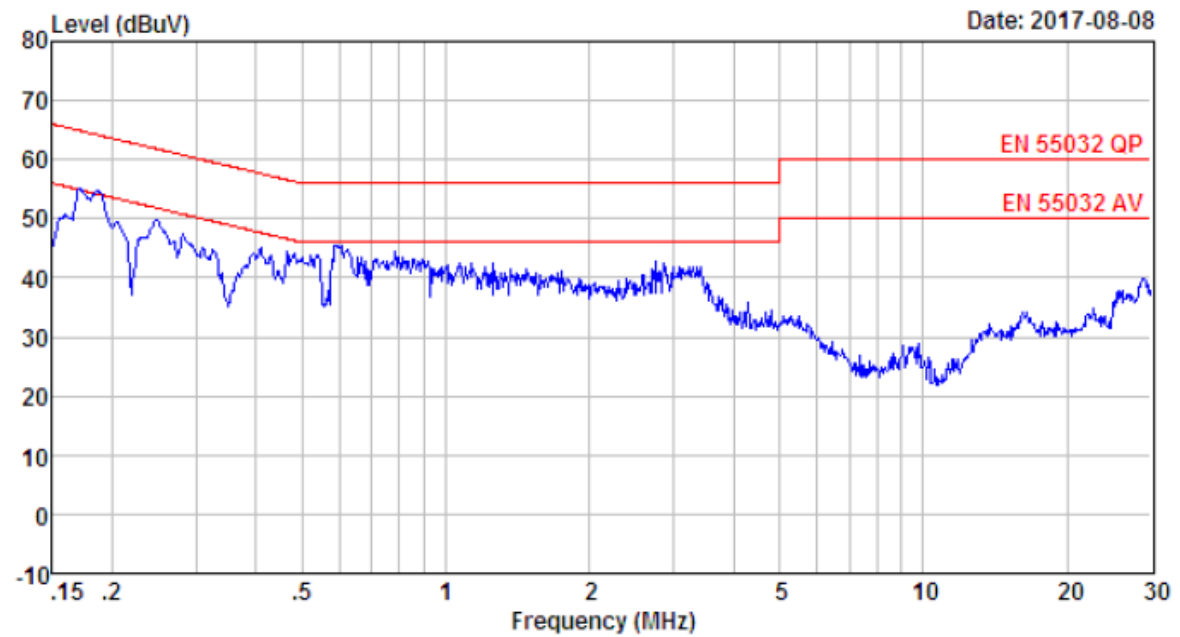
Site no : 844 Shield Room Data no. : 31  
 Env. / Ins. : Temp:24.5'C Humi:48% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y



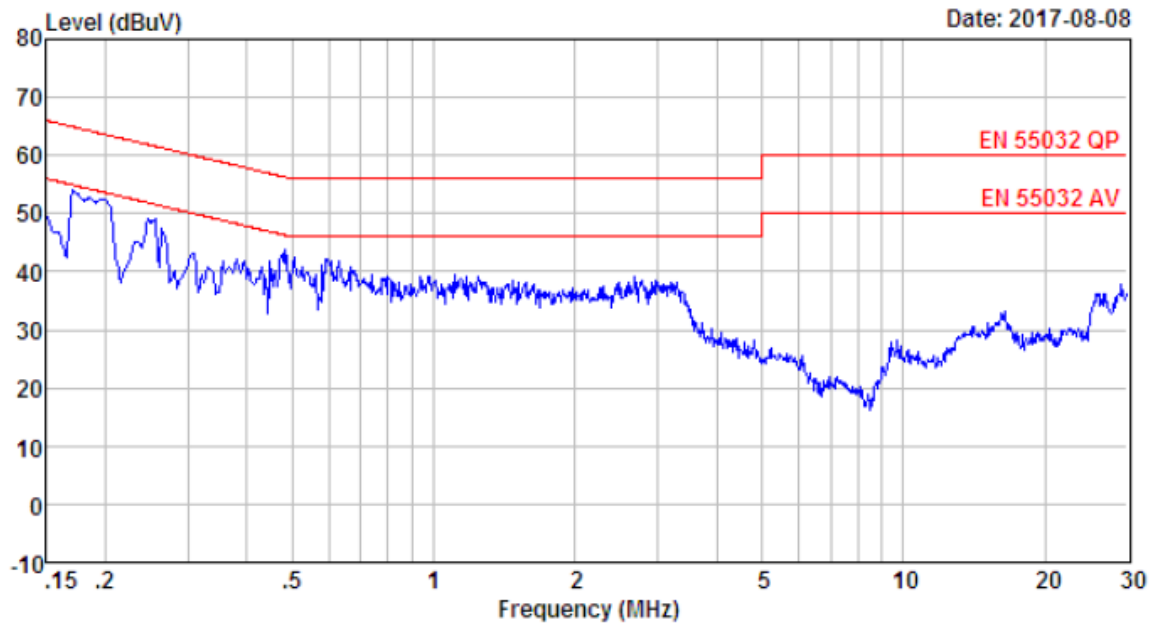
Site no : 2# Contuction Shield Room Data no. : 37  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y+Y



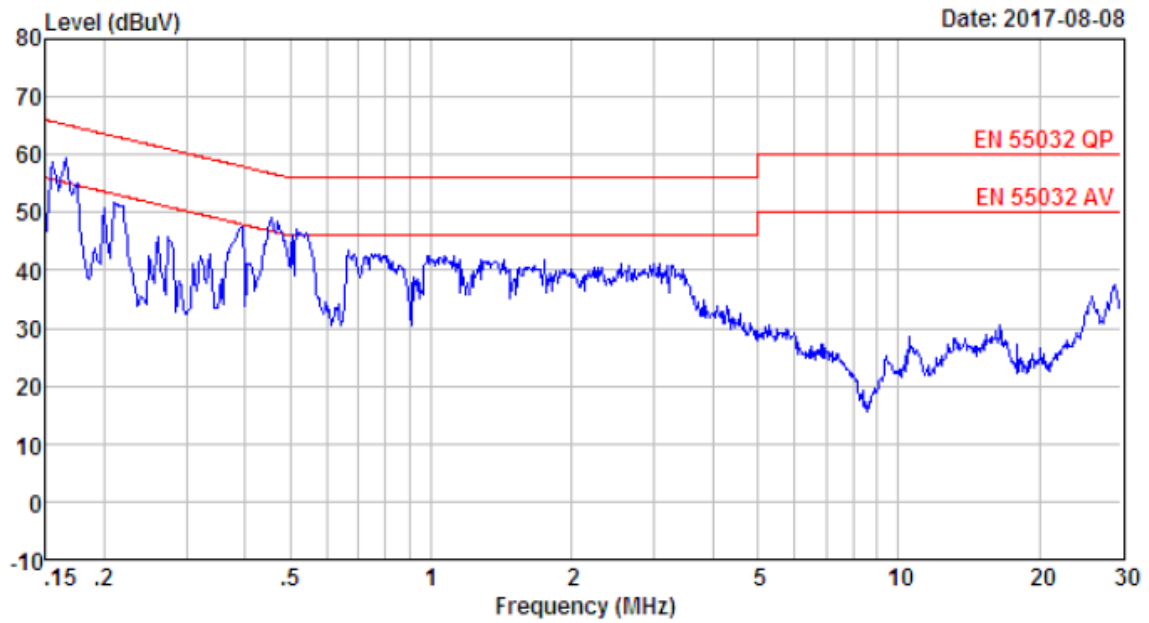
Site no : 2# Contuction Shield Room Data no. : 39  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y+Y



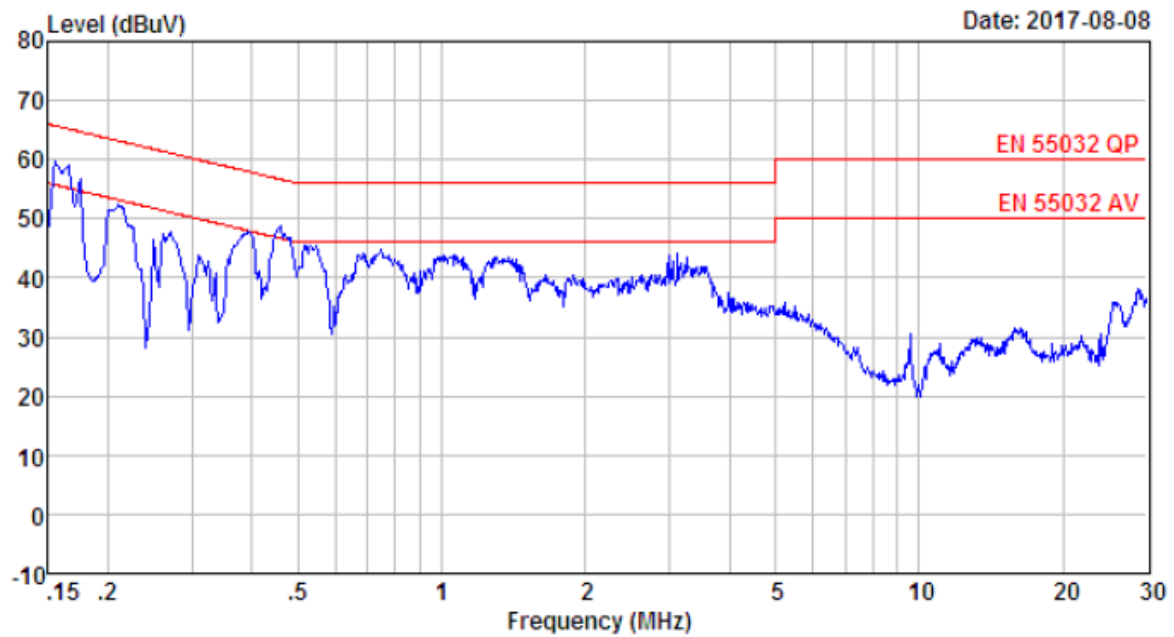
Site no : 2# Contuction Shield Room Data no. : 41  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 43  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y

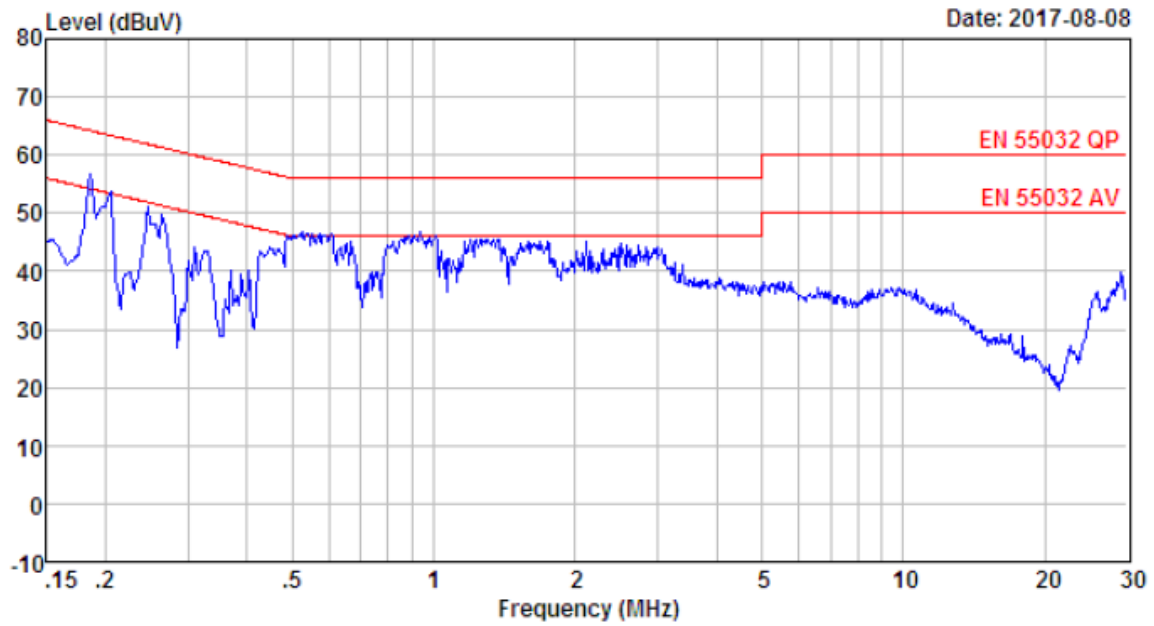


Site no : 2# Contuction Shield Room Data no. : 45  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y

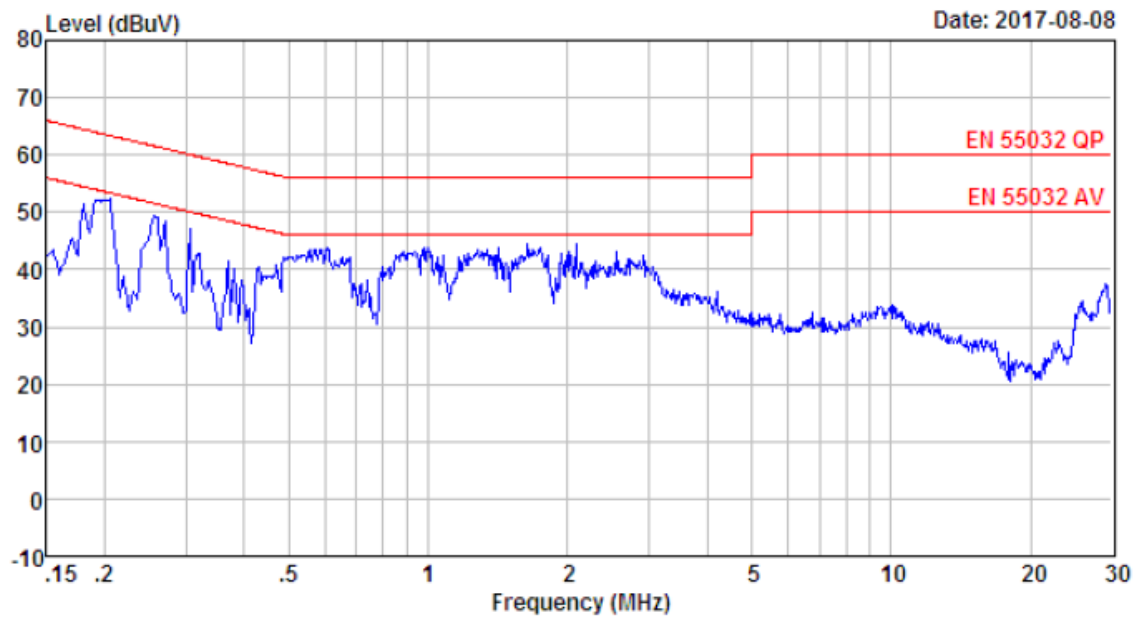


Site no : 2# Contuction Shield Room      Data no. : 47  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
             Y+Y

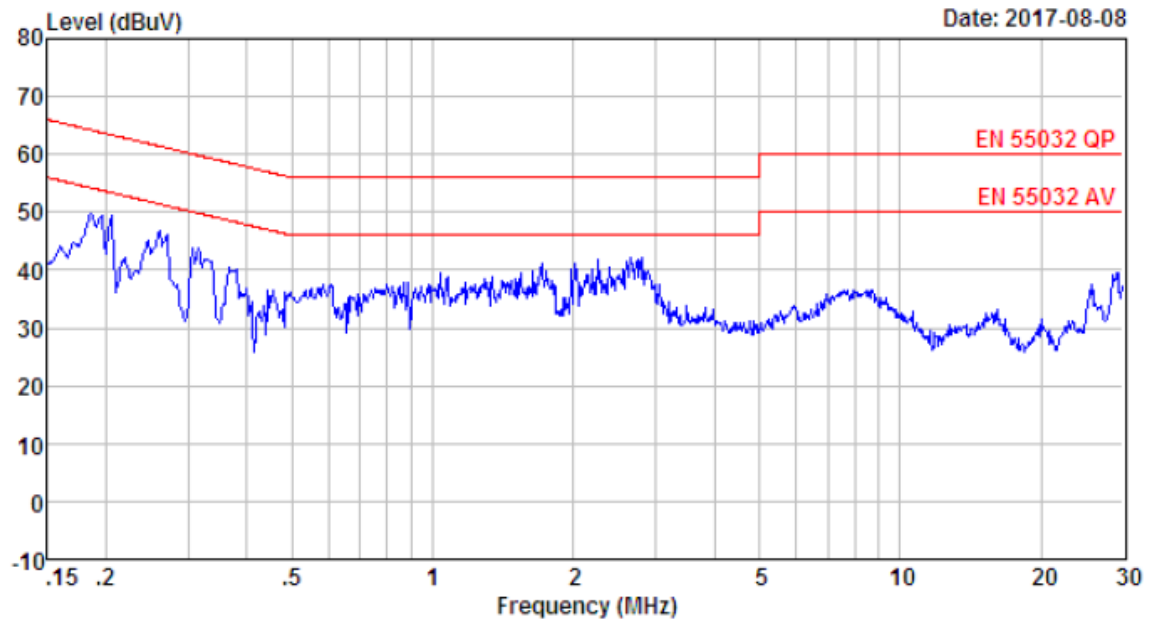




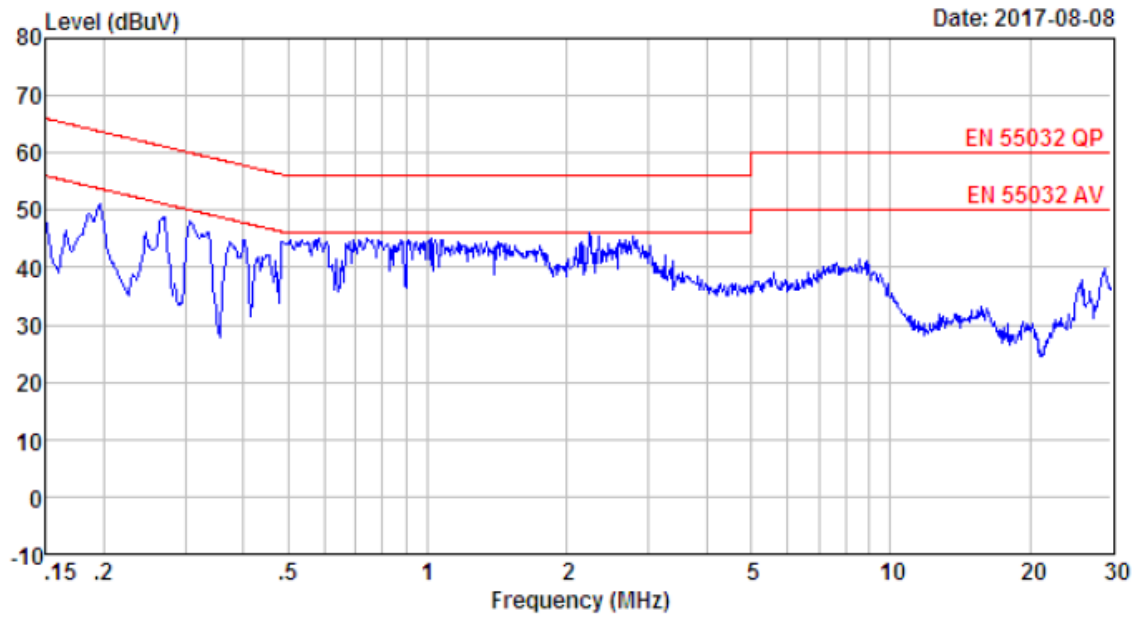
Site no : 2# Contuction Shield Room Data no. : 49  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load (Output:10.8V/6A)  
 Y+Y



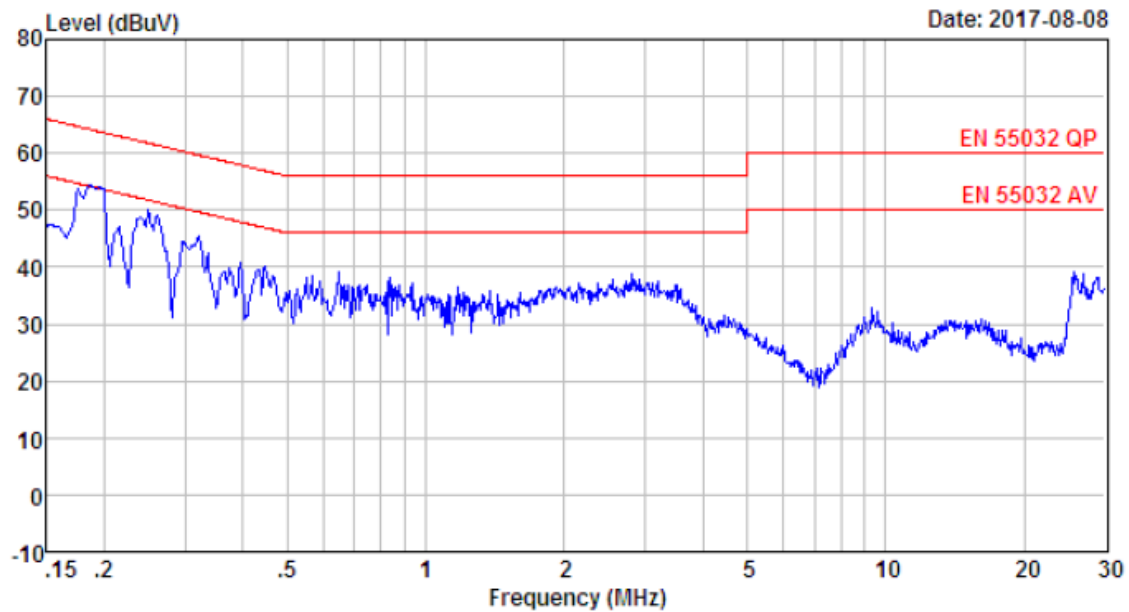
Site no : 2# Contuction Shield Room Data no. : 51  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y+Y



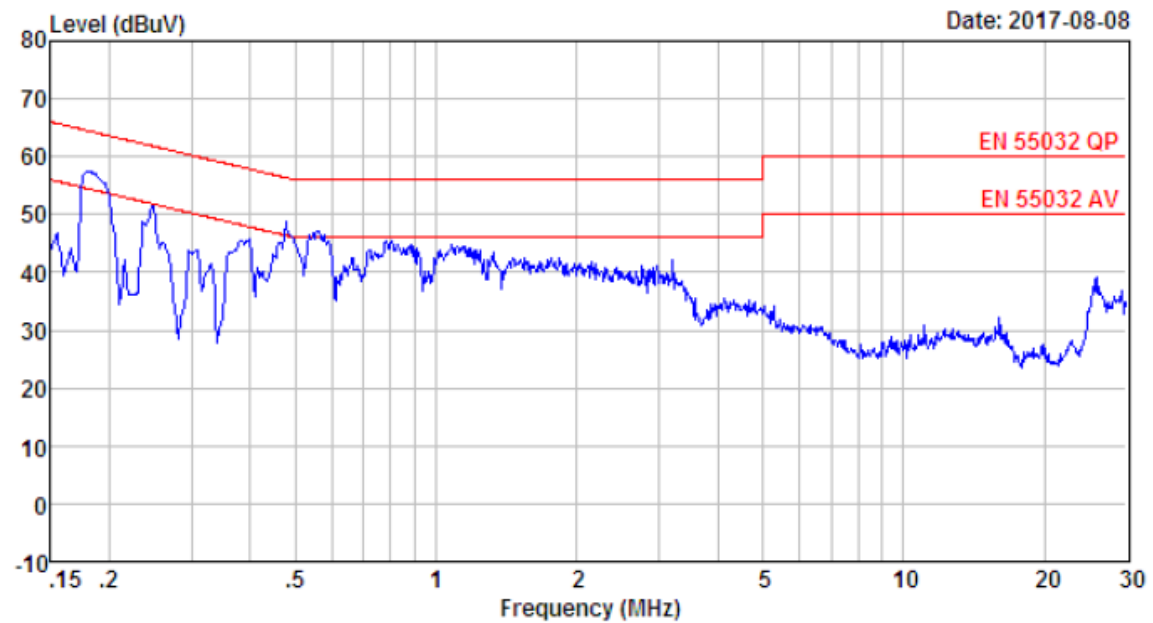
Site no : 2# Contuction Shield Room      Data no. : 53  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa    INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
             Y+Y



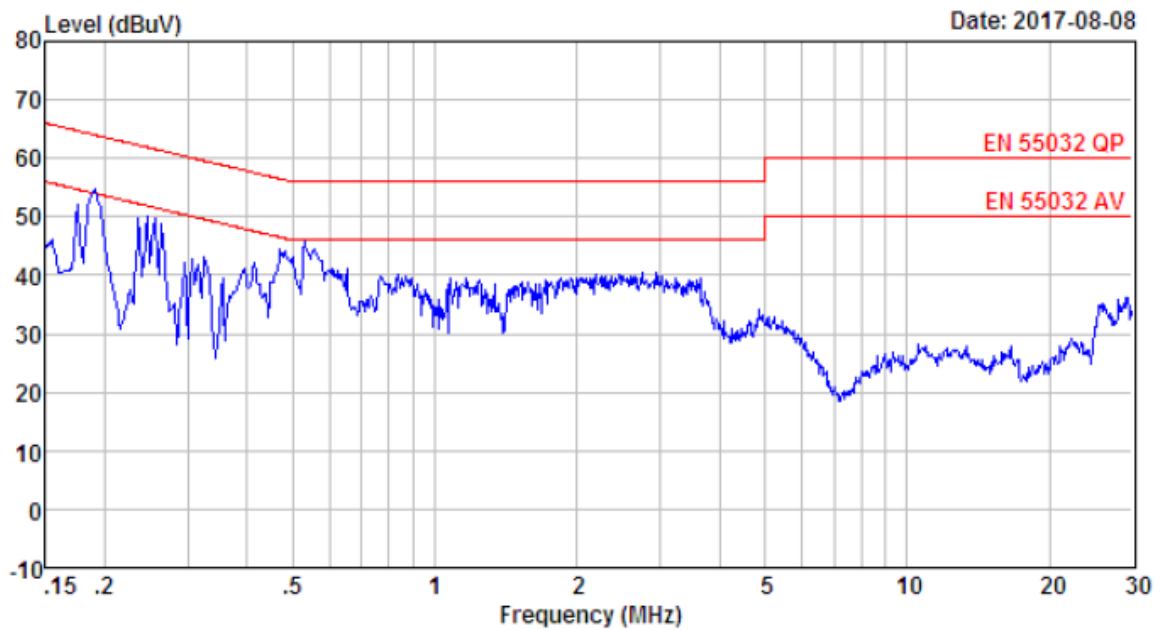
Site no : 2# Contuction Shield Room Data no. : 55  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y+Y



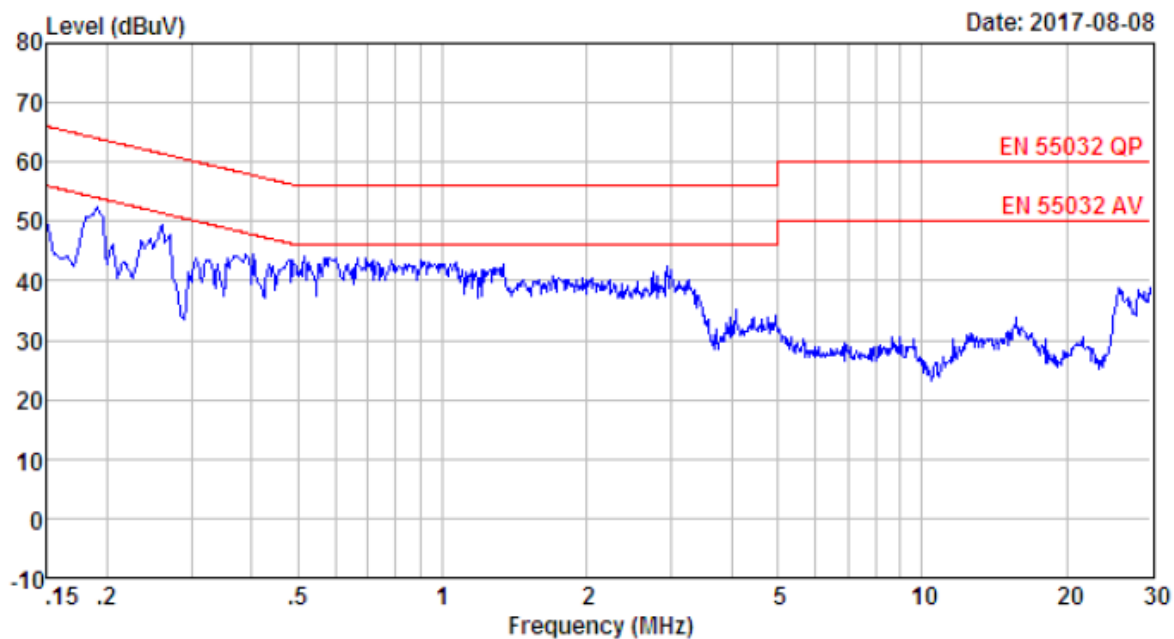
Site no : 2# Contuction Shield Room Data no. : 57  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 59  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y

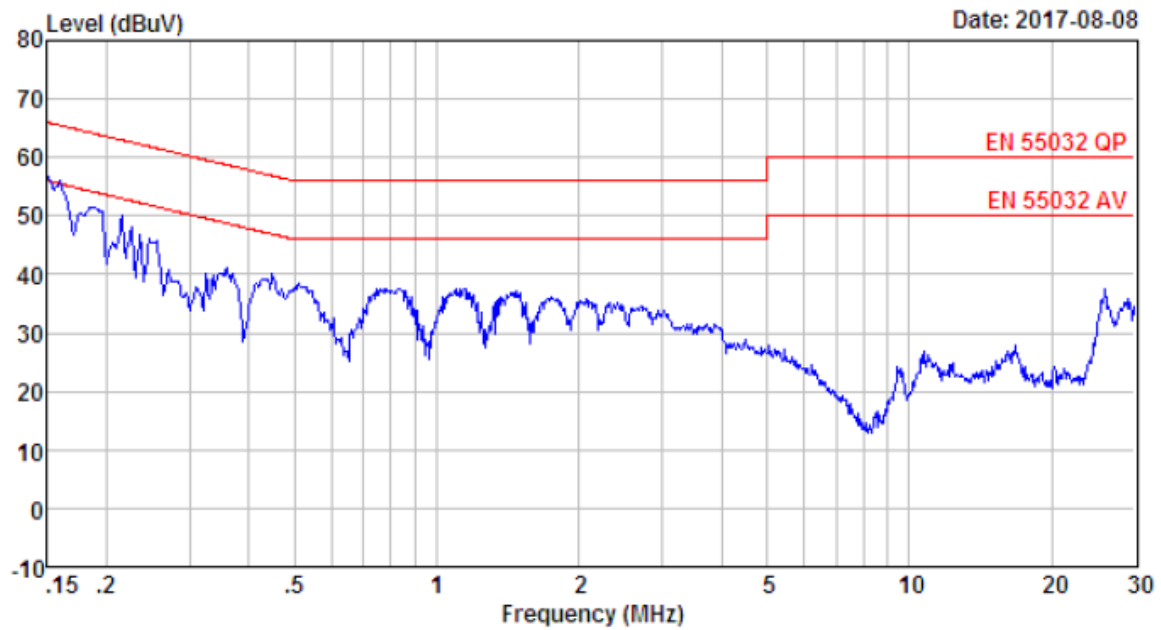


Site no : 2# Contuction Shield Room Data no. : 61  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y

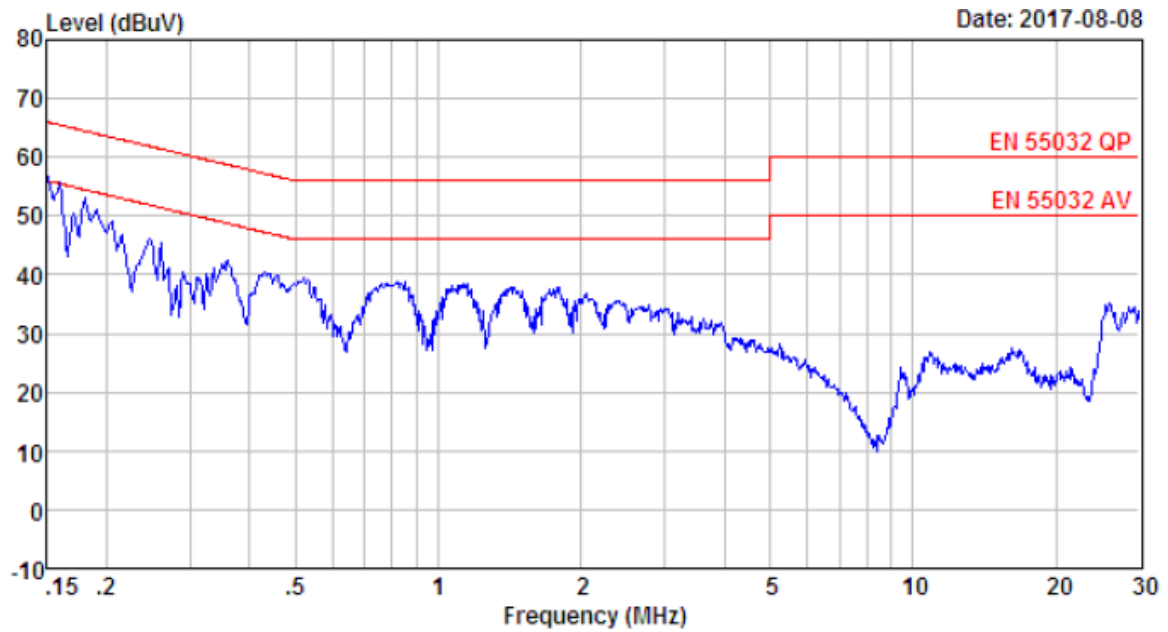


Site no : 2# Contuction Shield Room Data no. : 63  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y

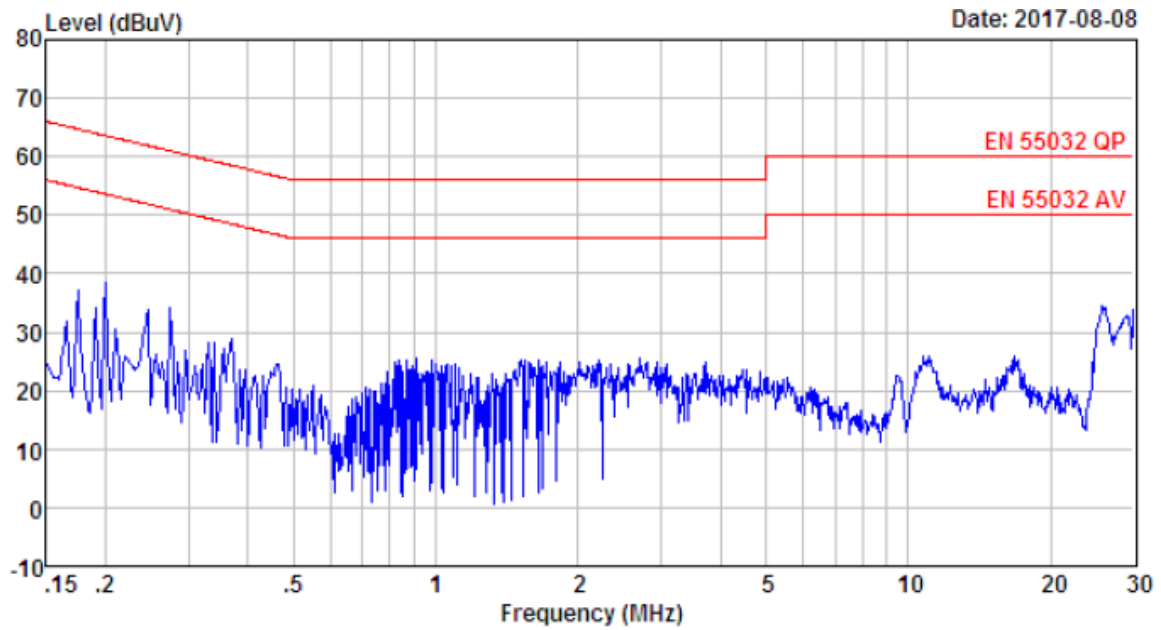




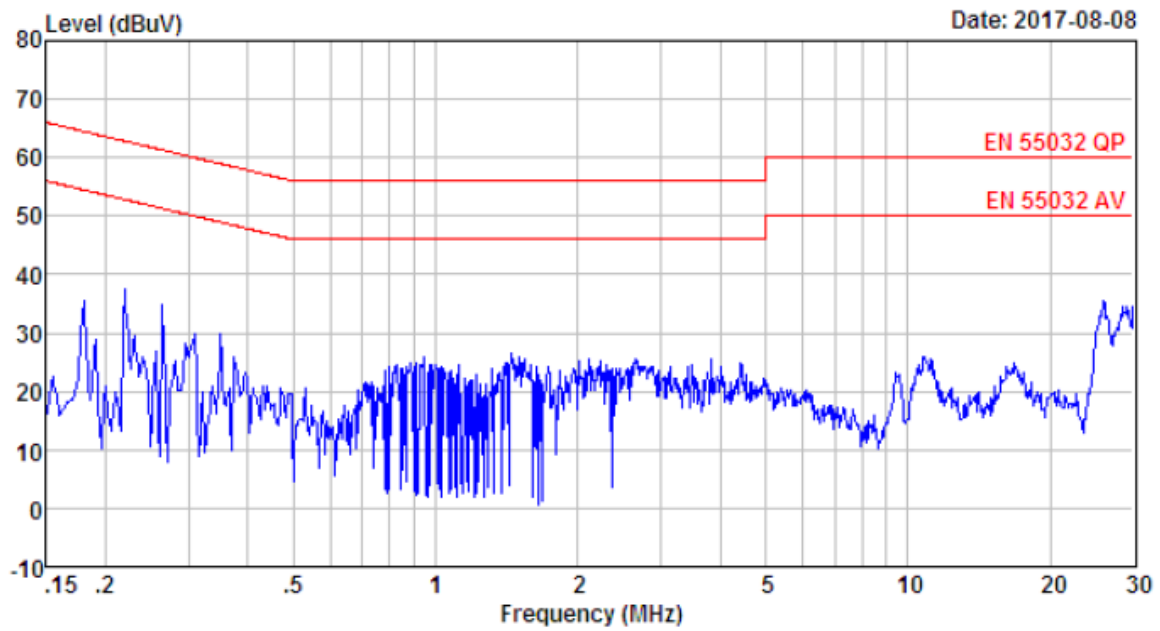
Site no : 2# Contuction Shield Room Data no. : 65  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : NEUTRAL  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Half Load (Output:54V/0.6A)  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 67  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPa INE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Half Load(Output:54V/0.6A)  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 69  
 Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : LINE  
 Limit : EN 55032 QP  
 Engineer : Sid  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : No Load  
 Y+Y



Site no : 2# Contuction Shield Room Data no. : 71  
Env. / Ins. : Temp:27.3'C Humi:56.8% Press:101.50kPaINE Phase : NEUTRAL  
Limit : EN 55032 QP  
Engineer : Sid  
EUT : Switching Adaptor  
Power : AC 230V/50Hz  
M/N : FJ-SW20175401200D  
Test Mode : No Load  
Y+Y

## 4.2. Radiated Emission Test

**RESULT** : **Pass**  
Test procedure : EN 55032:2015+A1:2020  
Frequency range : 30 ~ 1000MHz  
Test Site : 2#966 Chamber  
Limits : EN 55032:2015+A1:2020 Class B

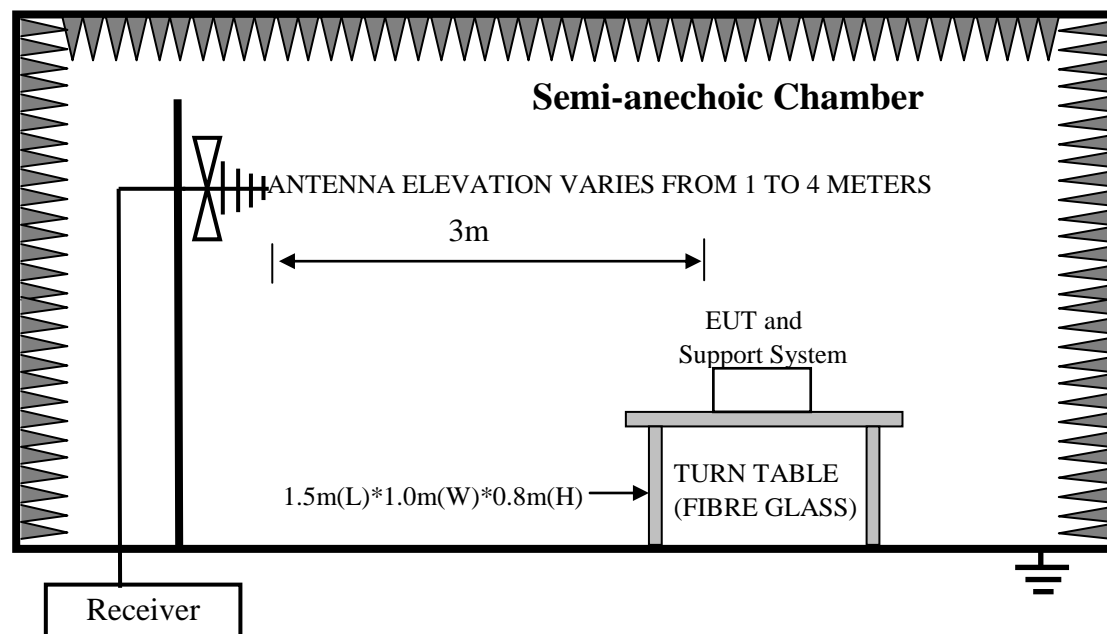
### Test Setup

Date of test : Jul. 31~Aug. 08, 2017  
Model No. : FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D,  
FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000,  
FJ-SW20173301970, FJ-SW20175401200  
Input Voltage : AC 230V/50Hz, AC 110V/60Hz  
Operation Mode : Full Load, Half Load, No Load

The EUT was placed on a turn table which was 0.8 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m distance from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

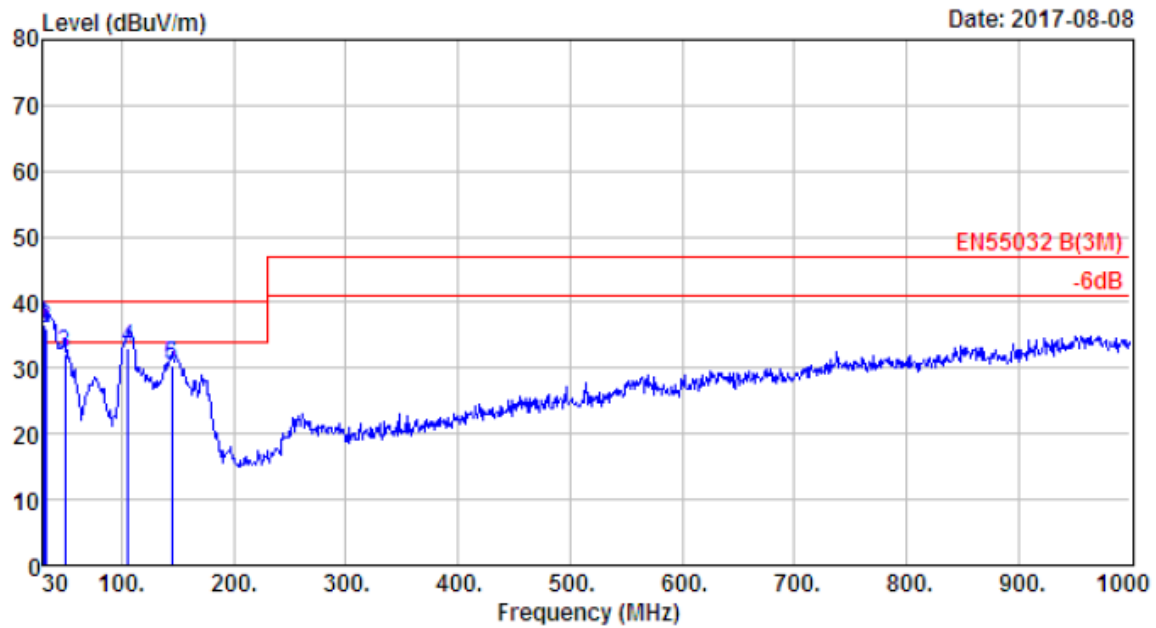
The bandwidth setting on the test receiver was 120 kHz.



### Note:

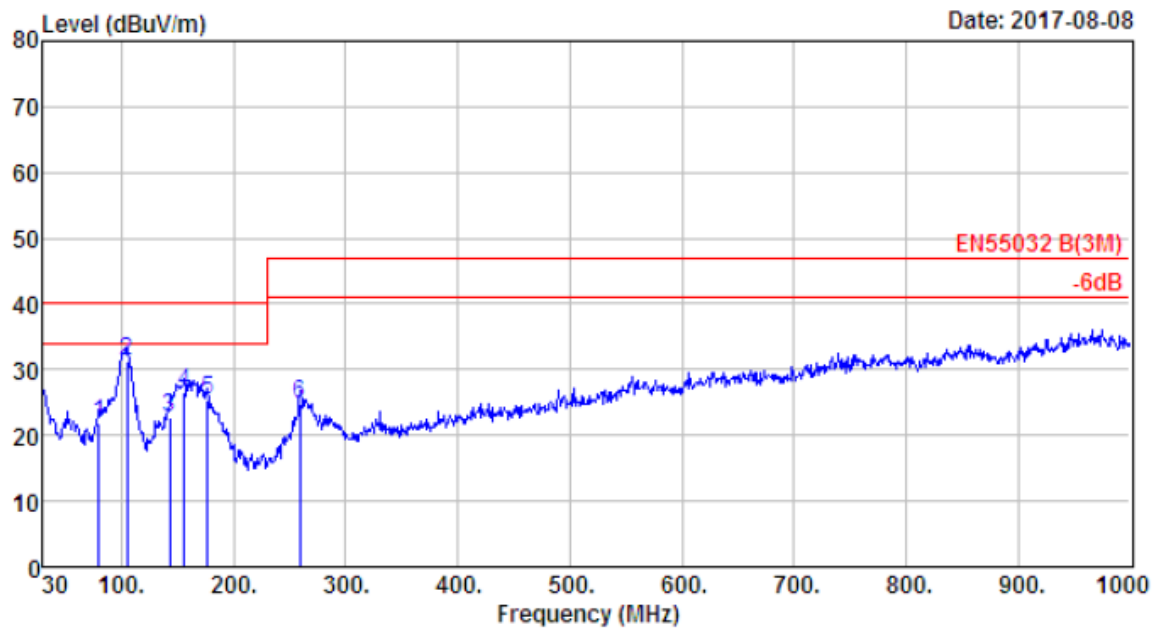
**Test uncertainty:  $\pm 4.26$  dB (H);  $\pm 4.74$  dB (V) at a level of confidence of 95%.(2#966)**

## Test Data



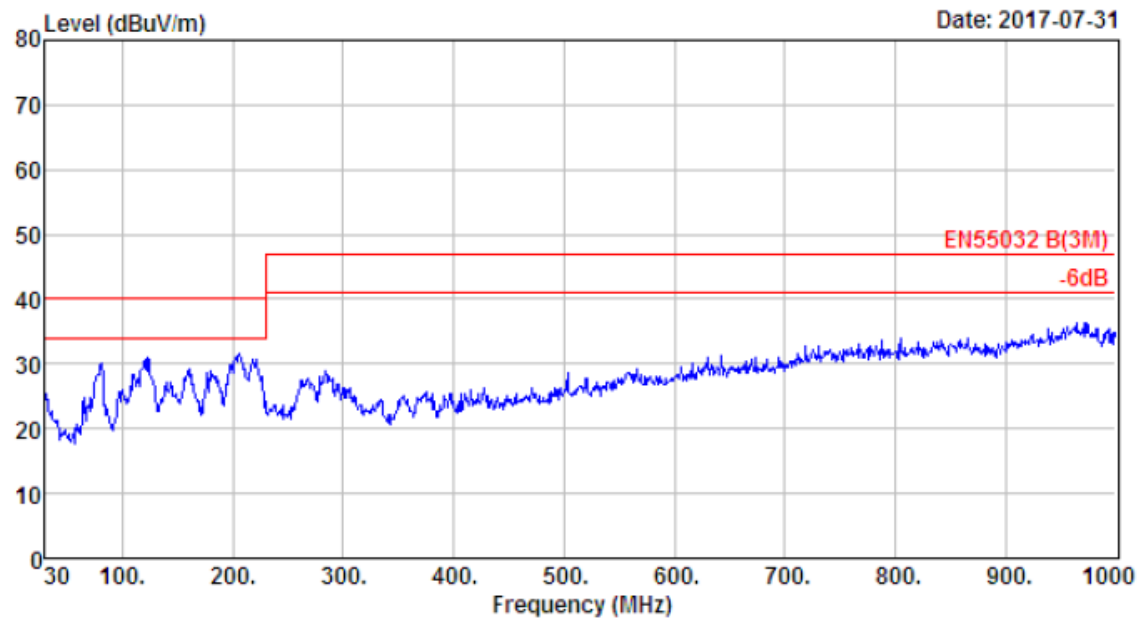
Site no. : 2# 966 chamber      Data no. : 137  
 Dis. / Ant. : 3m 37062      Ant. pol. : VERTICAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
                  Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.09	1.04	17.48	36.61	40.00	3.39	QP
2	31.940	17.52	0.95	17.51	35.98	40.00	4.02	QP
3	49.400	8.11	1.17	22.93	32.21	40.00	7.79	QP
4	105.660	10.11	1.50	21.42	33.03	40.00	6.97	QP
5	144.460	11.14	1.72	17.52	30.38	40.00	9.62	QP
6	144.460	11.14	1.72	17.52	30.38	40.00	9.62	QP



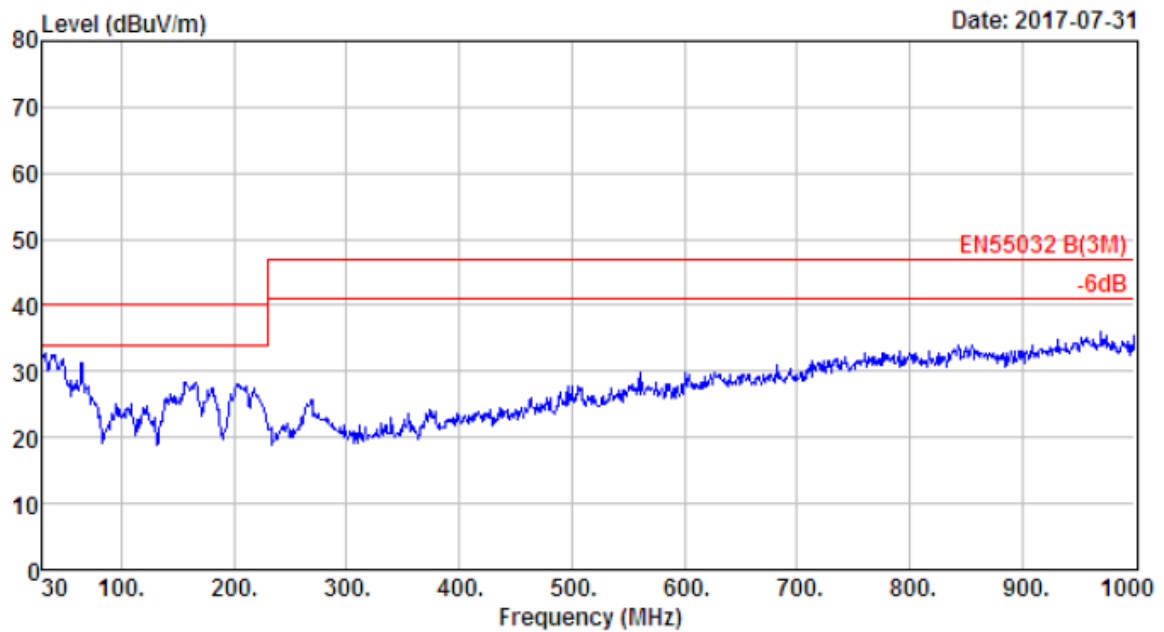
Site no. : 2# 966 chamber  
 Dis. / Ant. : 3m 37062  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6°;Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20175401200  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	79.470	6.97	1.12	13.80	21.89	40.00	18.11	QP
2	104.690	10.03	1.54	19.81	31.38	40.00	8.62	QP
3	142.520	11.18	1.77	9.90	22.85	40.00	17.15	QP
4	156.100	10.41	1.81	14.29	26.51	40.00	13.49	QP
5	176.470	9.03	2.06	14.17	25.26	40.00	14.74	QP
6	258.920	13.26	2.30	9.20	24.76	47.00	22.24	QP

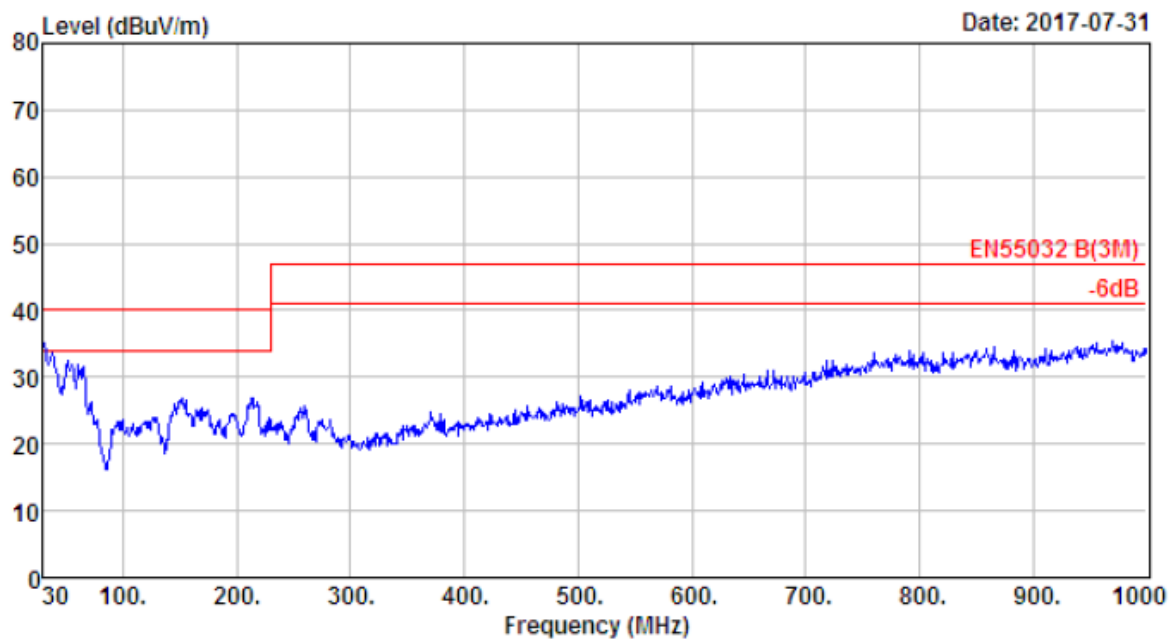


Site no.	: 2# 966 chamber	Data no.	: 109
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		

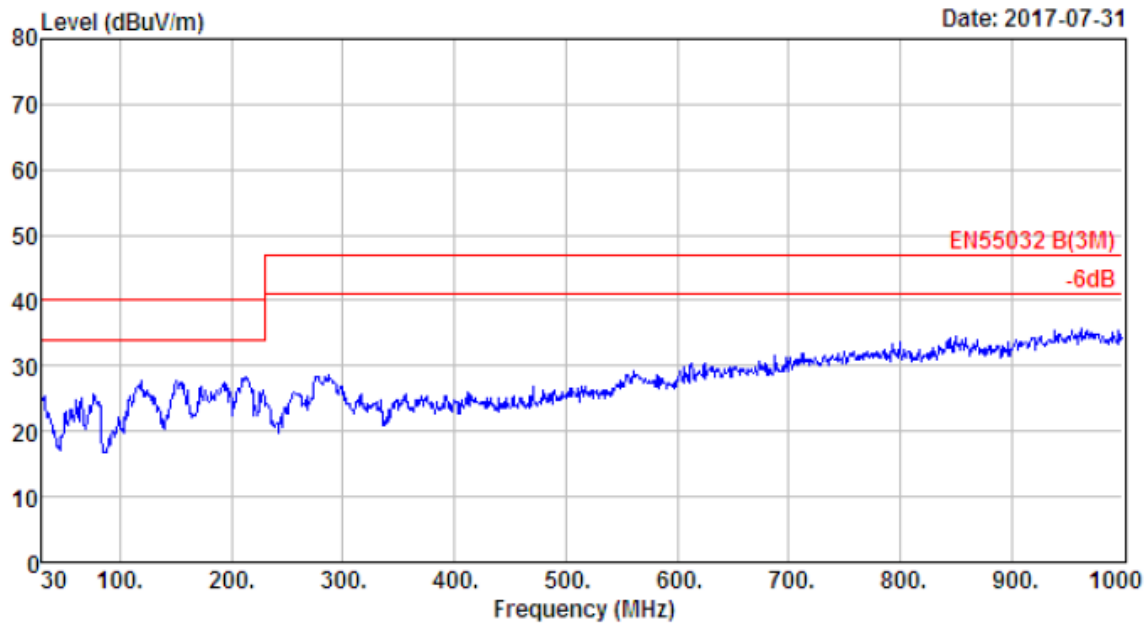




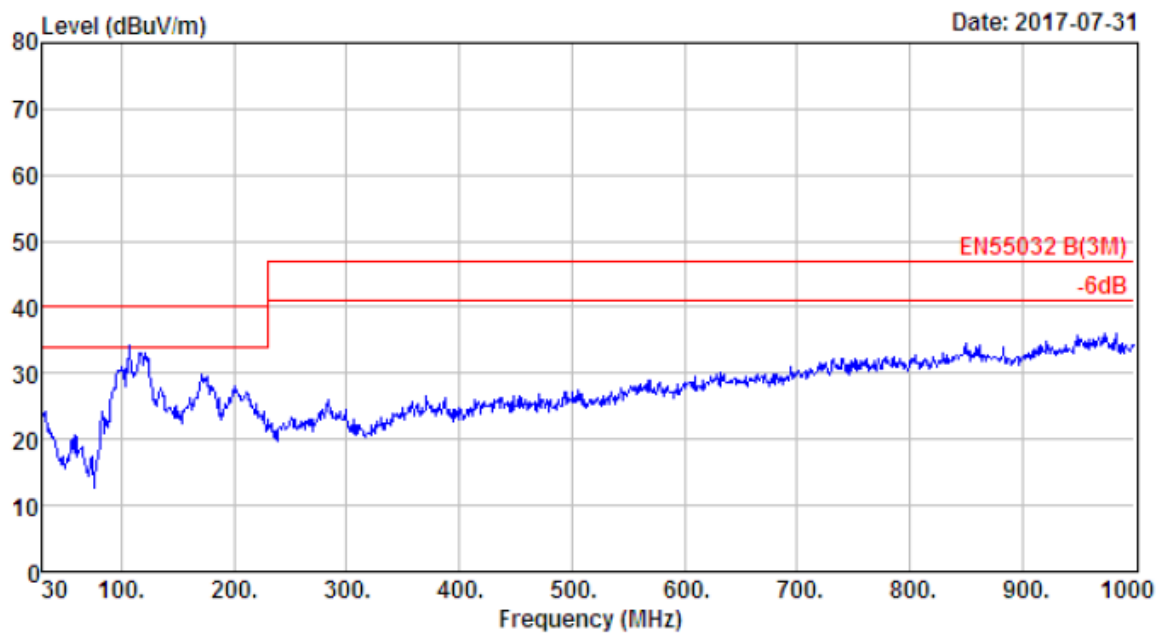
Site no.	: 2# 966 chamber	Data no.	: 110
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		



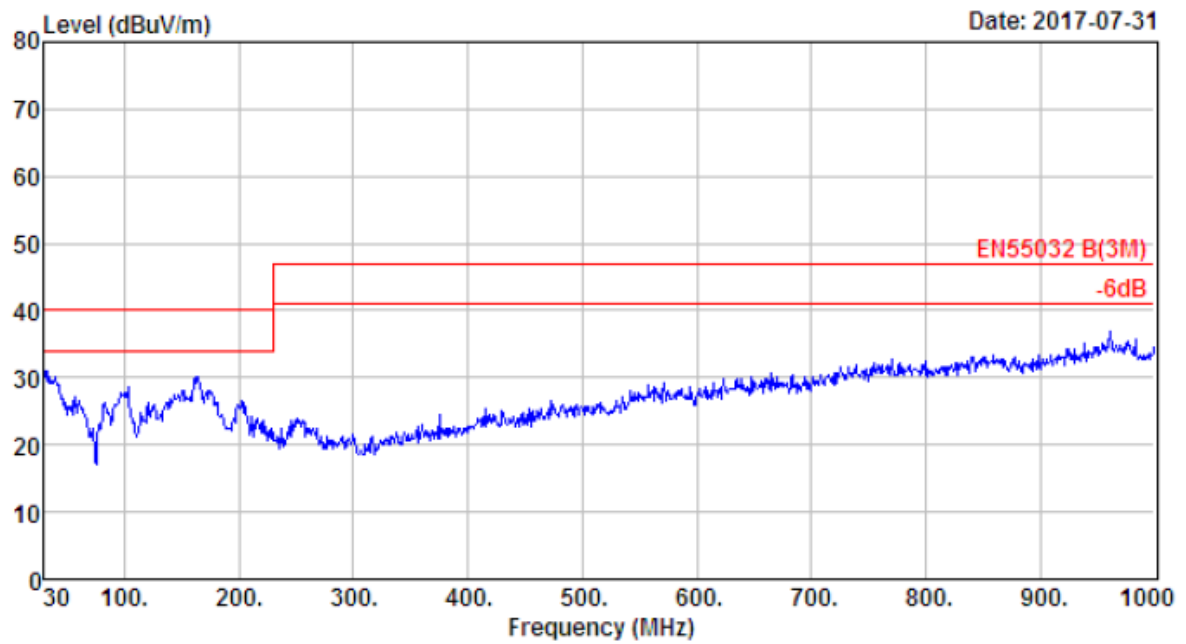
Site no.	: 2# 966 chamber	Data no.	: 111
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		



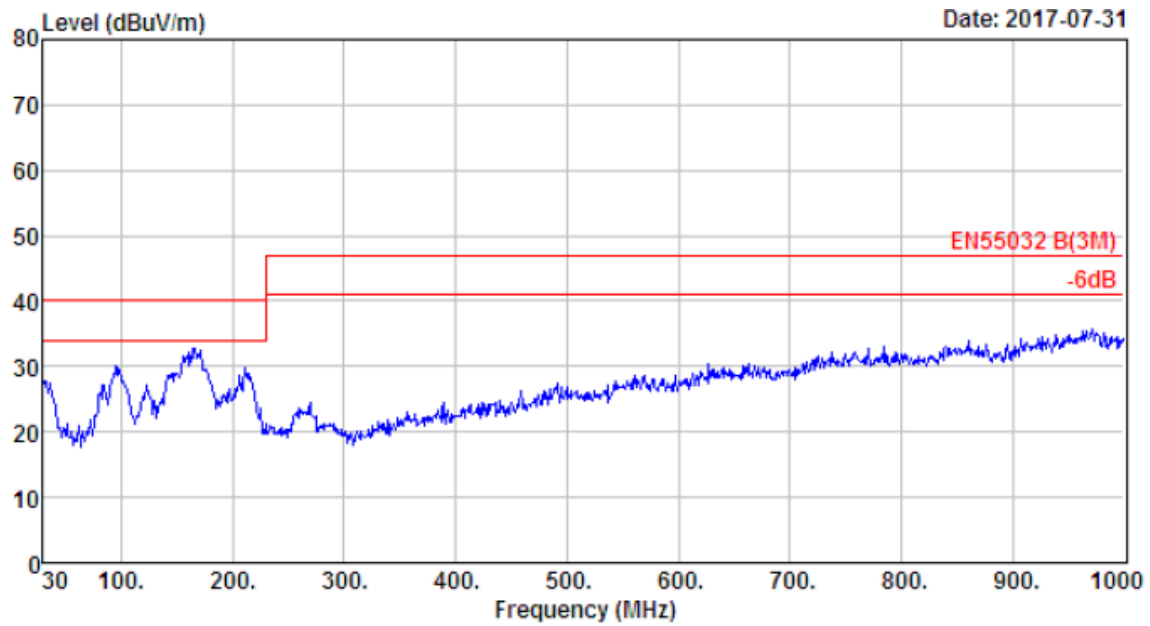
Site no.	: 2# 966 chamber	Data no.	: 112
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		



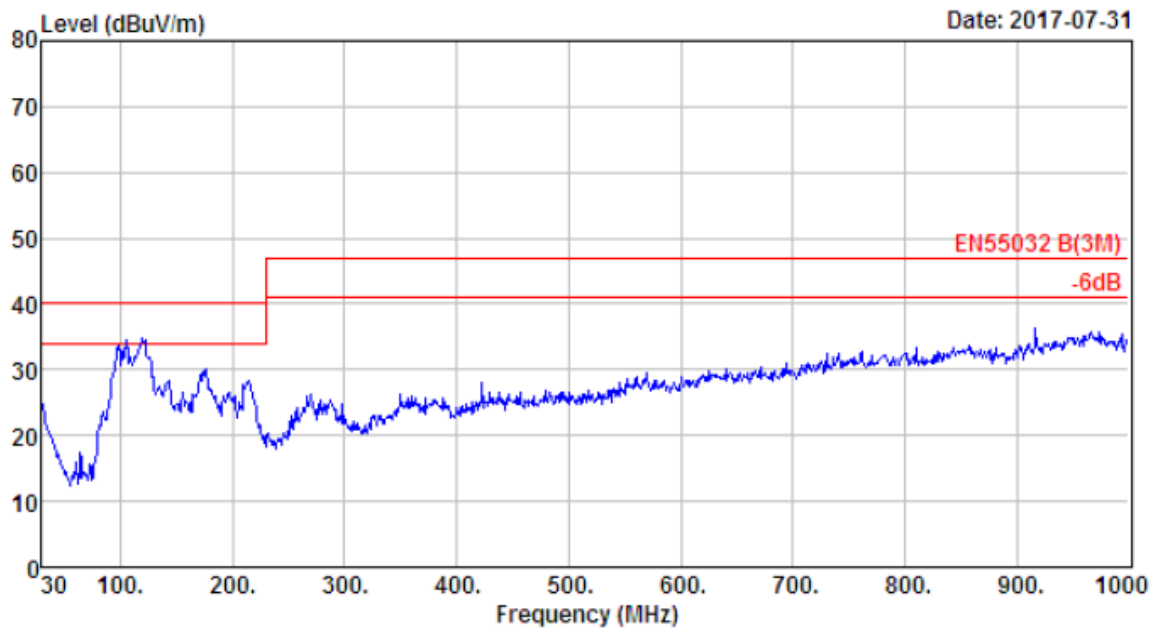
Site no.	: 2# 966 chamber	Data no.	: 113
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y+Y		



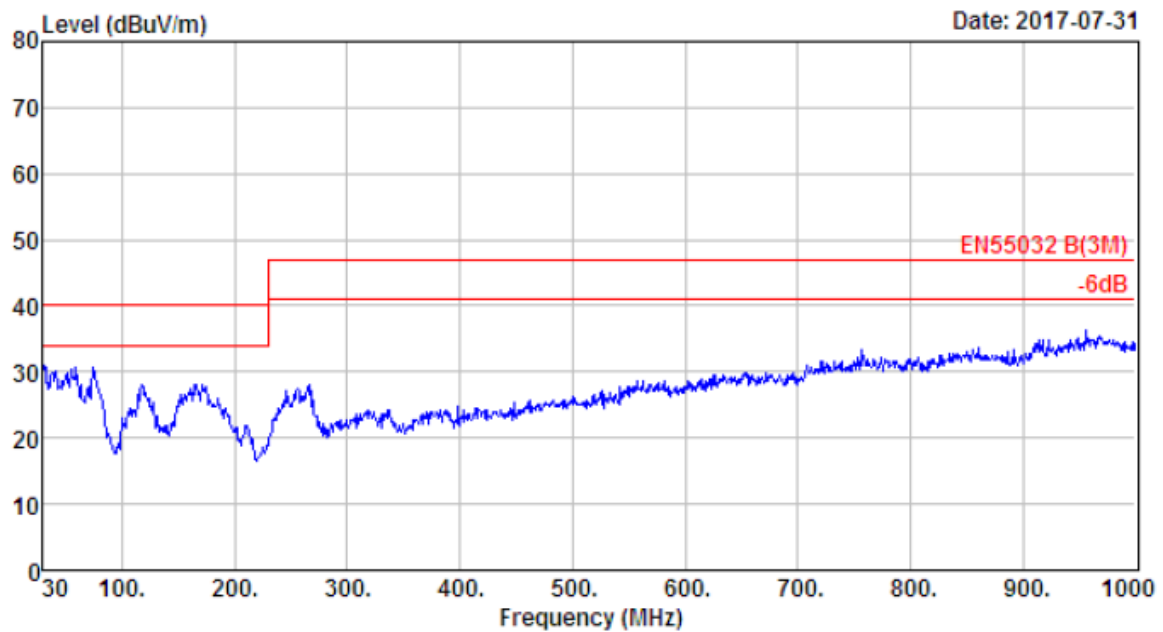
Site no.	: 2# 966 chamber	Data no.	: 114
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y+Y		



Site no.	: 2# 966 chamber	Data no.	: 115
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y+Y		

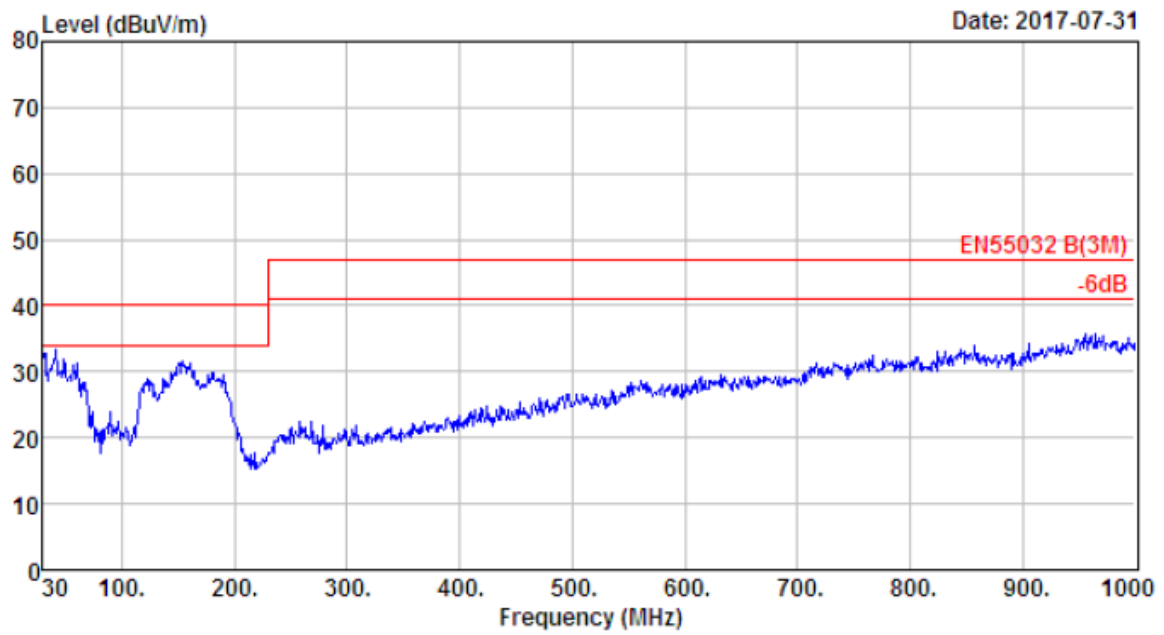


Site no.	: 2# 966 chamber	Data no.	: 116
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y+Y		

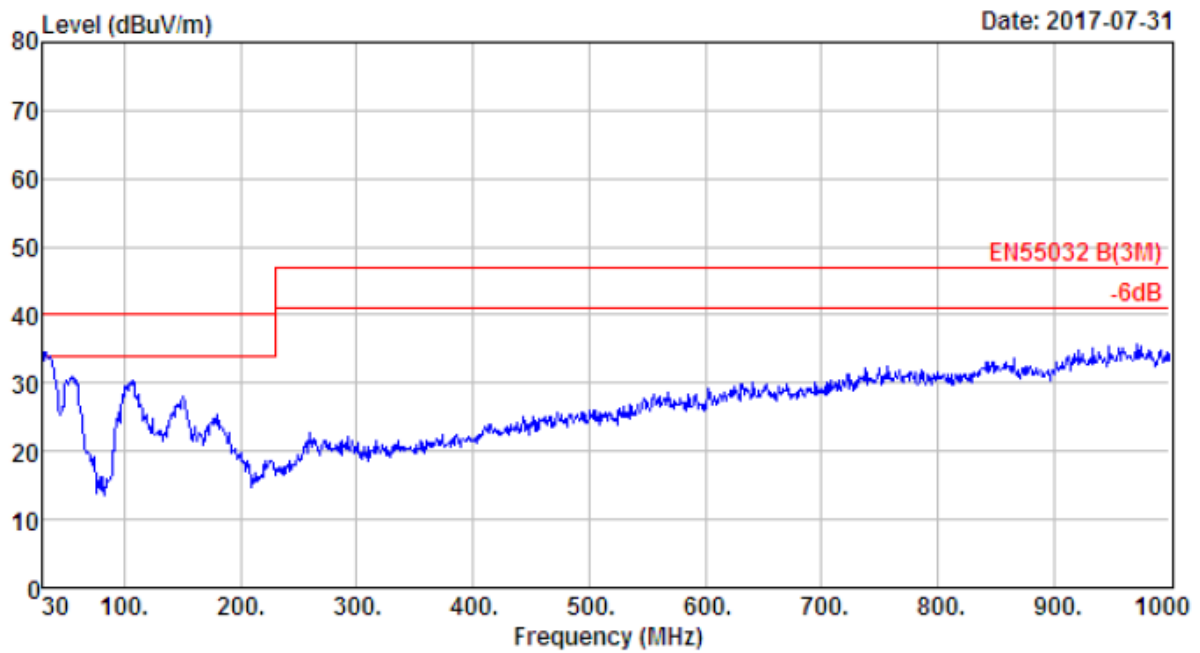


Site no.	: 2# 966 chamber	Data no.	: 117
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		

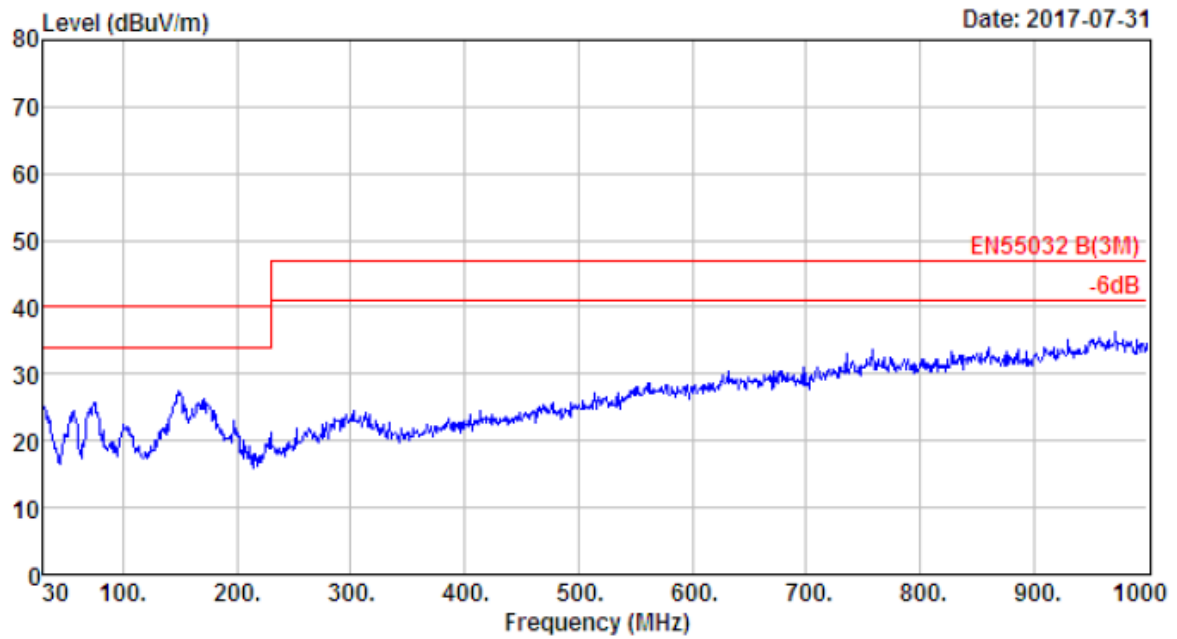




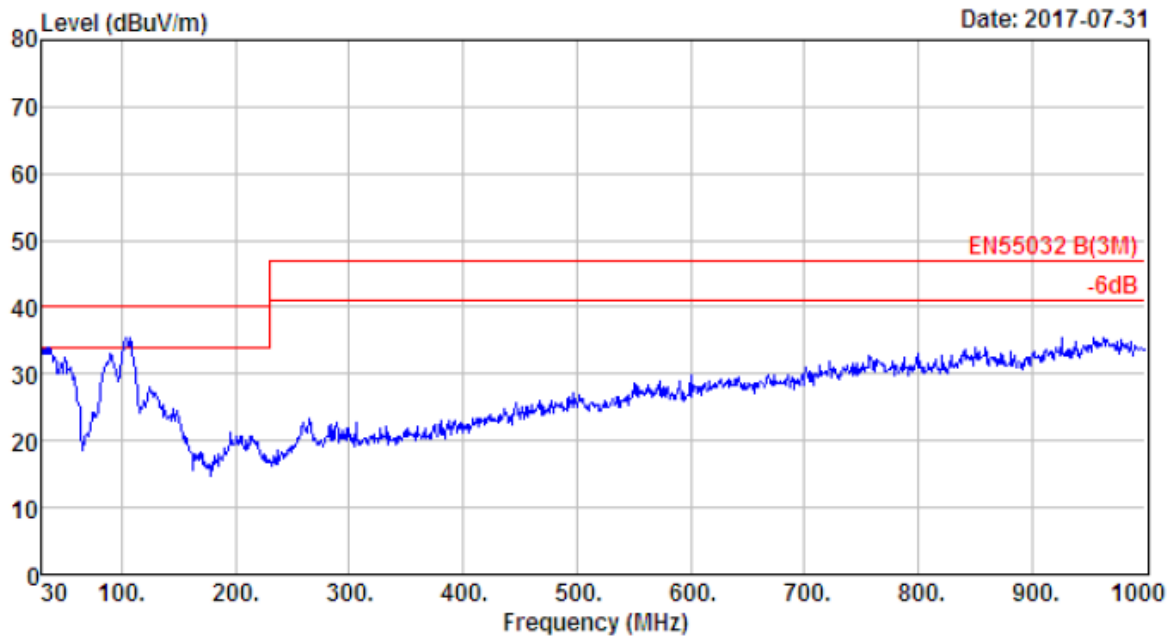
Site no.	: 2# 966 chamber	Data no.	: 118
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		



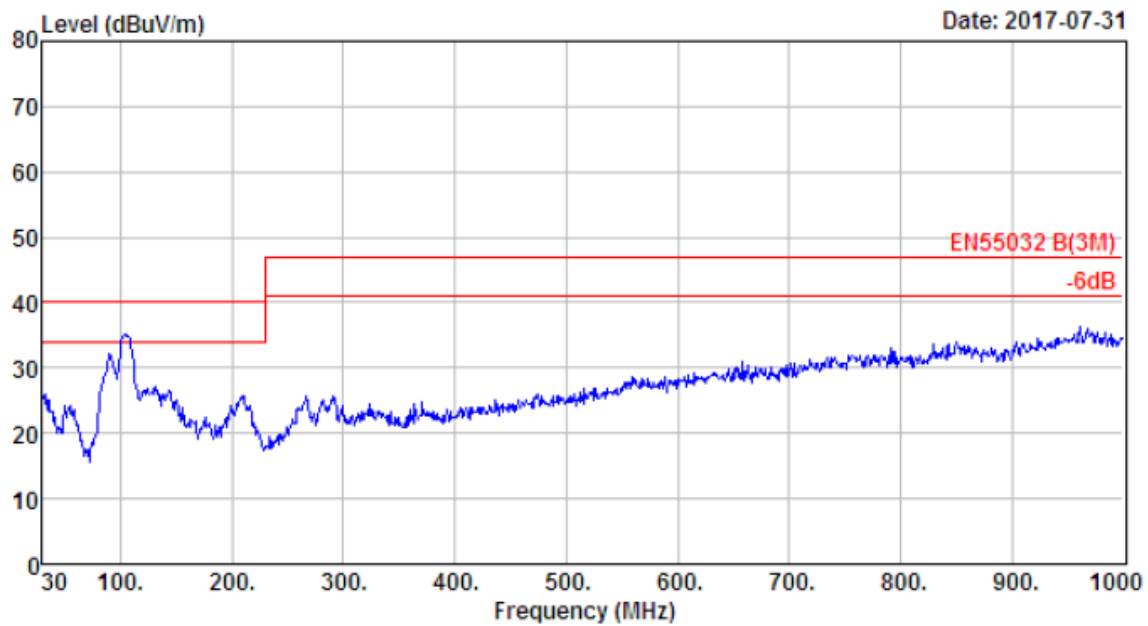
Site no.	: 2# 966 chamber	Data no.	: 119
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		



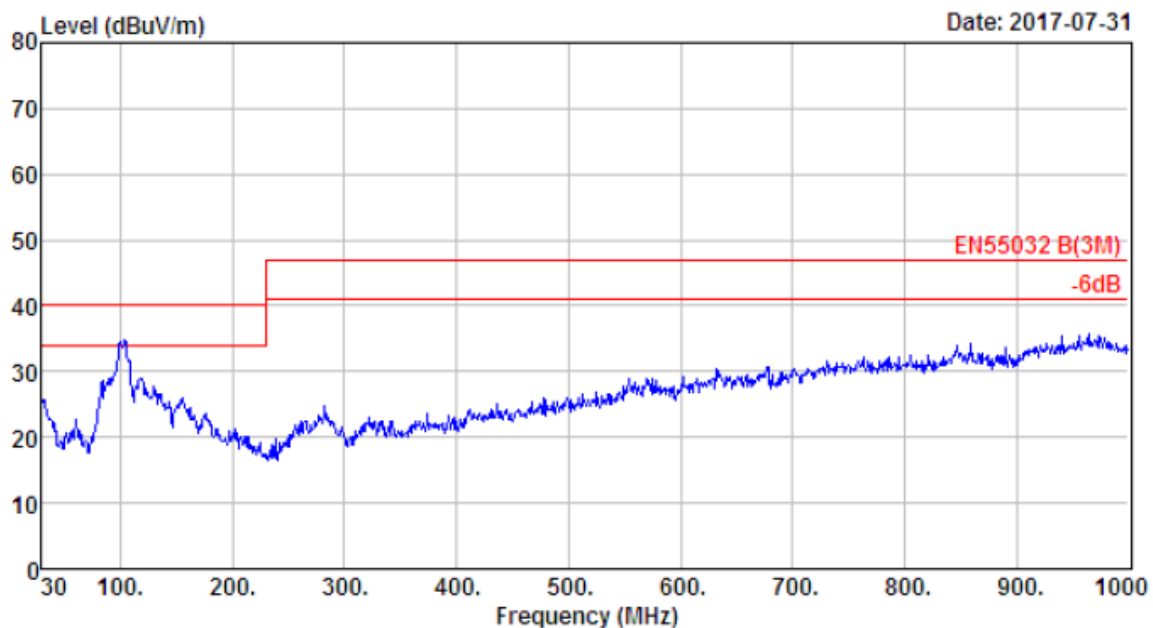
Site no.	: 2# 966 chamber	Data no.	: 120
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		



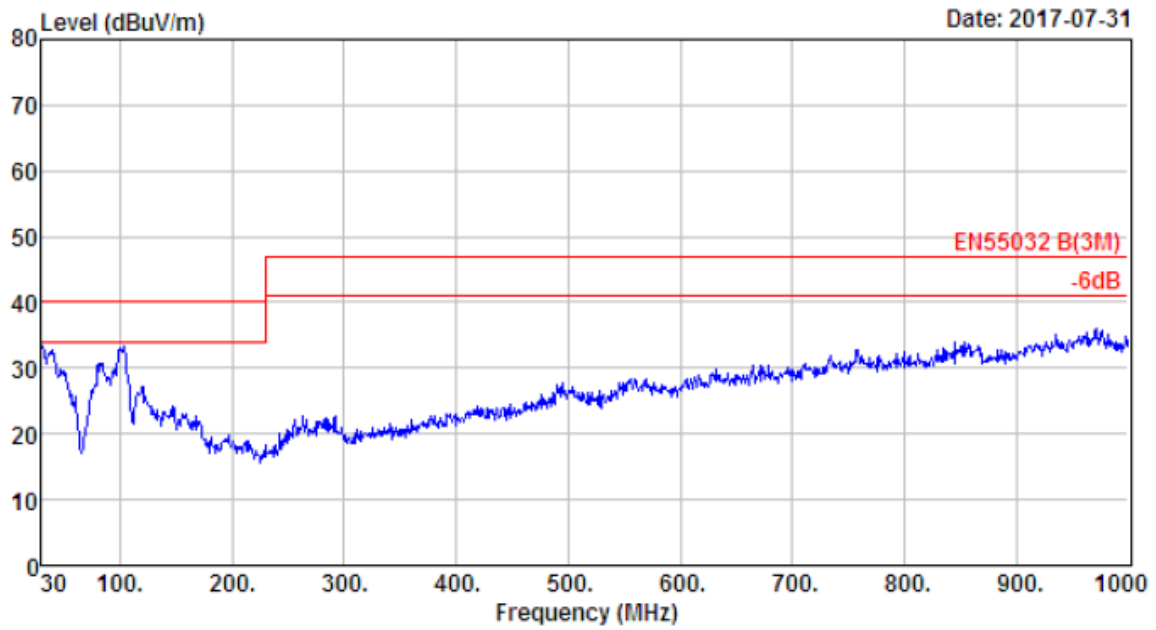
Site no.	: 2# 966 chamber	Data no.	: 121
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y+Y		



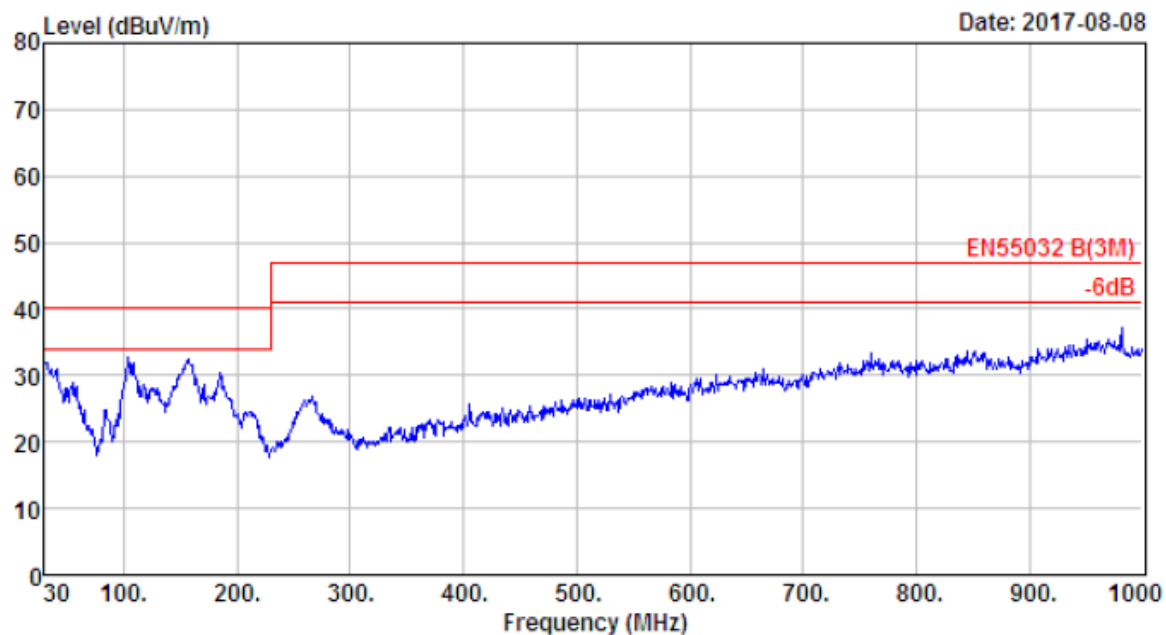
Site no.	: 2# 966 chamber	Data no.	: 122
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y+Y		



Site no.	: 2# 966 chamber	Data no.	: 123
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y+Y		

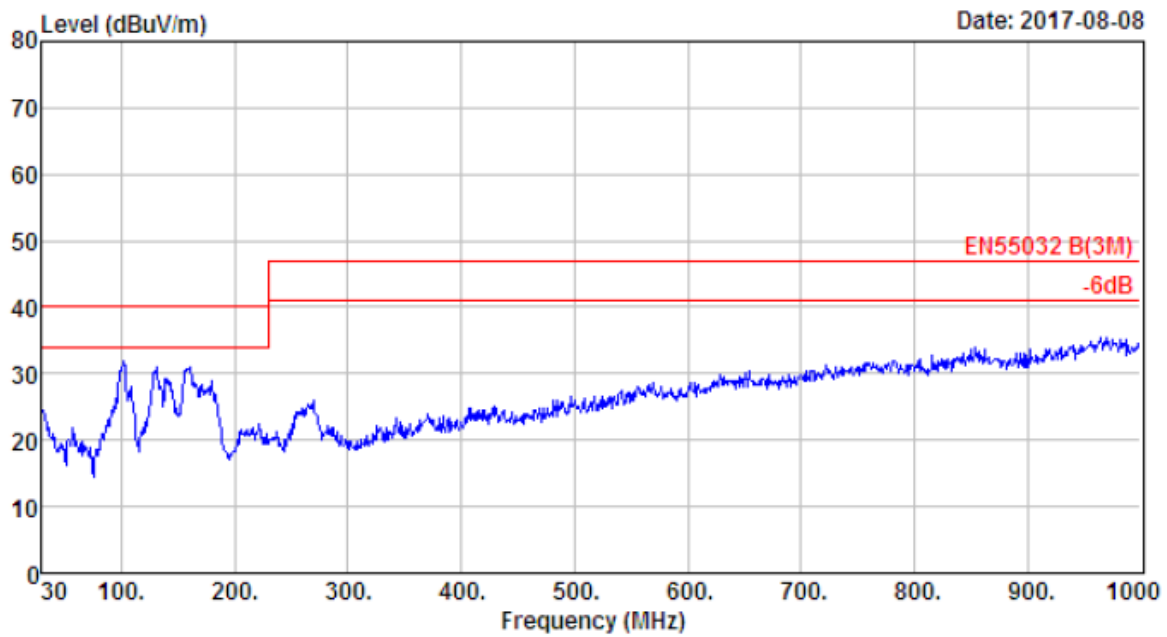


Site no.	: 2# 966 chamber	Data no.	: 124
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y+Y		

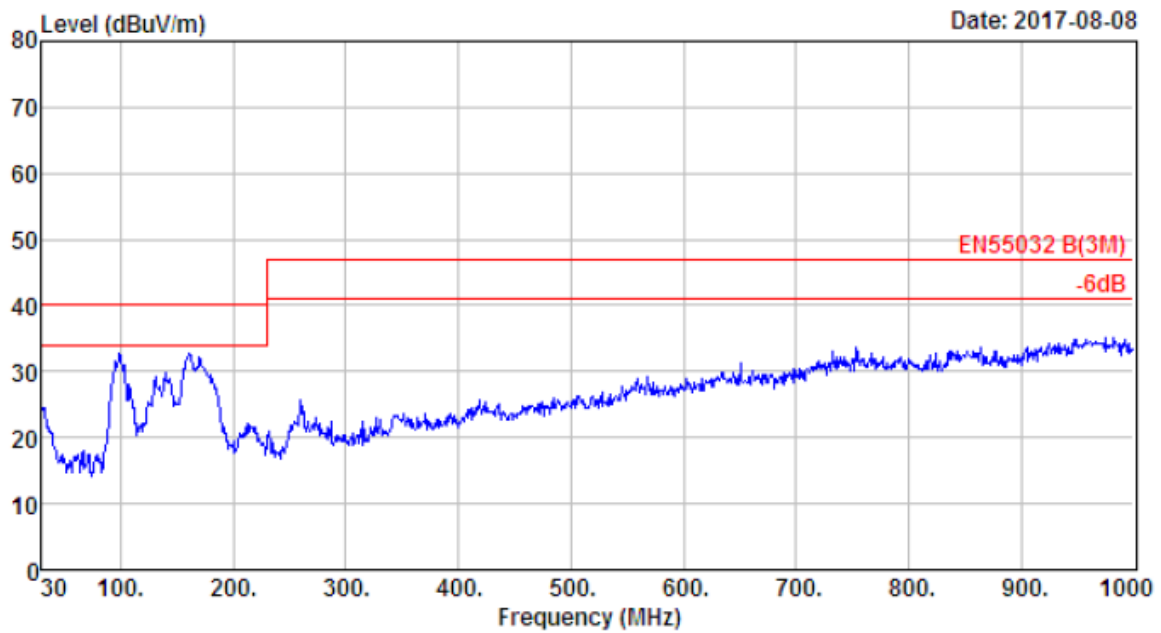


Site no.	: 2# 966 chamber	Data no.	: 125
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y		

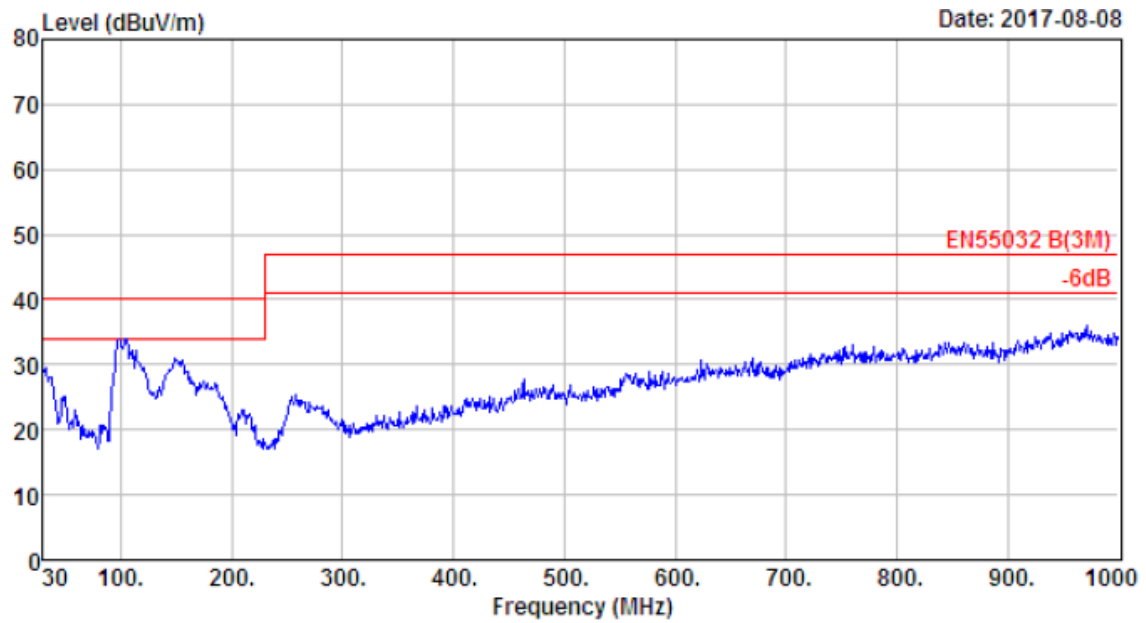




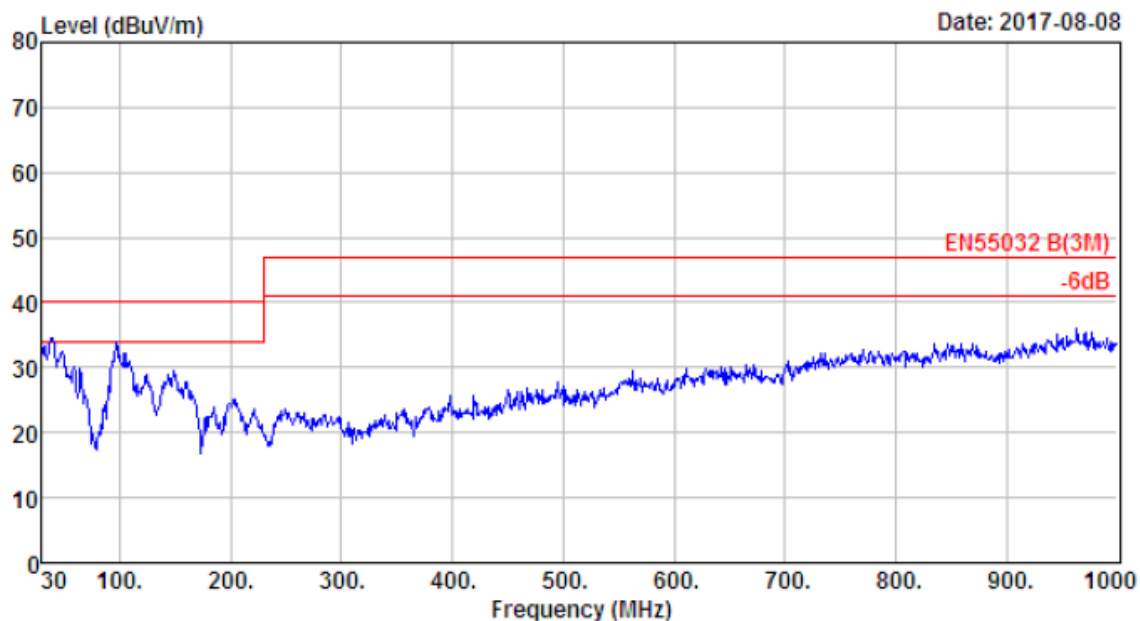
Site no.	: 2# 966 chamber	Data no.	: 126
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



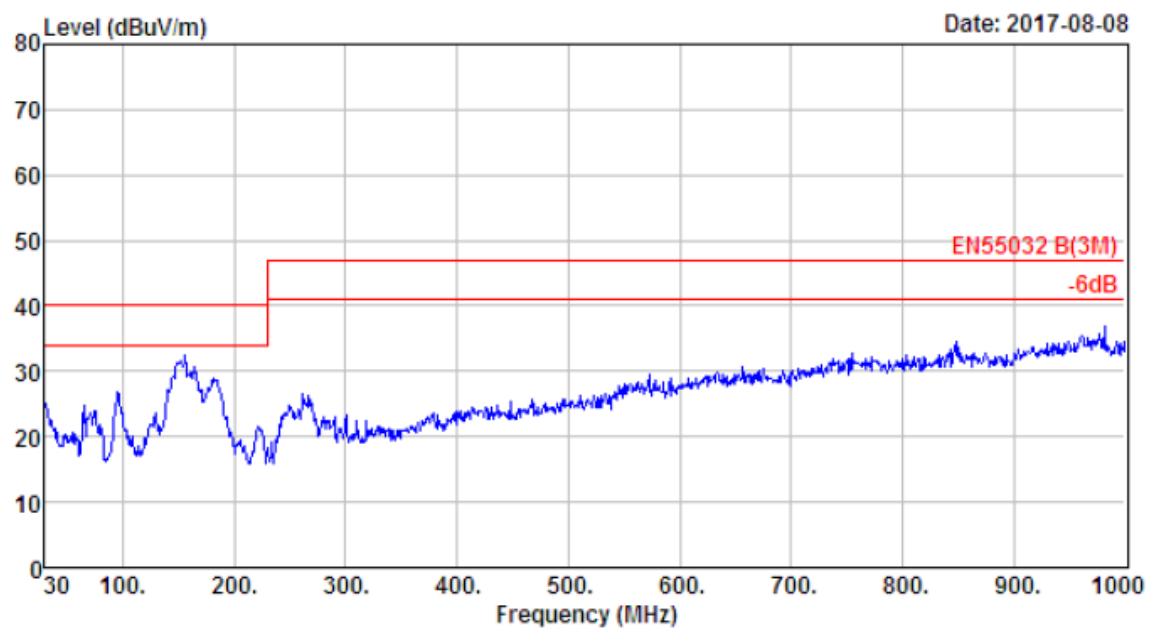
Site no.	: 2# 966 chamber	Data no.	: 127
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



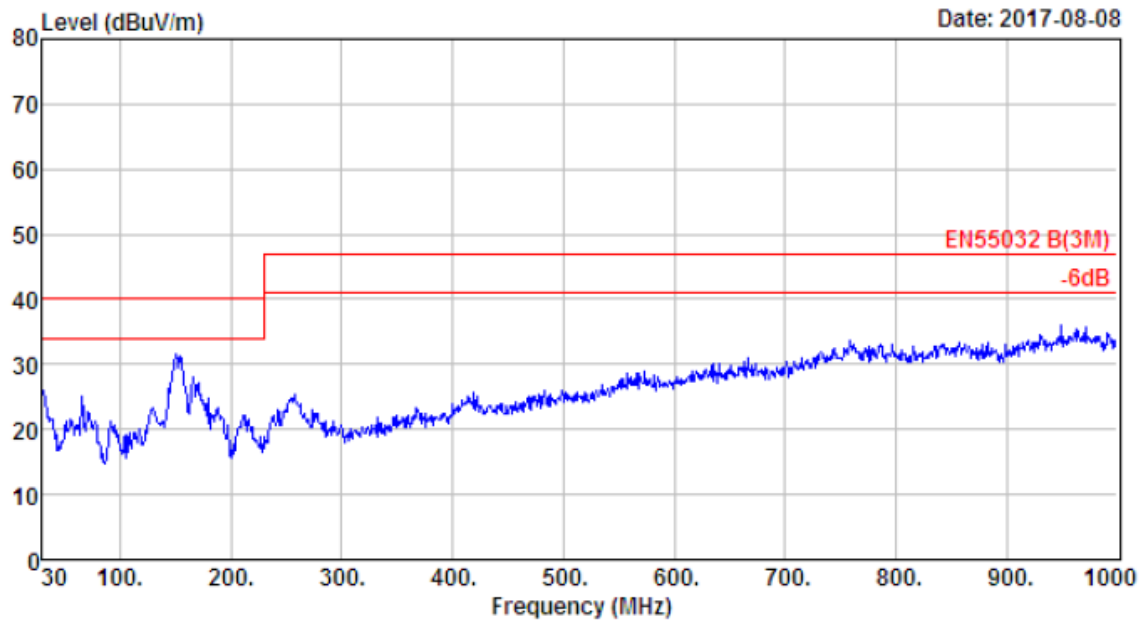
Site no.	: 2# 966 chamber	Data no.	: 128
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



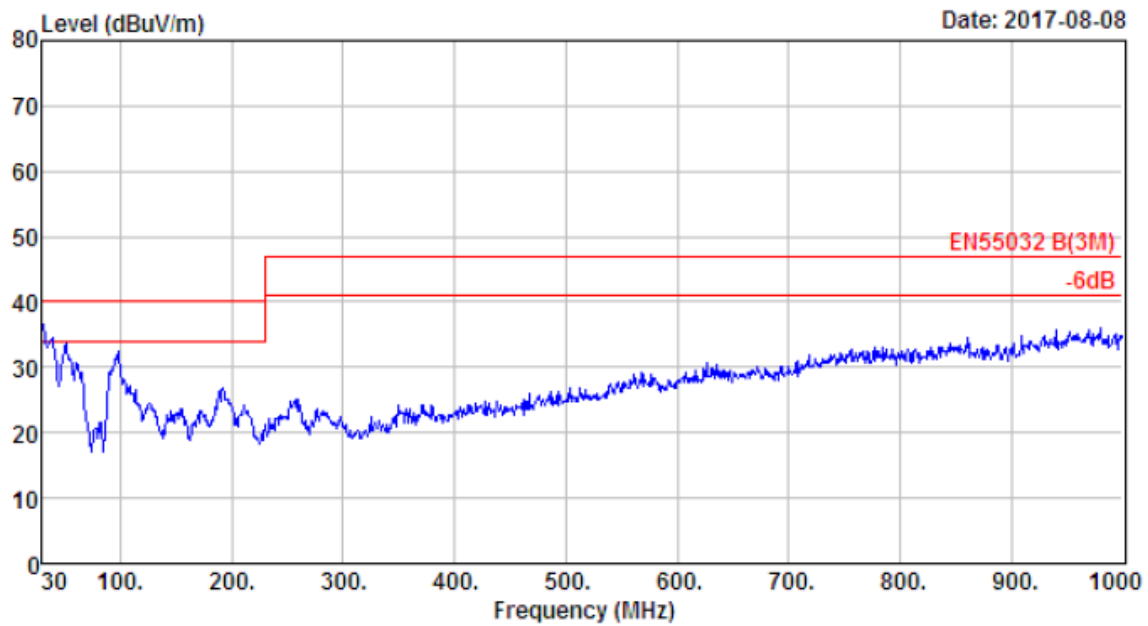
Site no.	: 2# 966 chamber	Data no.	: 129
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y		



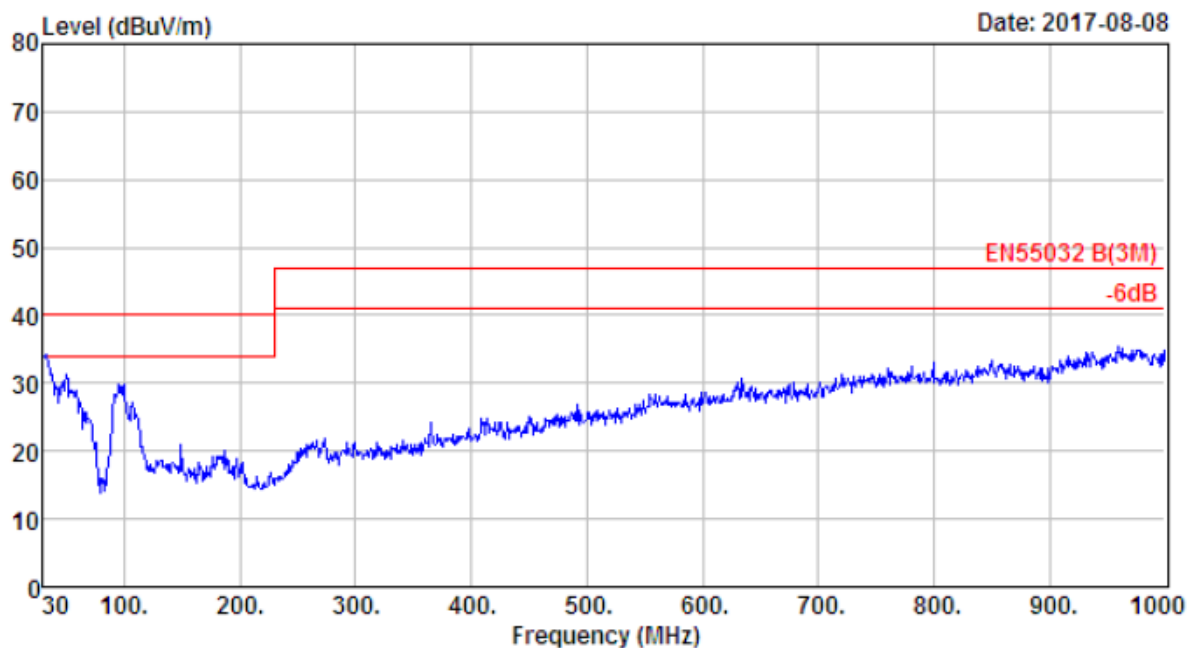
Site no.	: 2# 966 chamber	Data no.	: 130
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y		



Site no.	: 2# 966 chamber	Data no.	: 131
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y		

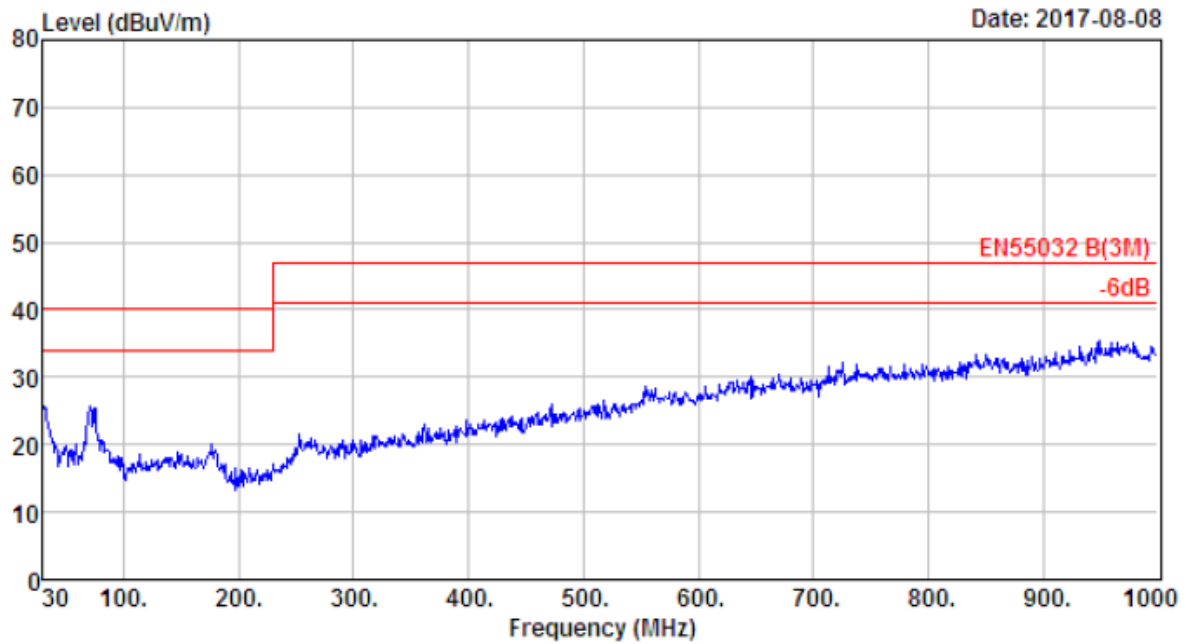


Site no.	: 2# 966 chamber	Data no.	: 132
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y		

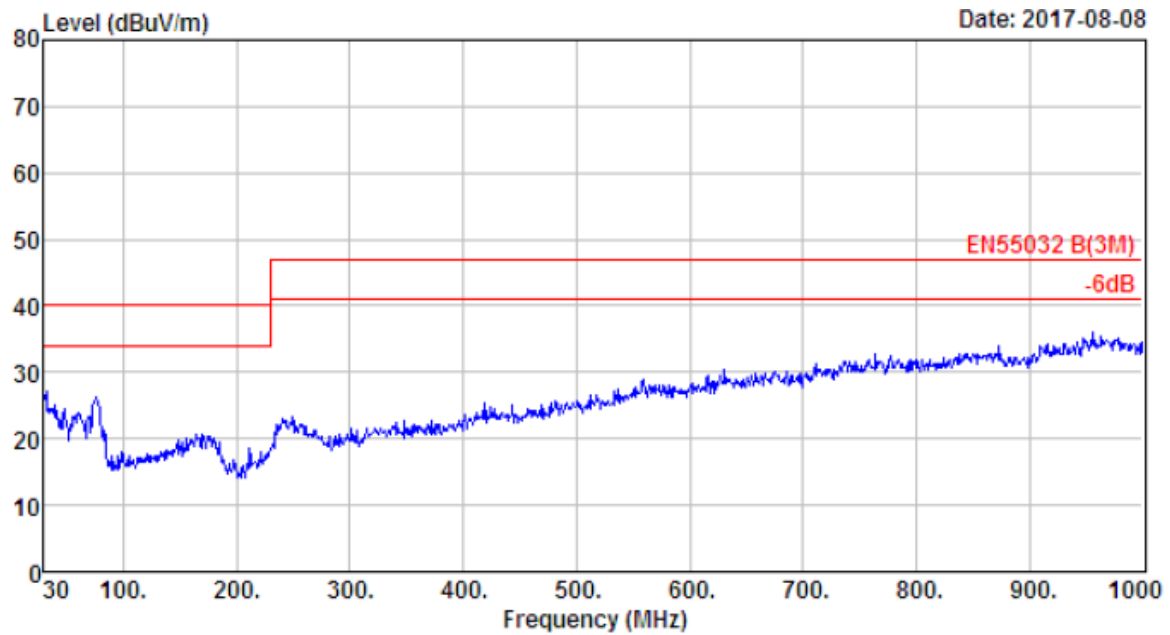


Site no.	: 2# 966 chamber	Data no.	: 133
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		

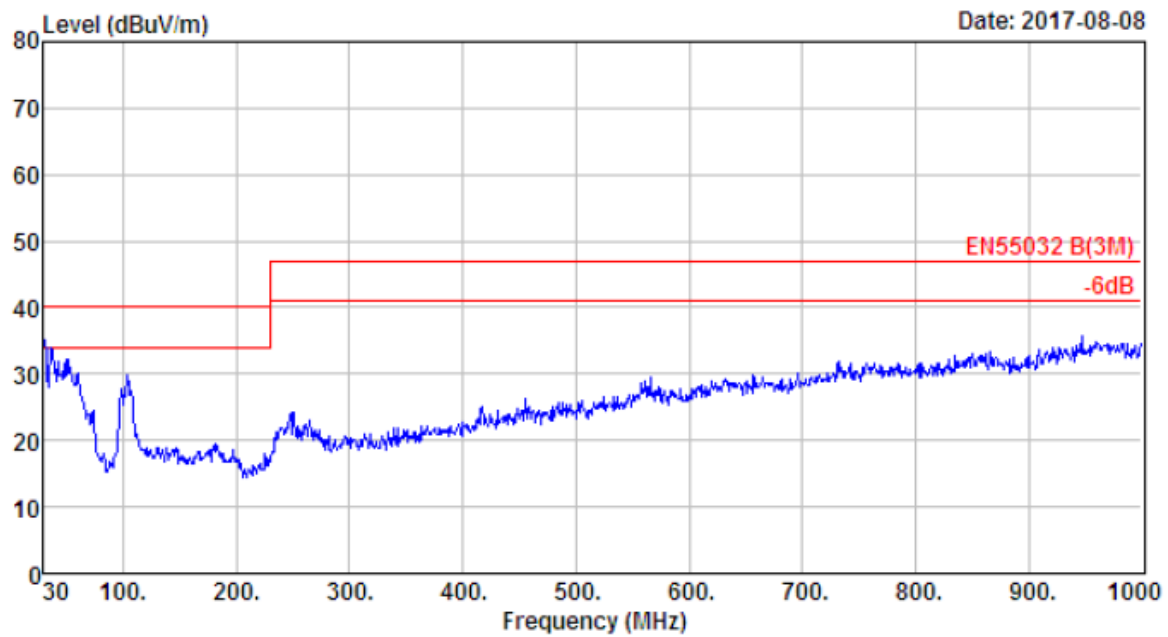




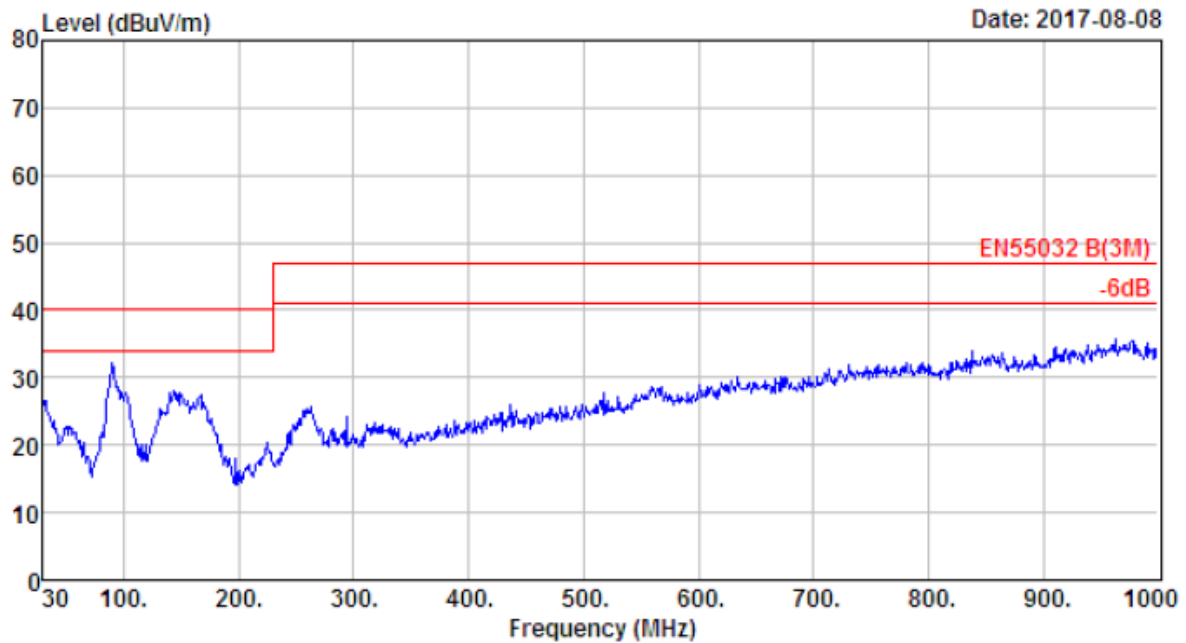
Site no.	: 2# 966 chamber	Data no.	: 134
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		



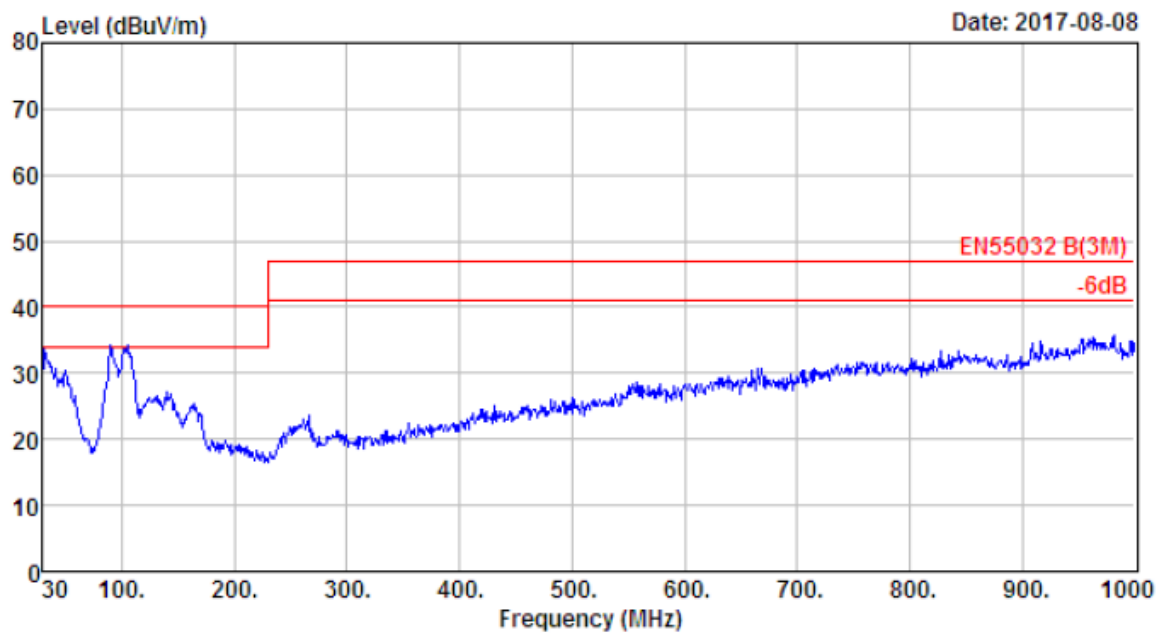
Site no.	: 2# 966 chamber	Data no.	: 135
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		



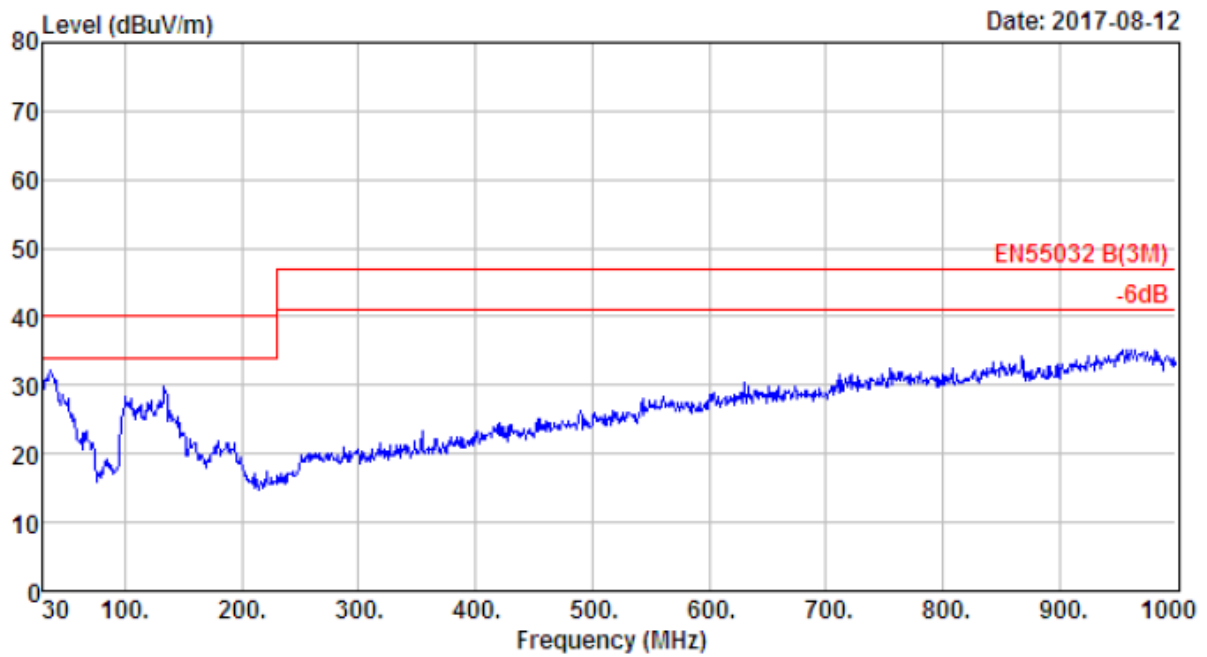
Site no.	: 2# 966 chamber	Data no.	: 136
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20173301970		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		



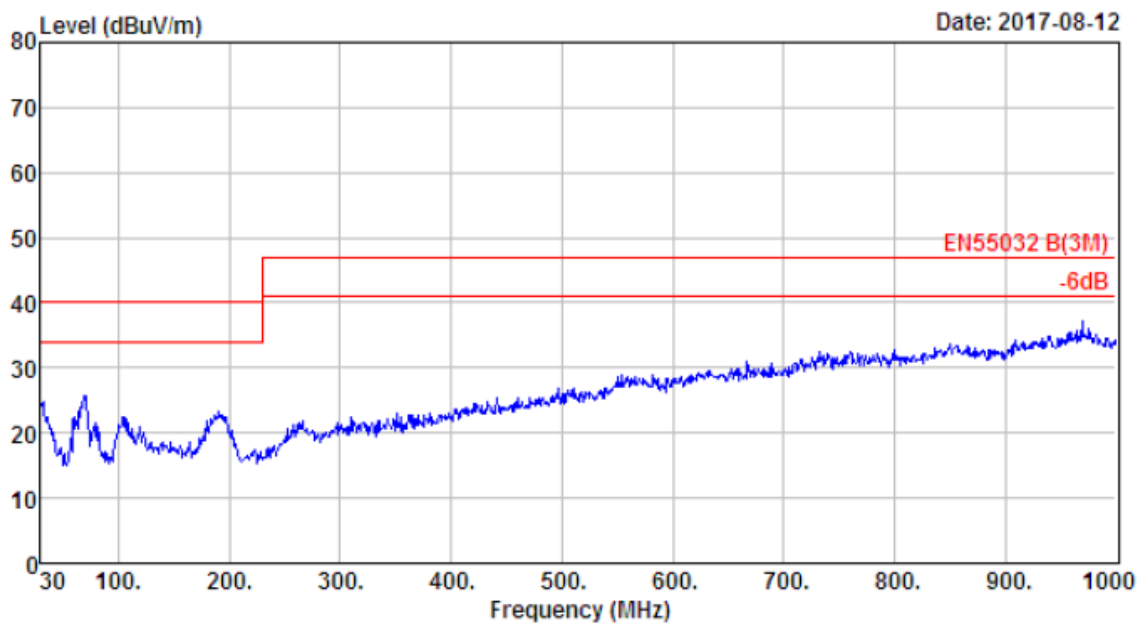
Site no.	: 2# 966 chamber	Data no.	: 139
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y		



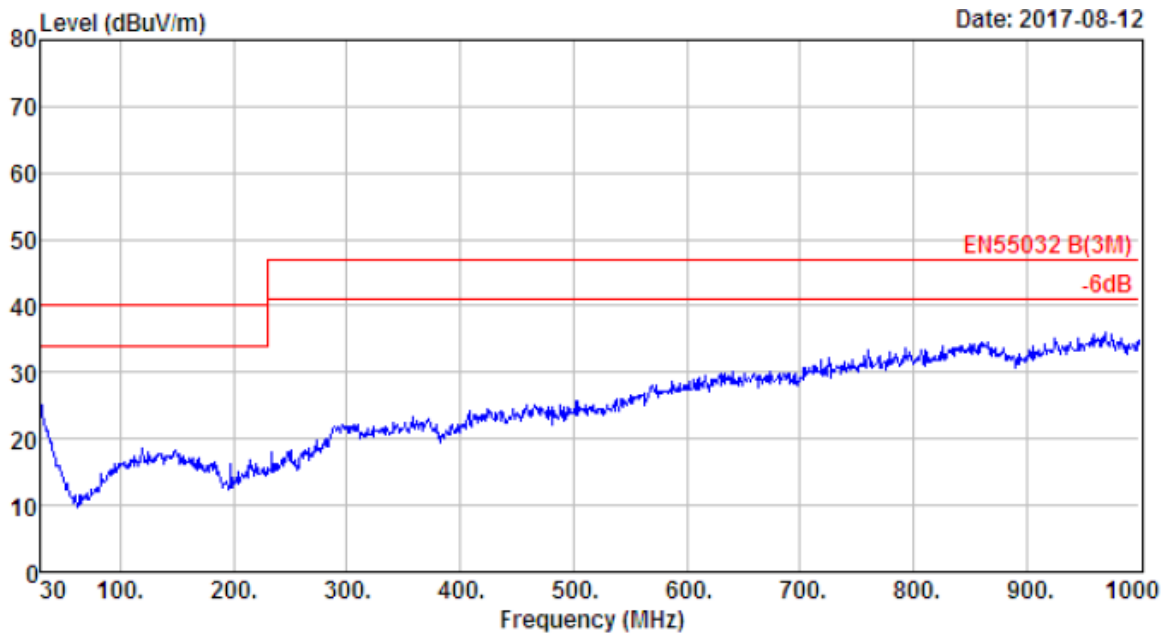
Site no.	: 2# 966 chamber	Data no.	: 140
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y		



Site no.	: 2# 966 chamber	Data no.	: 141
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Half Load(Output:54V/0.6A)		
	Y		

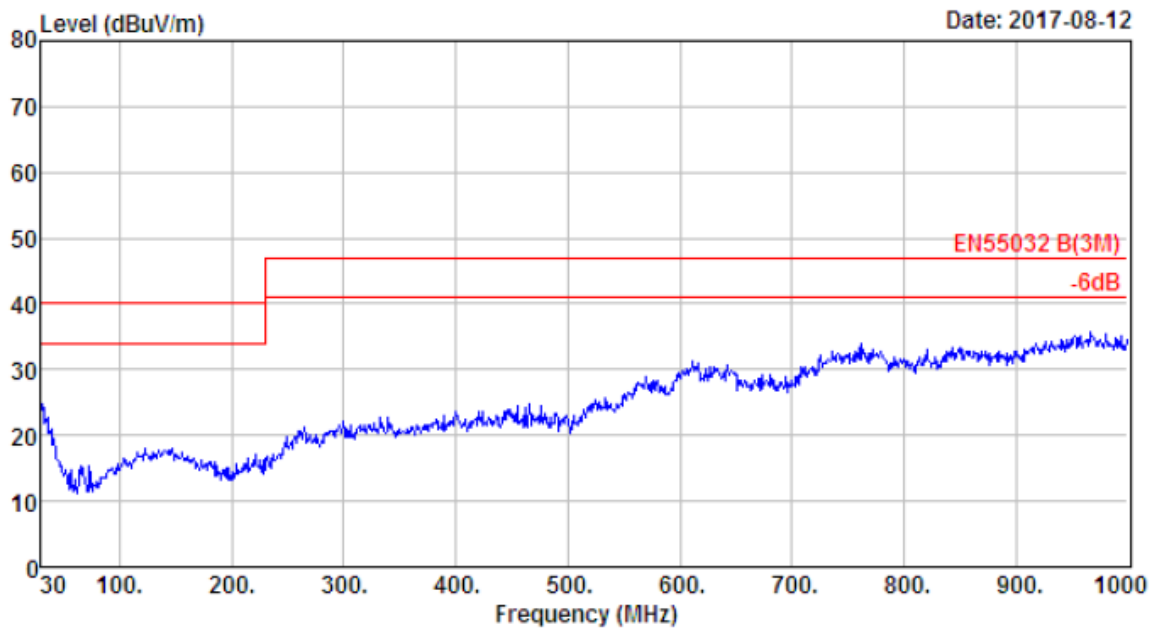


Site no.	: 2# 966 chamber	Data no.	: 142
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: Half Load(Output:54V/0.6A)		
	Y		

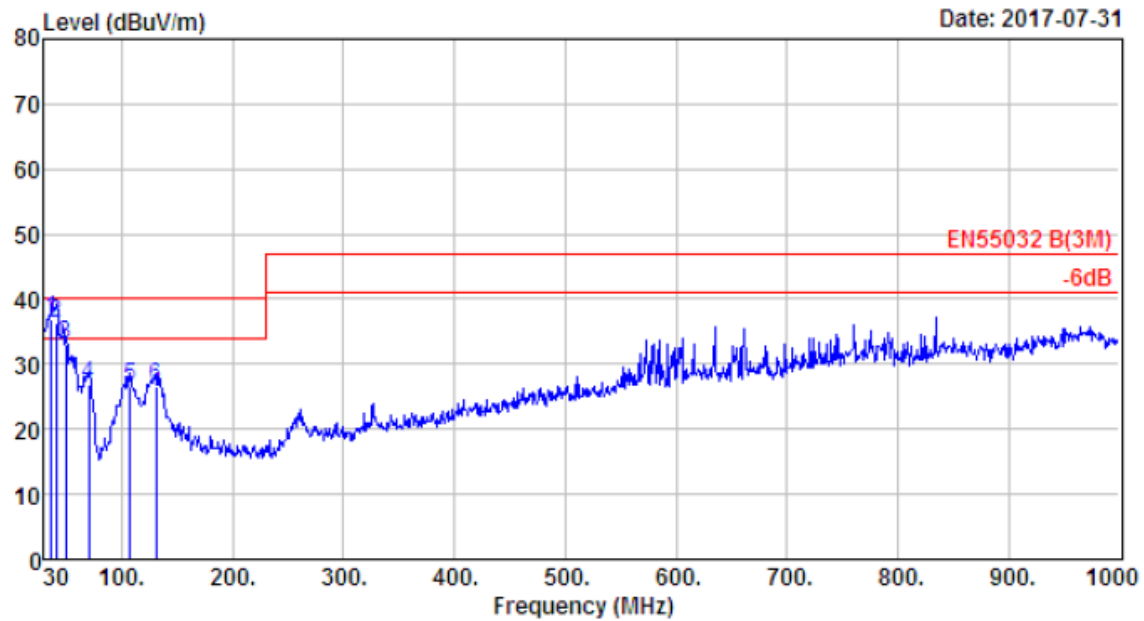


Site no.	: 2# 966 chamber	Data no.	: 143
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: No Load		



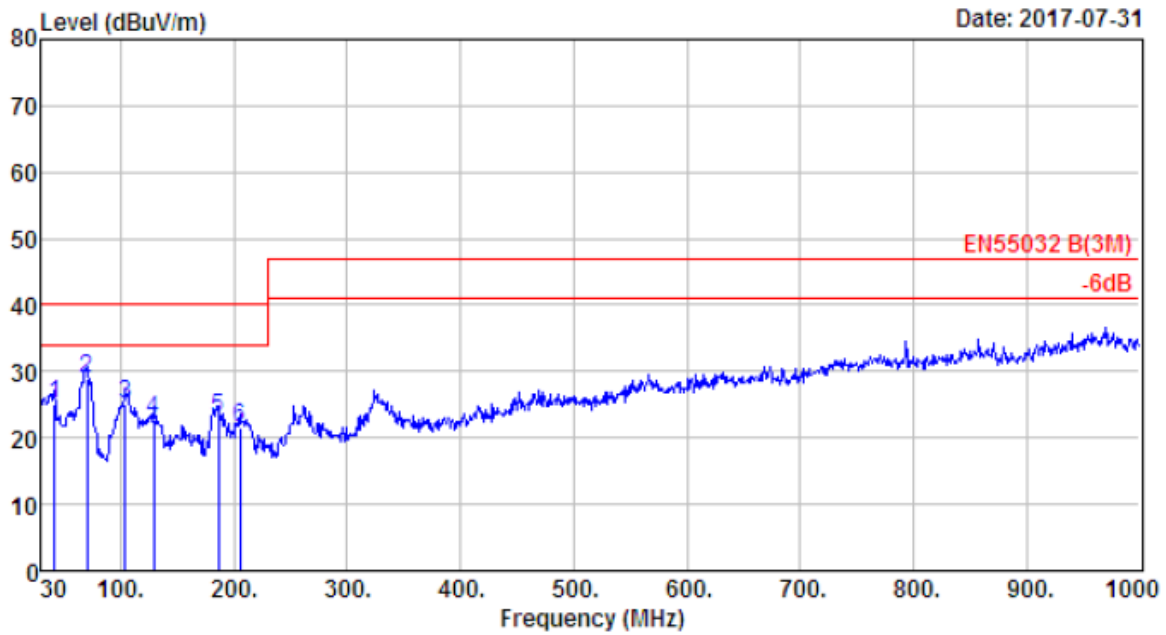


Site no.	: 2# 966 chamber	Data no.	: 144
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200		
Test Mode	: No Load		



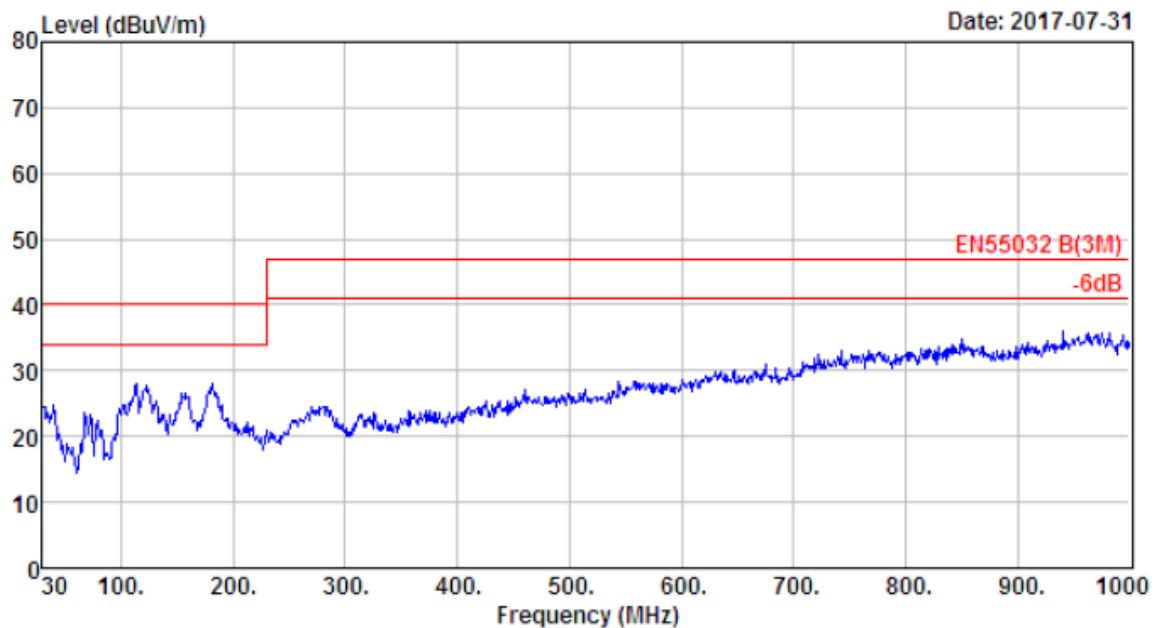
Site no. : 2# 966 chamber Data no. : 9  
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
 Y+Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	36.790	14.59	1.05	21.20	36.84	40.00	3.16	QP
2	40.670	12.31	1.16	22.70	36.17	40.00	3.83	QP
3	49.400	8.11	1.17	23.81	33.09	40.00	6.91	QP
4	69.770	5.52	0.91	20.49	26.92	40.00	13.08	QP
5	107.600	10.26	1.50	14.75	26.51	40.00	13.49	QP
6	130.880	11.22	1.58	13.84	26.64	40.00	13.36	QP

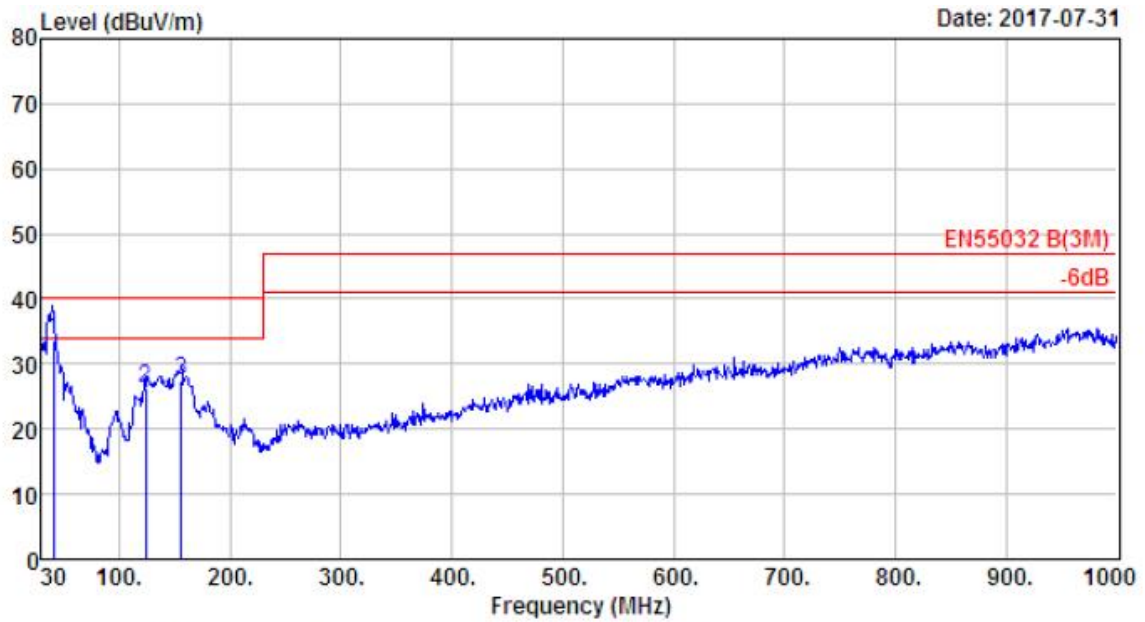


Site no. : 2# 966 chamber                      Data no. : 10  
 Dis. / Ant. : 3m 37062                      Ant. pol. : HORIZONTAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20175401200D  
 Test Mode : Full Load(Output:54V/1.2A)  
                  Y+Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	41.640	11.73	1.18	12.13	25.04	40.00	14.96	QP
2	69.770	5.52	0.91	22.37	28.80	40.00	11.20	QP
3	103.720	9.94	1.59	13.59	25.12	40.00	14.88	QP
4	128.940	11.20	1.53	10.02	22.75	40.00	17.25	QP
5	186.170	8.36	1.96	12.61	22.93	40.00	17.07	QP
6	205.570	8.09	1.91	11.58	21.58	40.00	18.42	QP



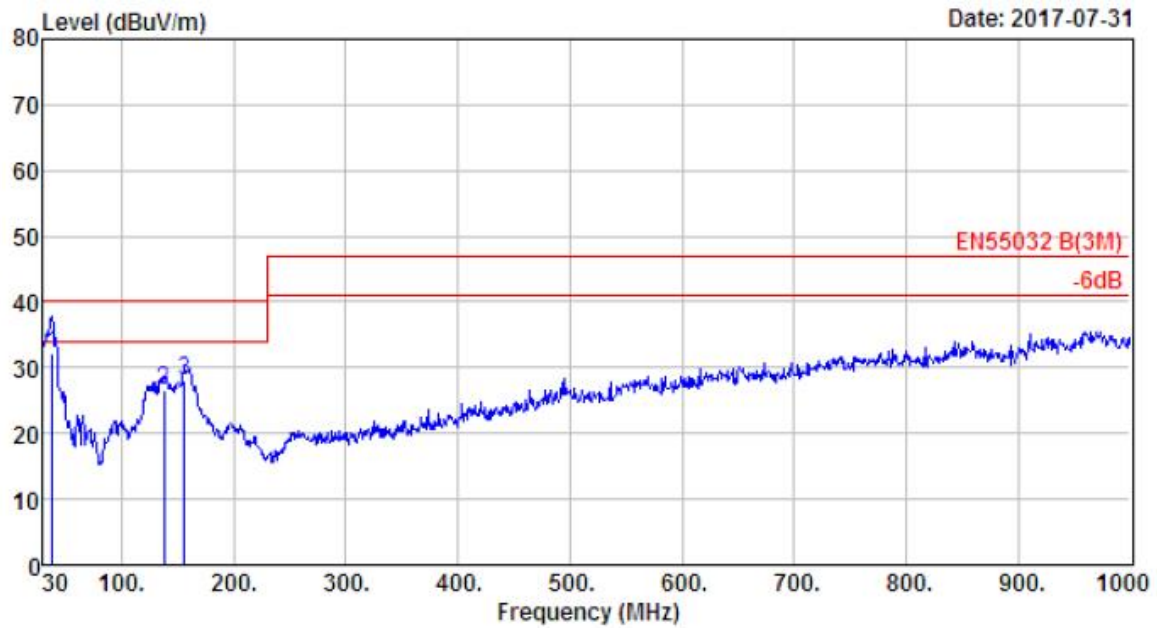
Site no.	: 2# 966 chamber	Data no.	: 1
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000D		
Test Mode	: Full Load(Output:9V/6A)		
	Y+Y		



Site no. : 2# 966 chamber  
 Dis. / Ant. : 3m 37062  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
 Y+Y

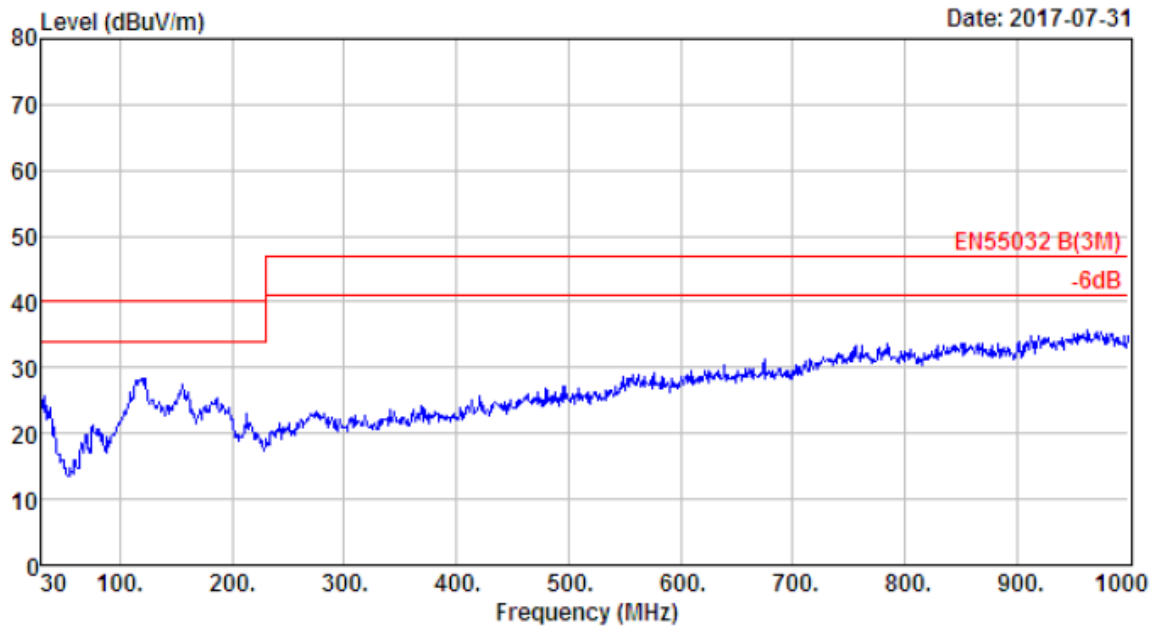
Data no. : 2  
Ant. pol. : VERTICAL

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	40.540	12.31	1.16	20.09	33.56	40.00	6.44	QP
2	124.090	11.22	1.41	13.50	26.13	40.00	13.87	QP
3	156.100	10.41	1.81	15.31	27.53	40.00	12.47	QP

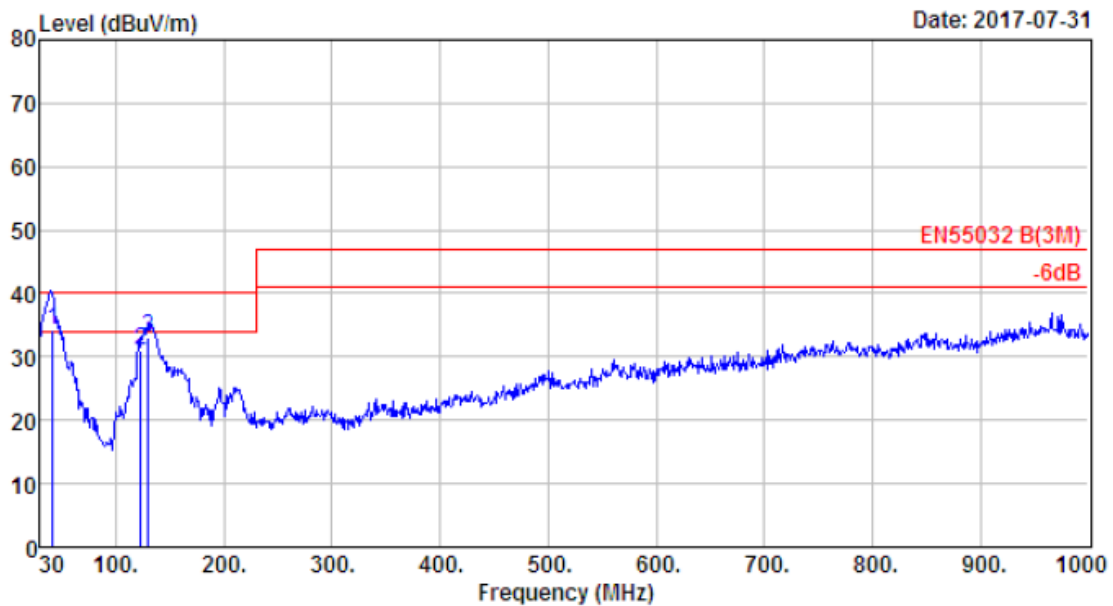


Site no. : 2# 966 chamber                      Data no. : 3  
 Dis. / Ant. : 3m 37062                      Ant. pol. : VERTICAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20170906000D  
 Test Mode : Full Load(Output:9V/6A)  
                  Y+Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	38.450	13.53	1.08	17.70	32.31	40.00	7.69	QP
2	137.670	11.28	1.69	13.69	26.66	40.00	13.34	QP
3	156.100	10.41	1.81	15.82	28.04	40.00	11.96	QP



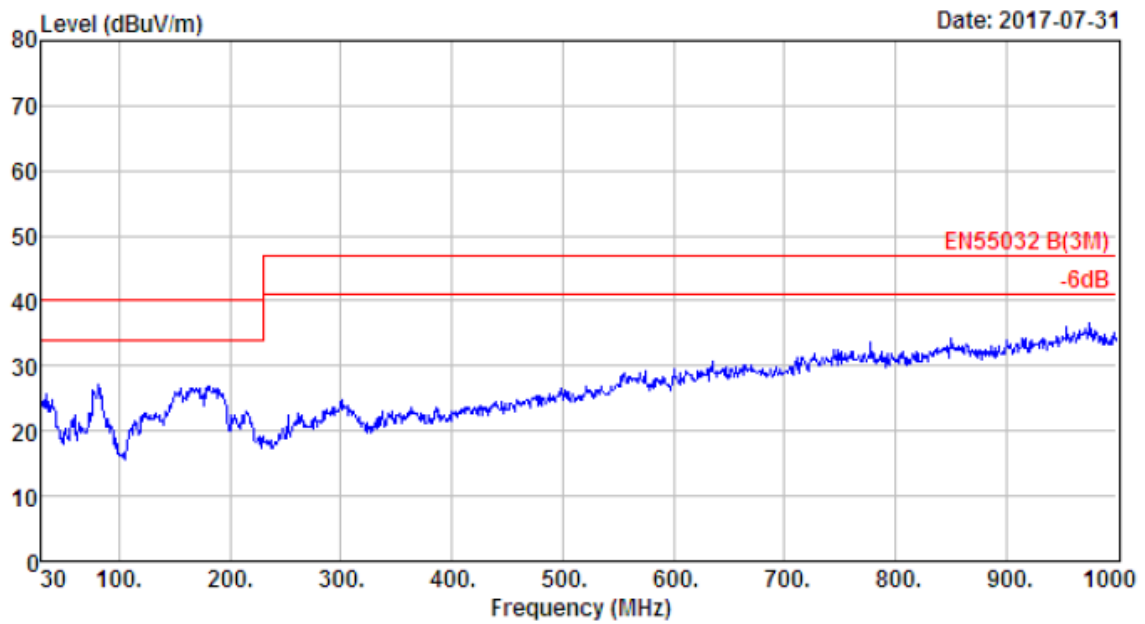
Site no.	: 2# 966 chamber	Data no.	: 4
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000D		
Test Mode	: Full Load(Output:9V/6A)		
	Y+Y		



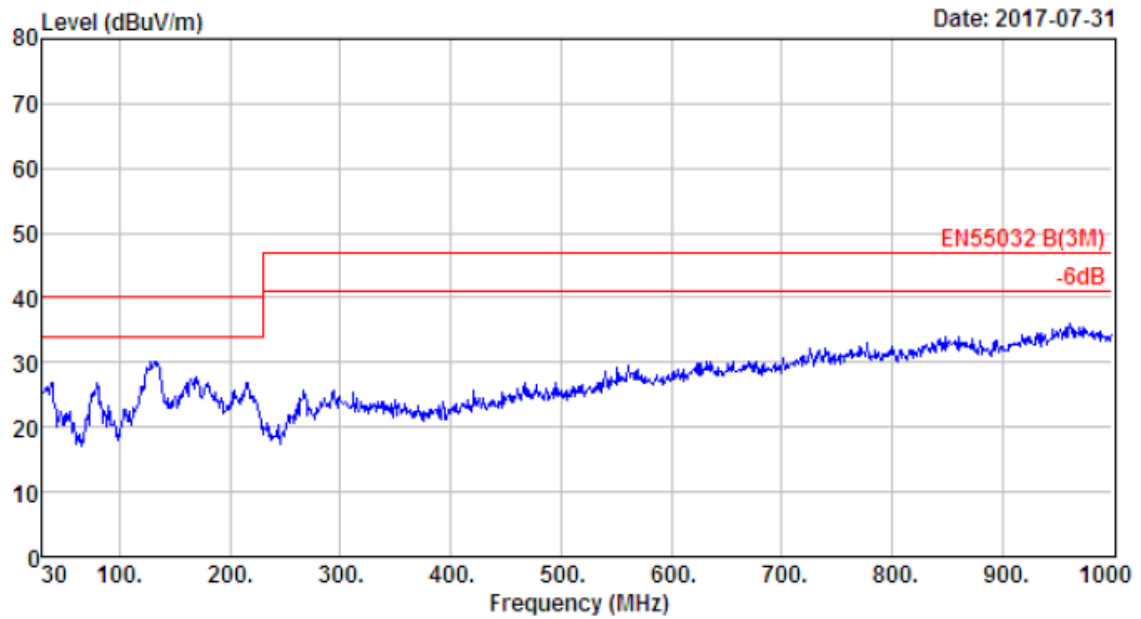
Site no. : 2# 966 chamber Data no. : 5  
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
 Y+Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	41.670	11.73	1.18	21.20	34.11	40.00	5.89	QP
2	123.120	11.19	1.37	18.34	30.90	40.00	9.10	QP
3	129.910	11.19	1.61	20.35	33.15	40.00	6.85	QP

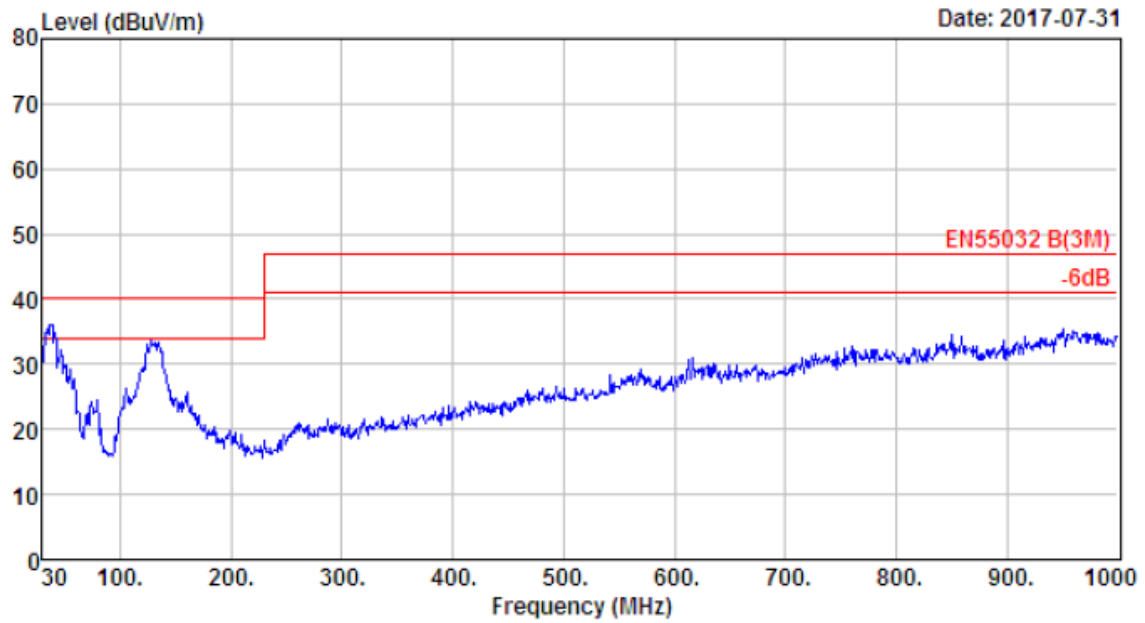




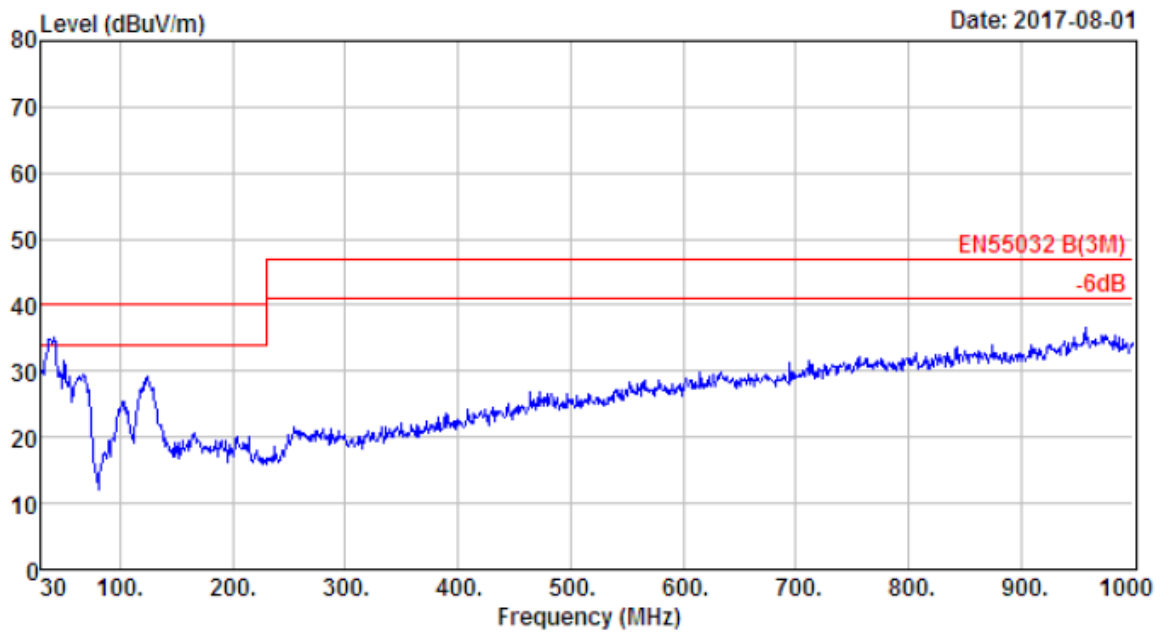
Site no.	: 2# 966 chamber	Data no.	: 6
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20173301970D		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		



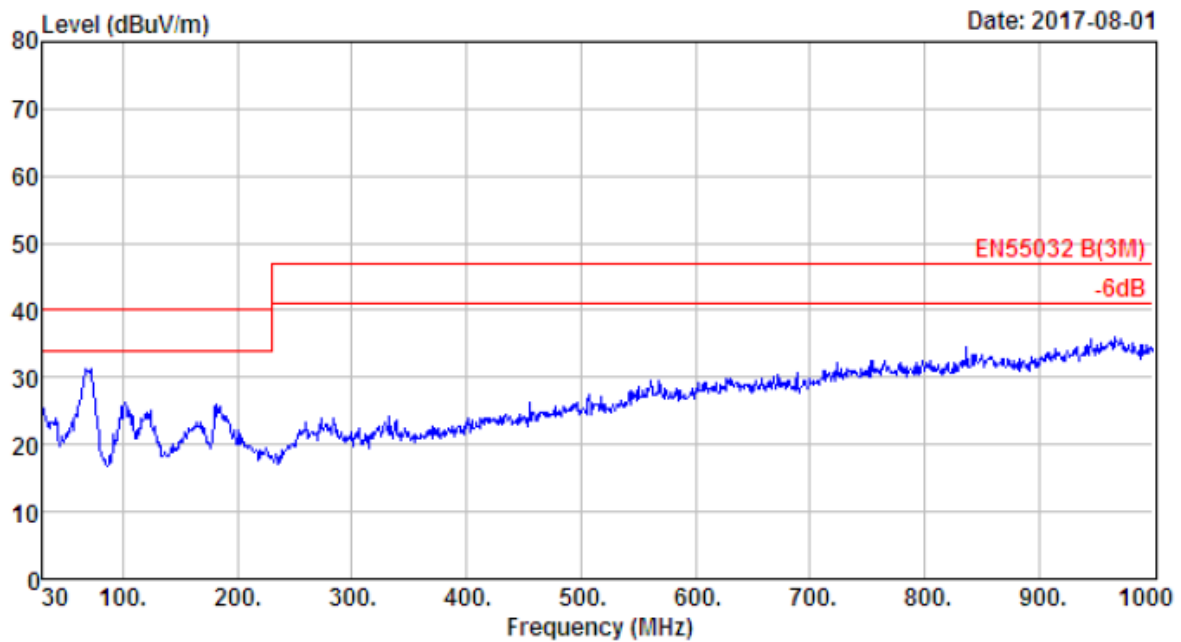
Site no.	: 2# 966 chamber	Data no.	: 7
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970D		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		



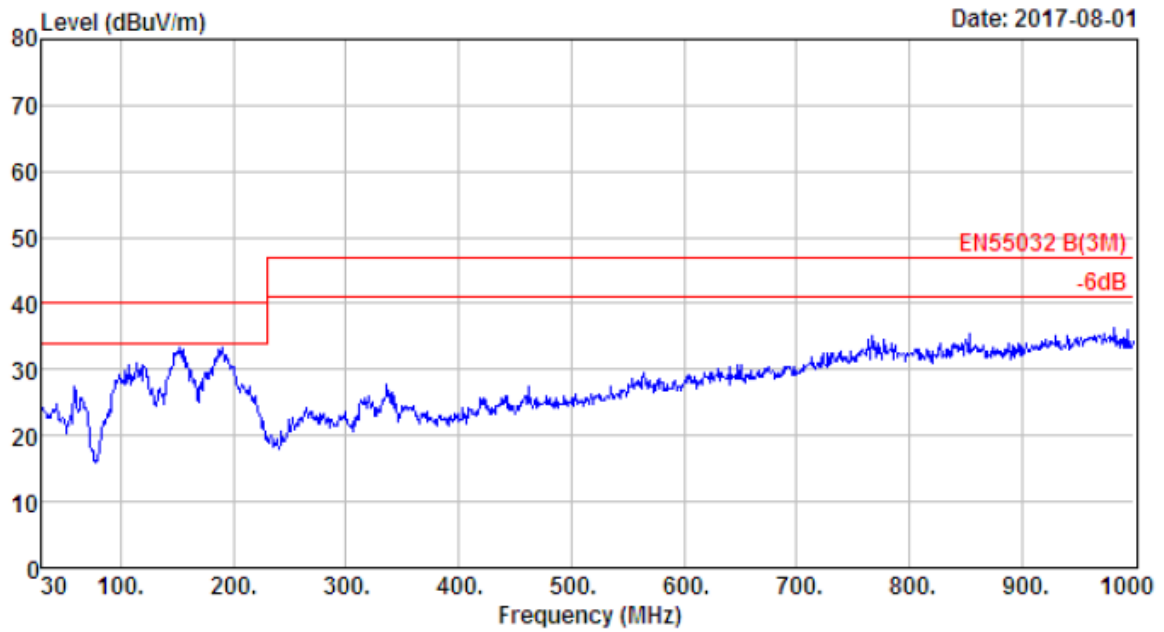
Site no.	: 2# 966 chamber	Data no.	: 8
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970D		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y+Y		



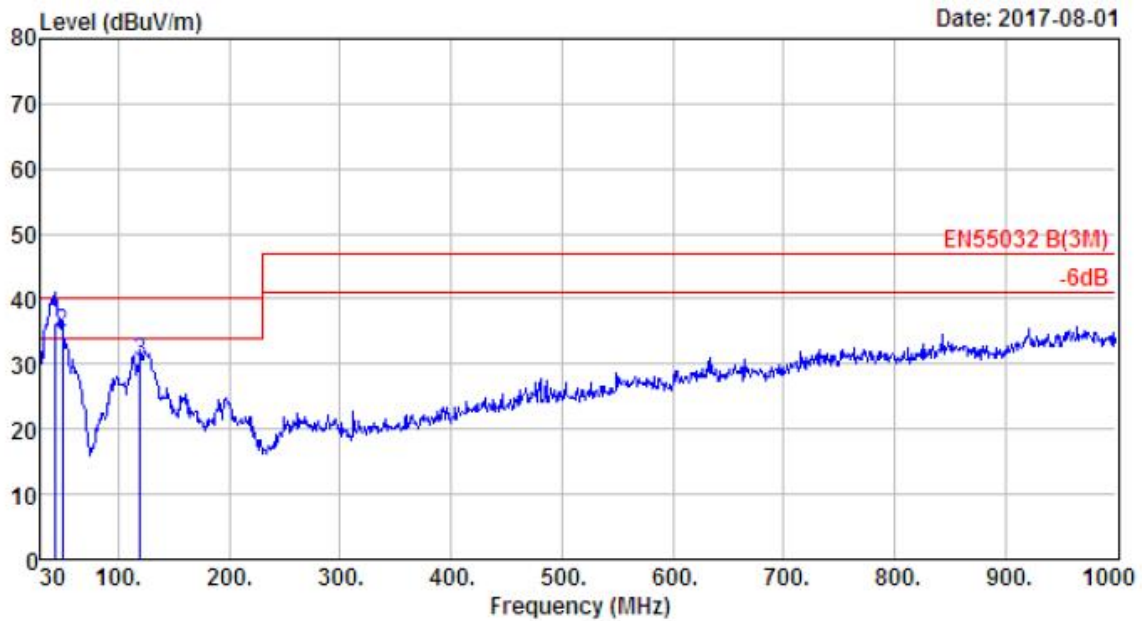
Site no.	: 2# 966 chamber	Data no.	: 11
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y+Y		



Site no.	: 2# 966 chamber	Data no.	: 12
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y+Y		

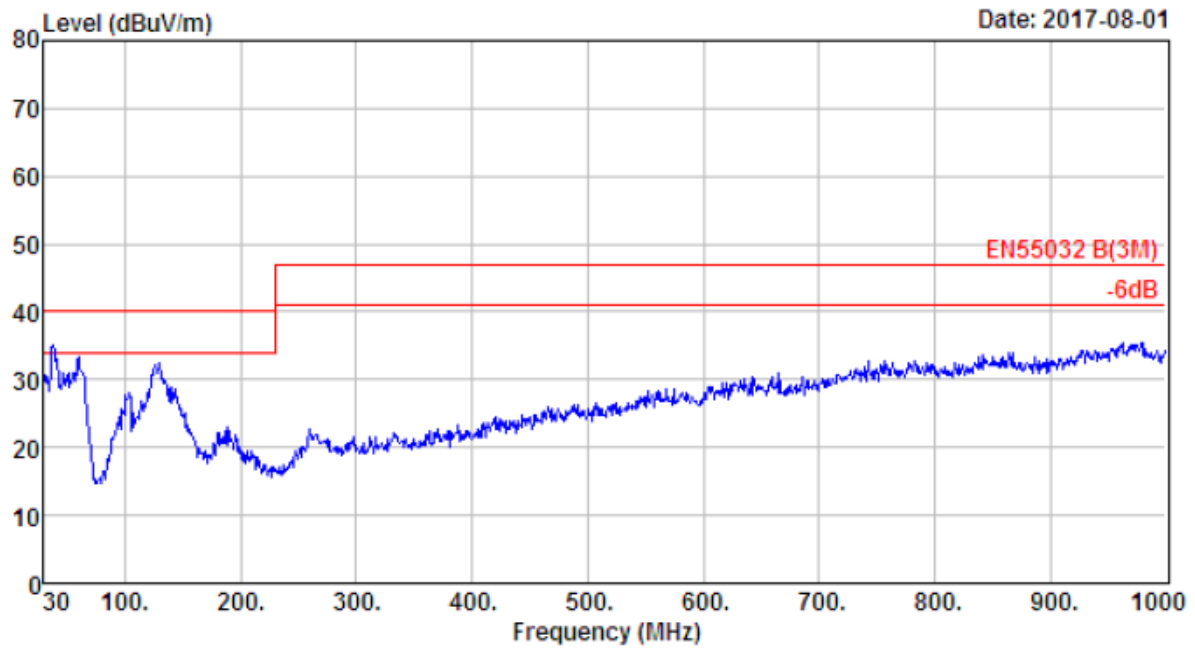


Site no.	: site	Data no.	: 13
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20171086000D		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		



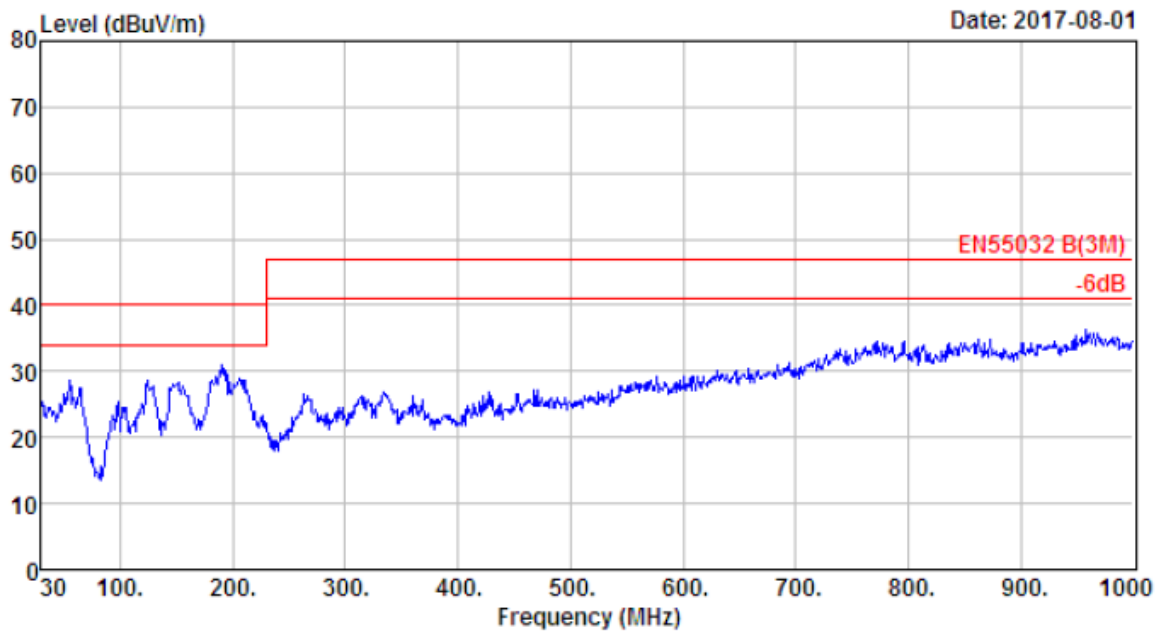
Site no. : 2# 966 chamber                      Data no. : 14  
 Dis. / Ant. : 3m 37062                      Ant. pol. : VERTICAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
                  Y+Y

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.300	10.72	1.17	24.40	36.29	40.00	3.71	QP
2	49.400	8.11	1.17	25.47	34.75	40.00	5.25	QP
3	119.240	11.09	1.37	17.84	30.30	40.00	9.70	QP

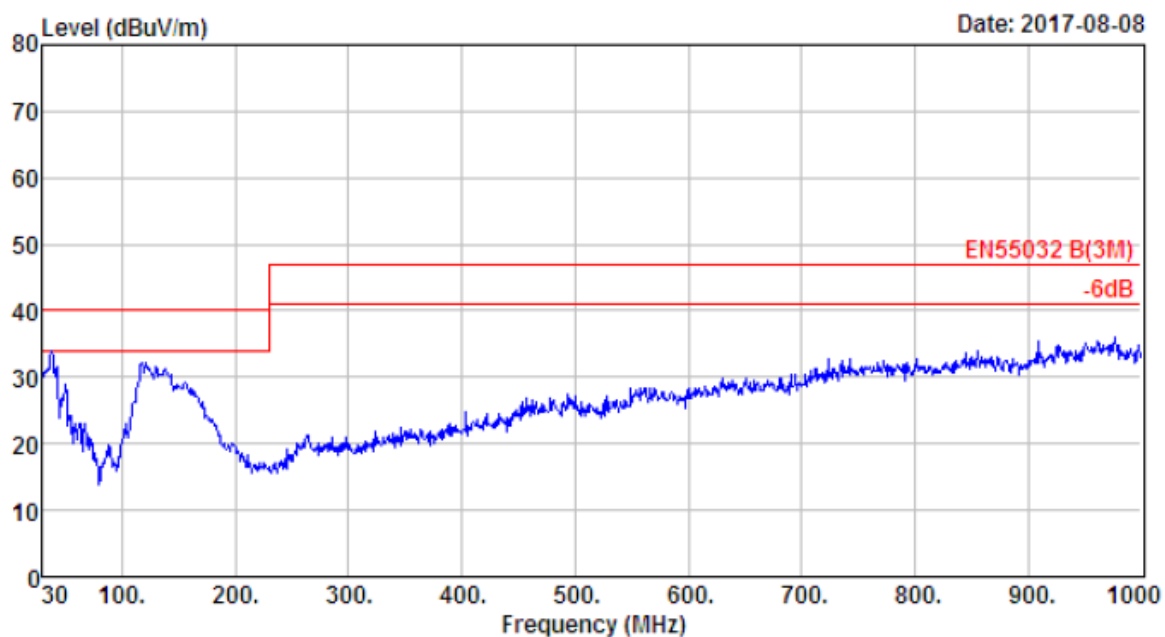


Site no.	: 2# 966 chamber	Data no.	: 15
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000D		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		

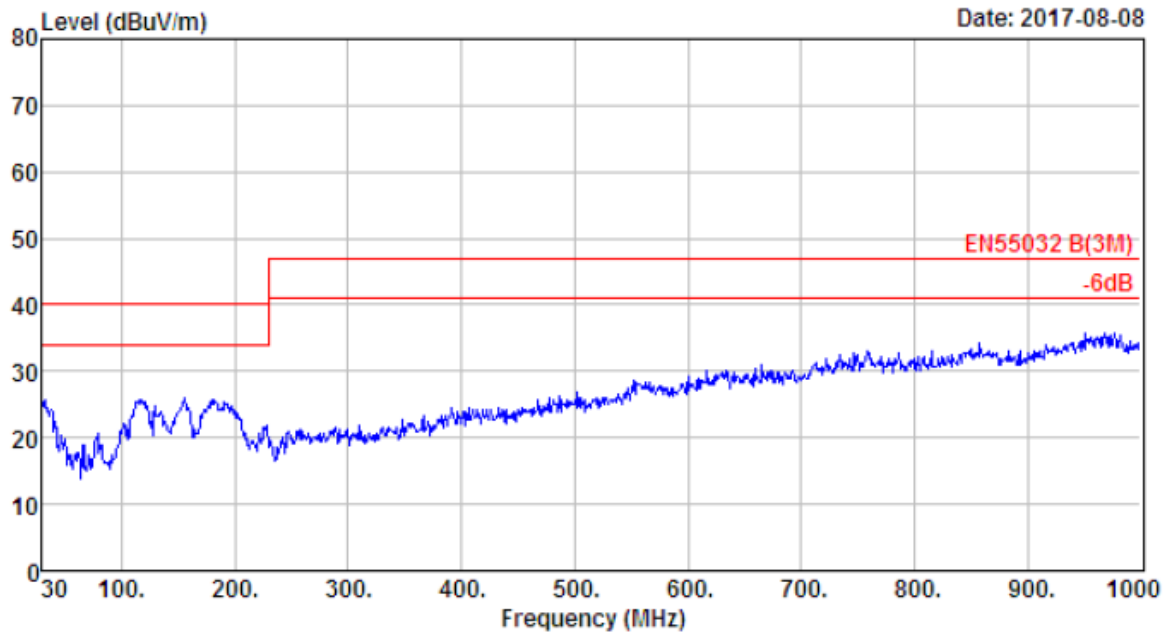




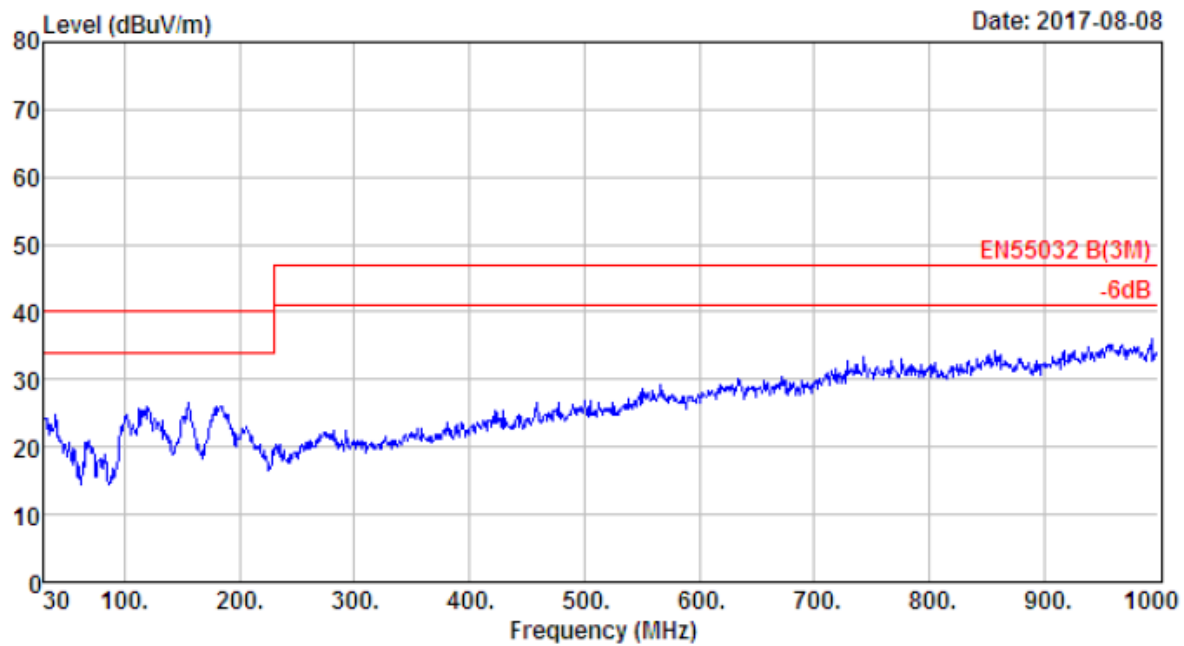
Site no.	: 2# 966 chamber	Data no.	: 16
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000D		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y+Y		



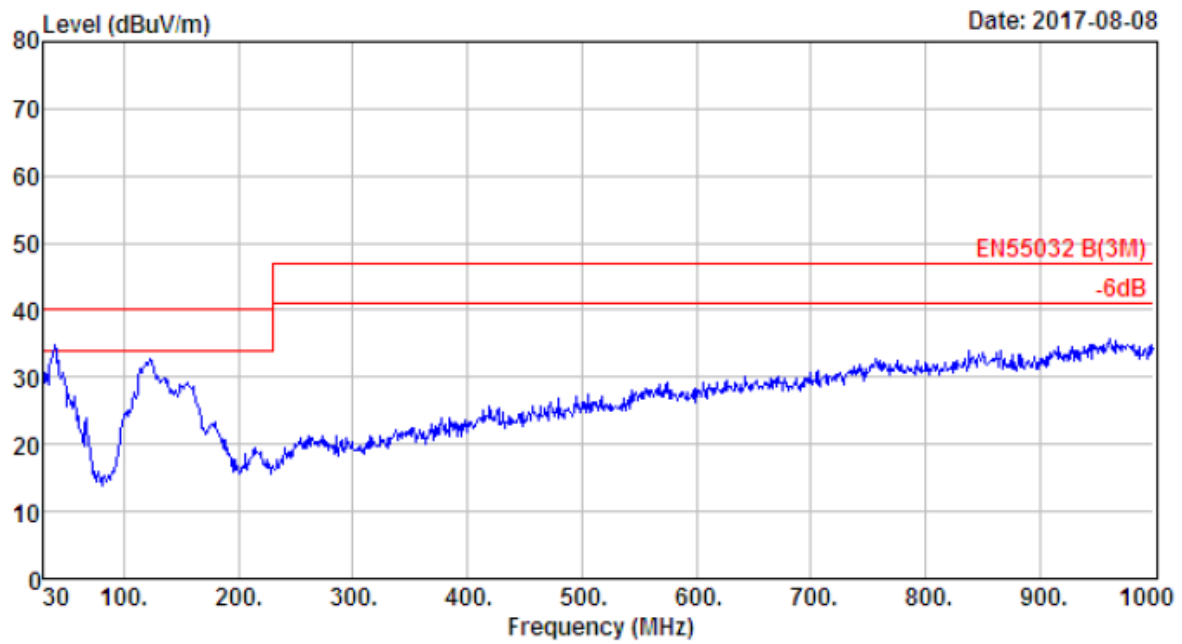
Site no.	: 2# 966 chamber	Data no.	: 17
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000D		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



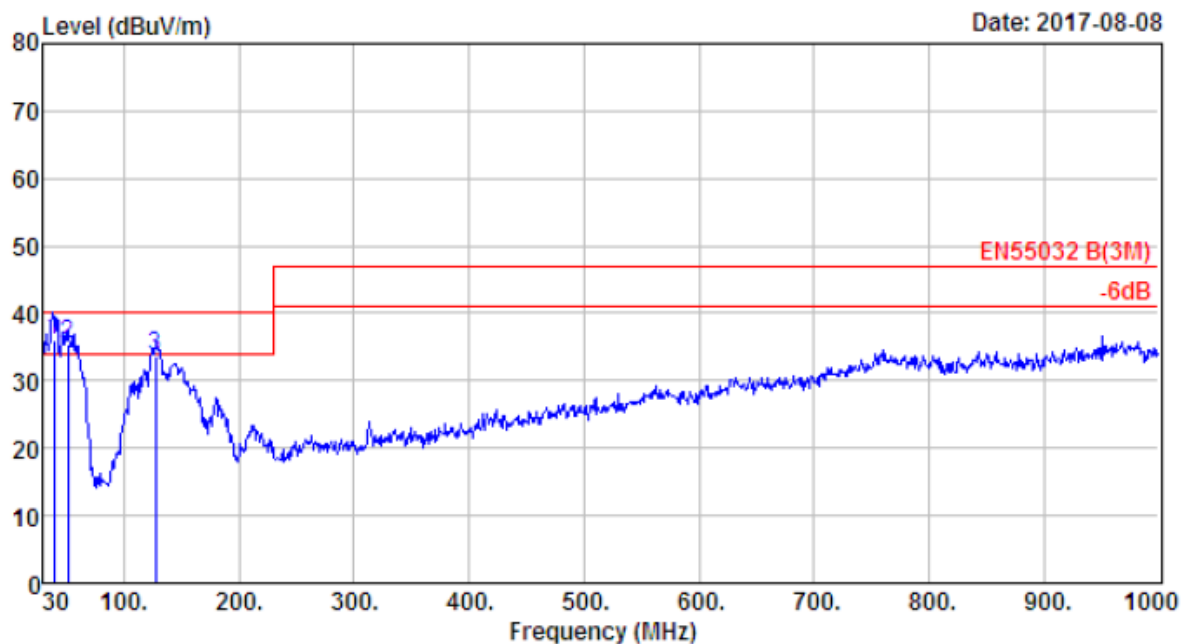
Site no.	: 2# 966 chamber	Data no.	: 18
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20170906000D		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



Site no.	: 2# 966 chamber	Data no.	: 19
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000D		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



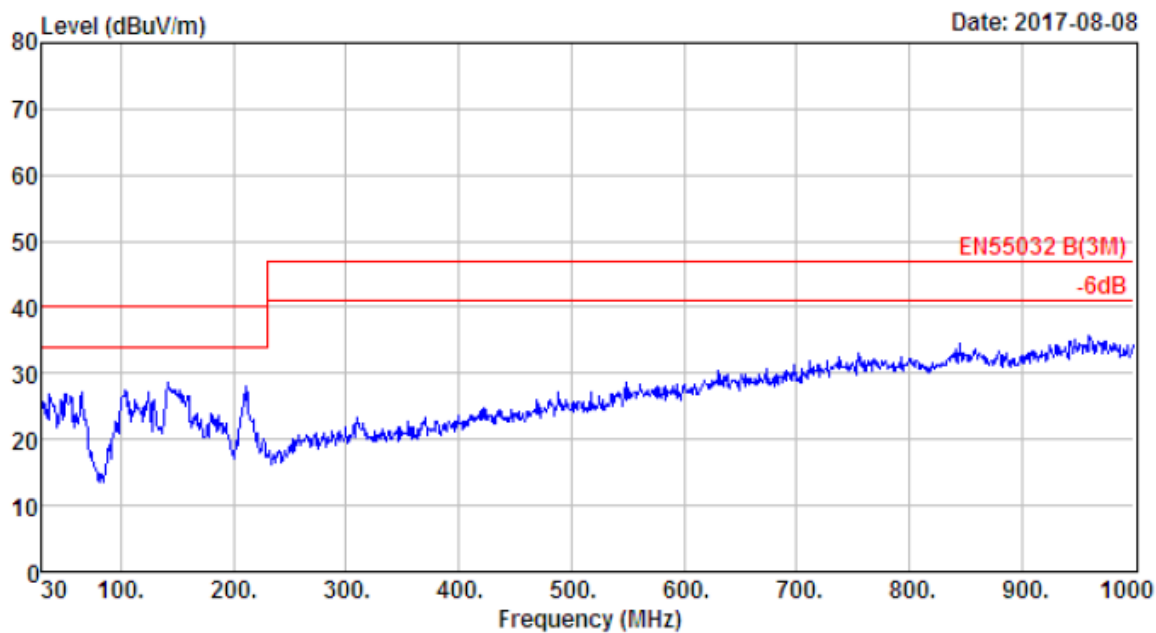
Site no.	: 2# 966 chamber	Data no.	: 20
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20170906000D		
Test Mode	: Full Load(Output:9V/6A)		
	Y		



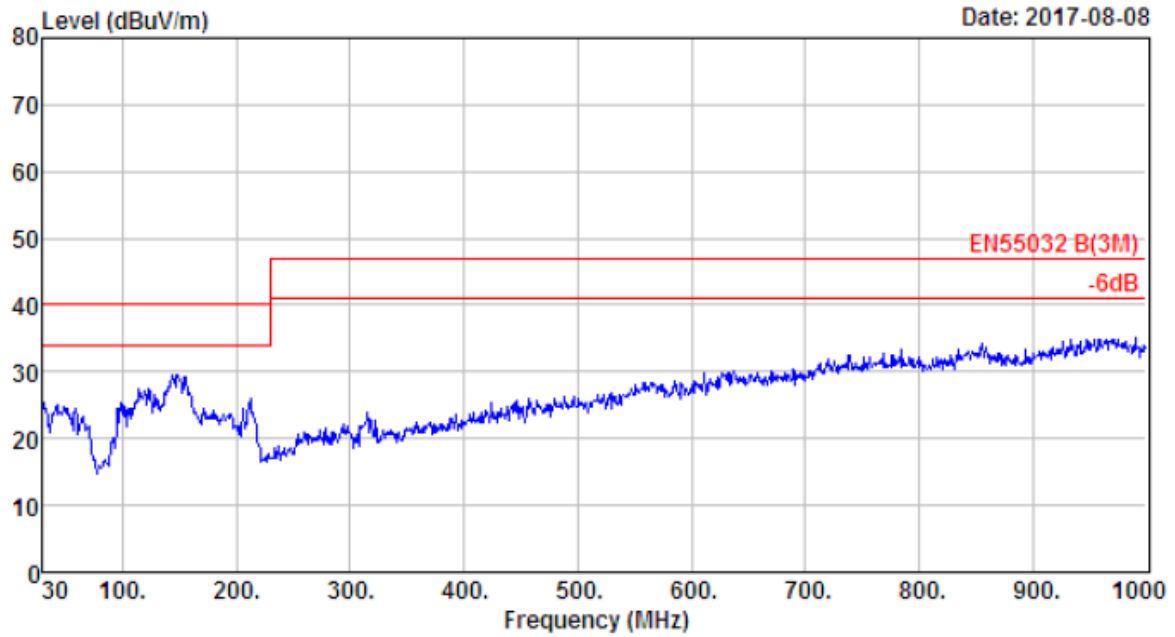
Site no. : 2# 966 chamber  
 Dis. / Ant. : 3m 37062  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 230V/50Hz  
 M/N : FJ-SW20171086000D  
 Test Mode : Full Load(Output:10.8V/6A)  
 Y

Data no. : 21  
Ant. pol. : VERTICAL

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	38.580	13.53	1.08	21.30	35.91	40.00	4.09	QP
2	51.340	7.11	1.38	26.93	35.42	40.00	4.58	QP
3	127.000	11.22	1.47	20.93	33.62	40.00	6.38	QP

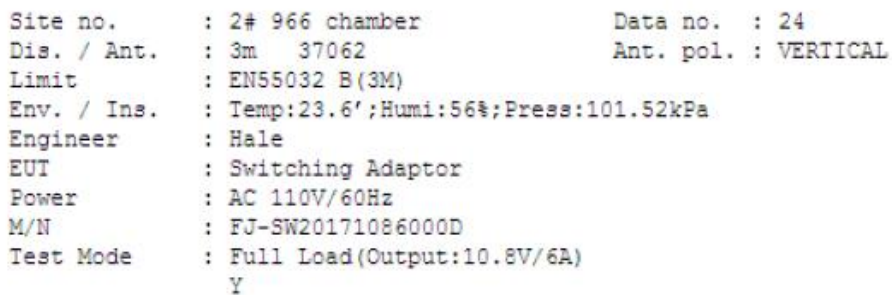


Site no.	: 2# 966 chamber	Data no.	: 22
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20171086000D		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y		

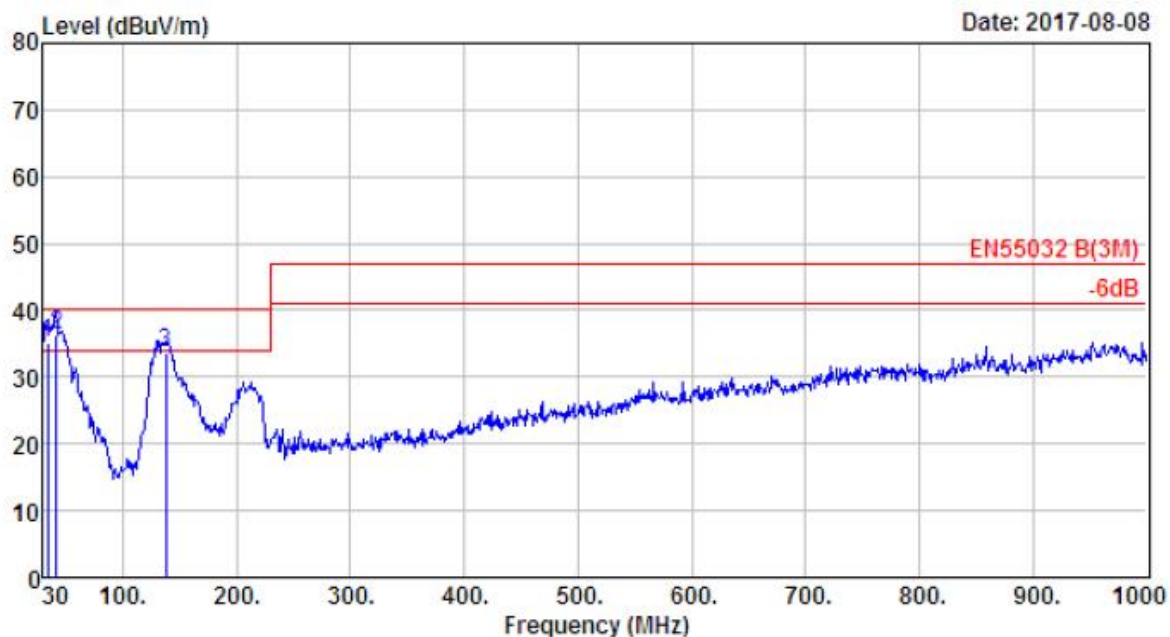


Site no.	: 2# 966 chamber	Data no.	: 23
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20171086000D		
Test Mode	: Full Load(Output:10.8V/6A)		
	Y		



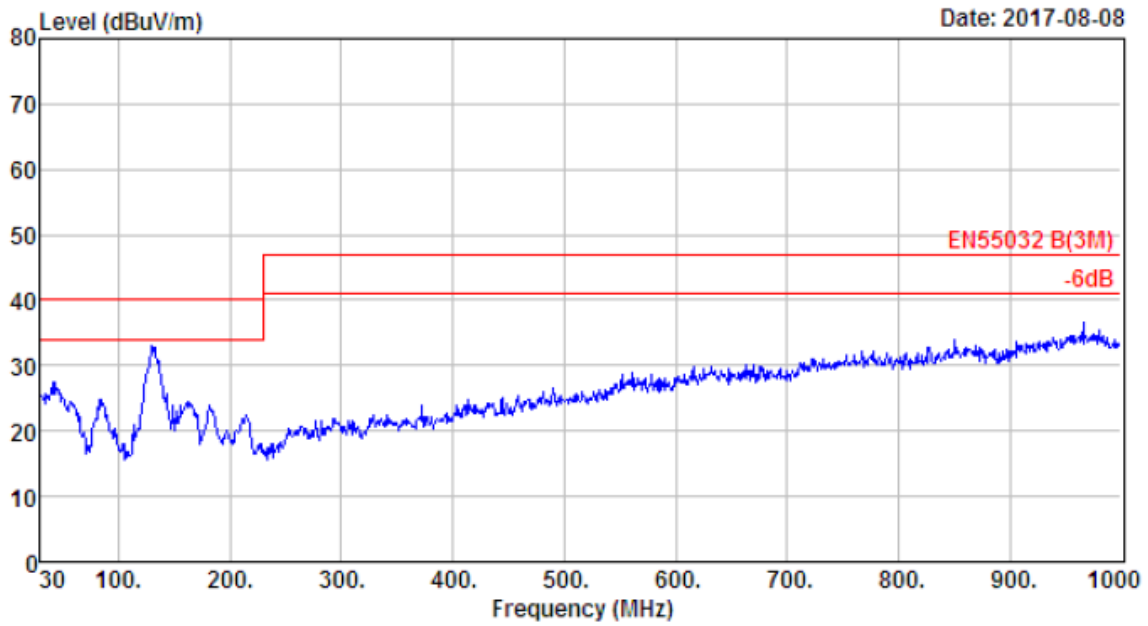


	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	42.730	11.23	1.18	23.99	36.40	40.00	3.60	QP
2	49.400	8.11	1.17	24.32	33.60	40.00	6.40	QP
3	123.120	11.19	1.37	20.64	33.20	40.00	6.80	QP

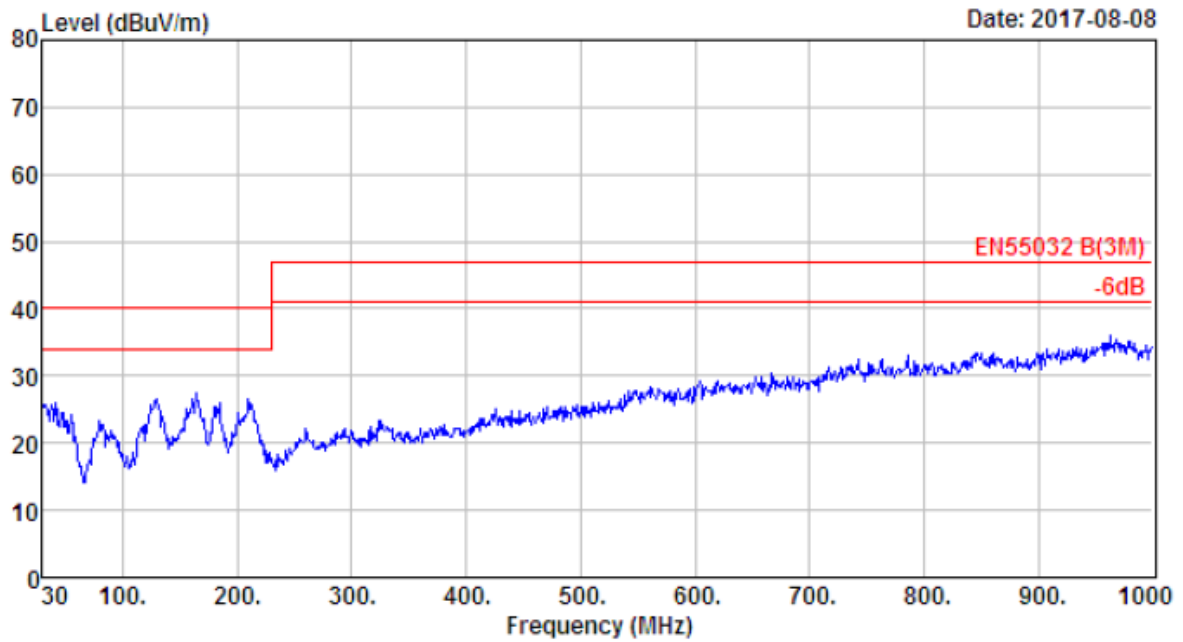


Site no. : 2# 966 chamber      Data no. : 25  
 Dis. / Ant. : 3m 37062      Ant. pol. : VERTICAL  
 Limit : EN55032 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa  
 Engineer : Hale  
 EUT : Switching Adaptor  
 Power : AC 110V/60Hz  
 M/N : FJ-SW20173301970D  
 Test Mode : Full Load(Output:33V/1.97A)  
                  Y

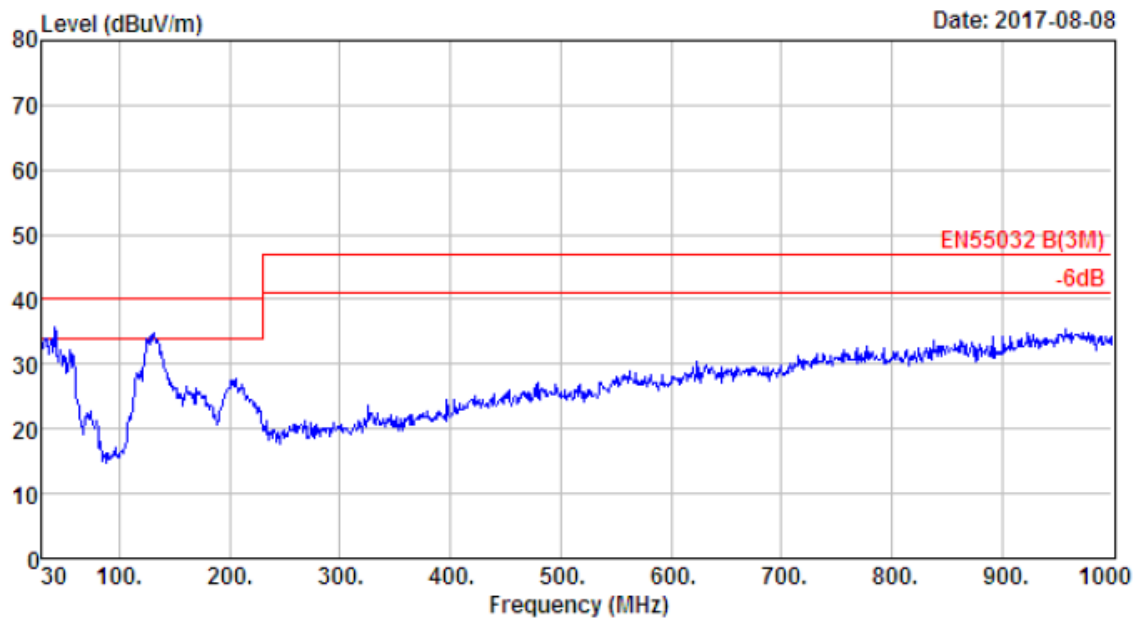
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.880	16.04	1.06	17.94	35.04	40.00	4.96	QP
2	41.840	11.73	1.18	23.50	36.41	40.00	3.59	QP
3	137.670	11.28	1.69	20.57	33.54	40.00	6.46	QP



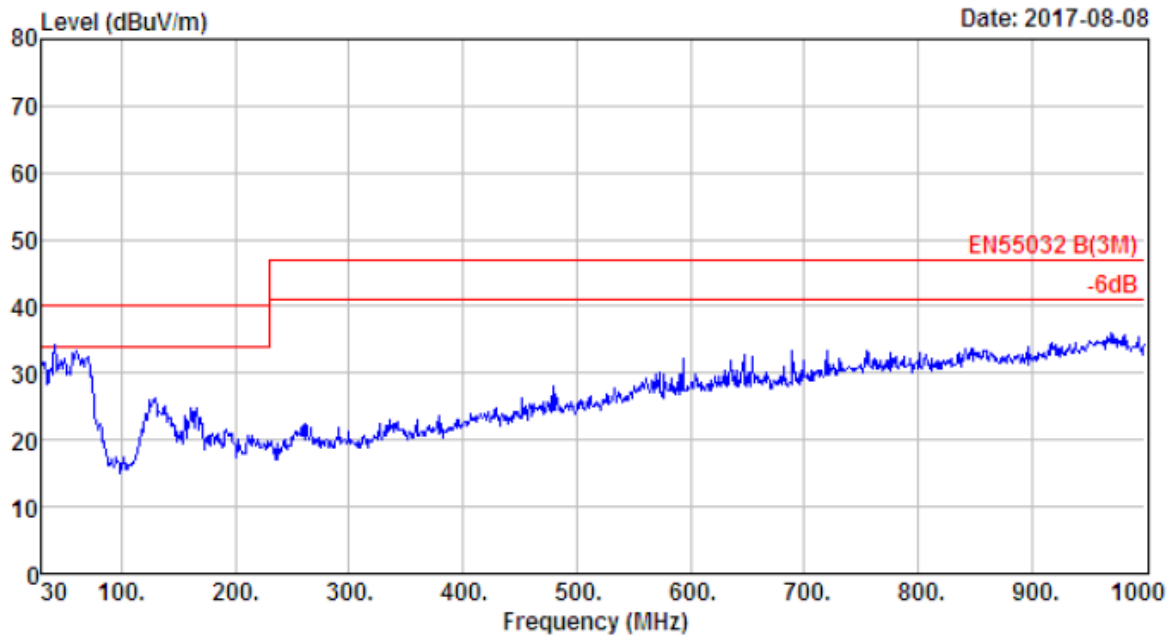
Site no.	: 2# 966 chamber	Data no.	: 26
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20173301970D		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		



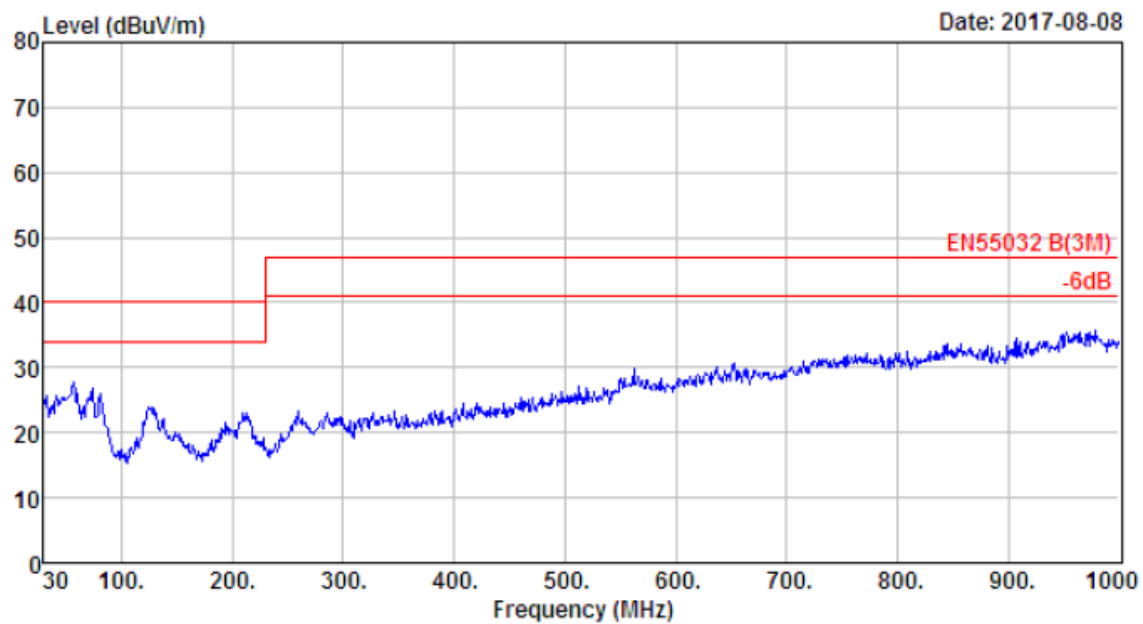
Site no.	: 2# 966 chamber	Data no.	: 27
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970D		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		



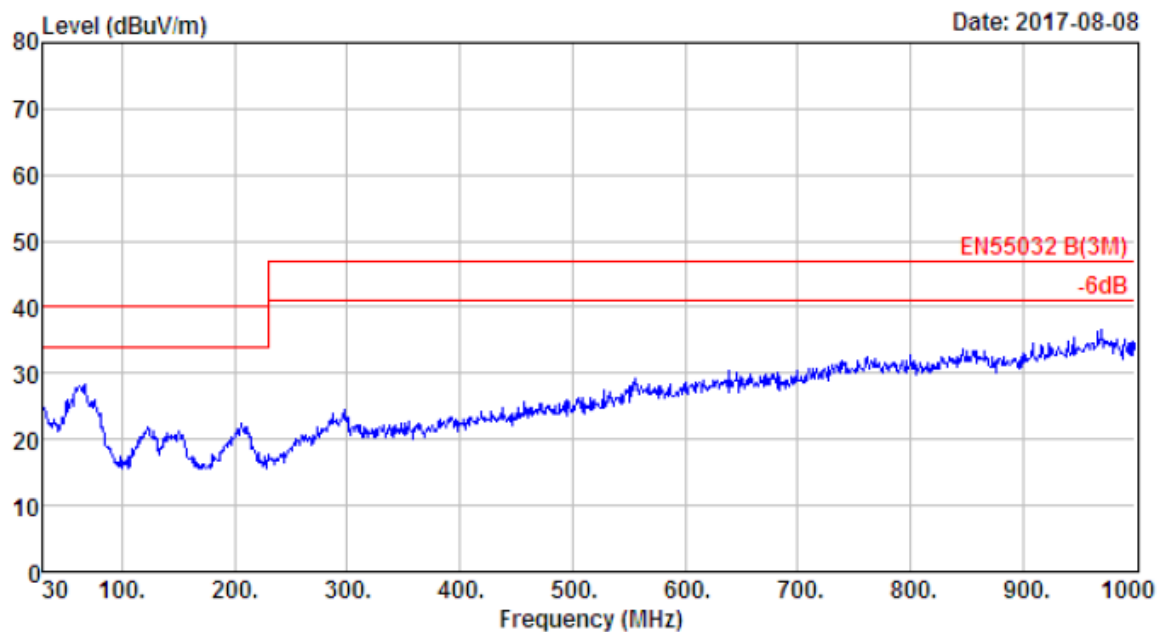
Site no.	: 2# 966 chamber	Data no.	: 28
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20173301970D		
Test Mode	: Full Load(Output:33V/1.97A)		
	Y		



Site no.	: 2# 966 chamber	Data no.	: 29
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y		

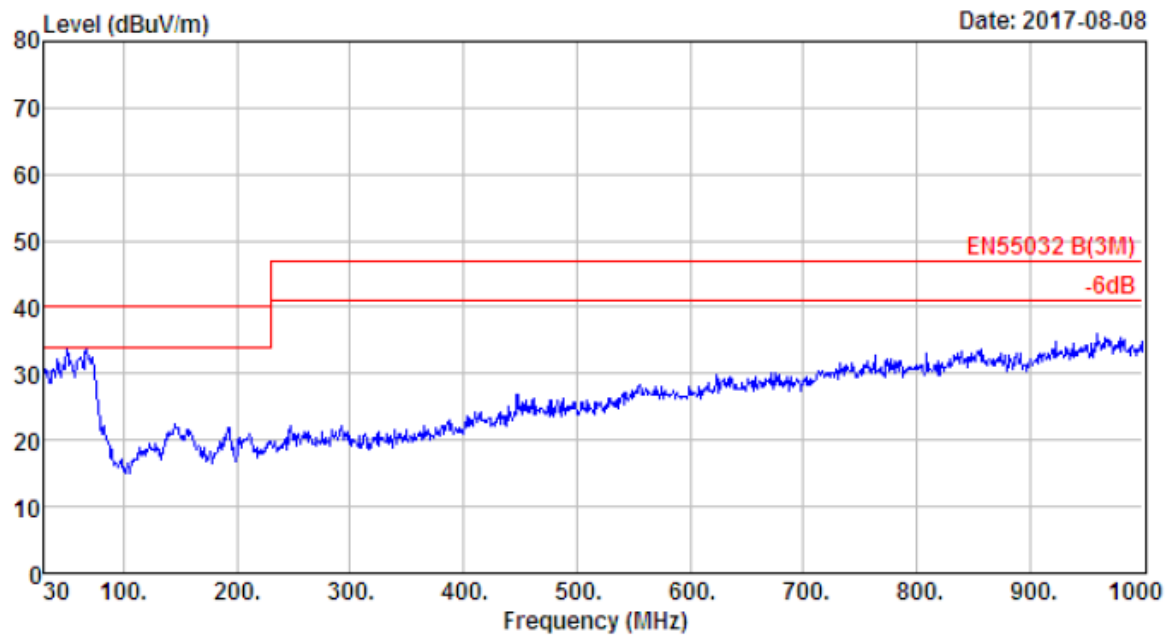


Site no.	: 2# 966 chamber	Data no.	: 30
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6°;Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y		

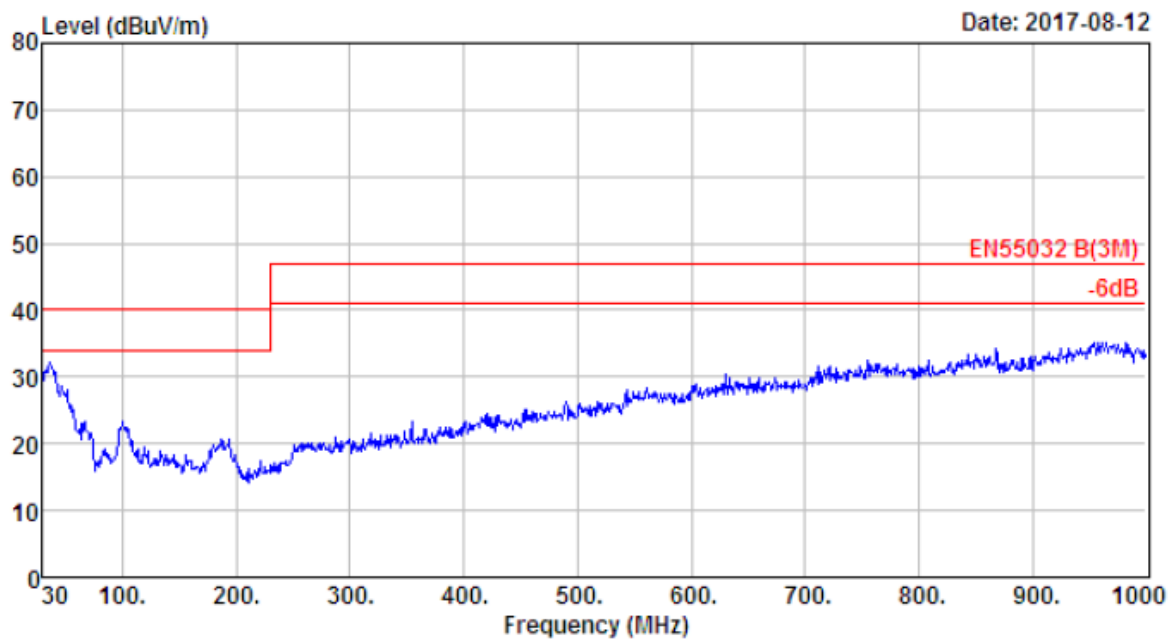


Site no.	: 2# 966 chamber	Data no.	: 31
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y		

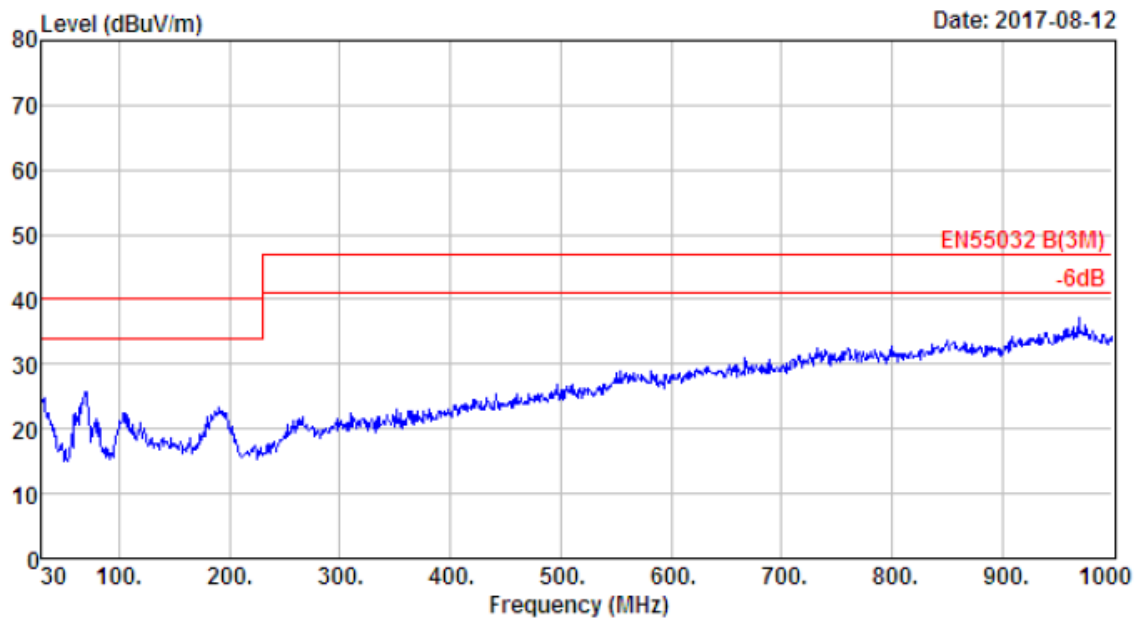




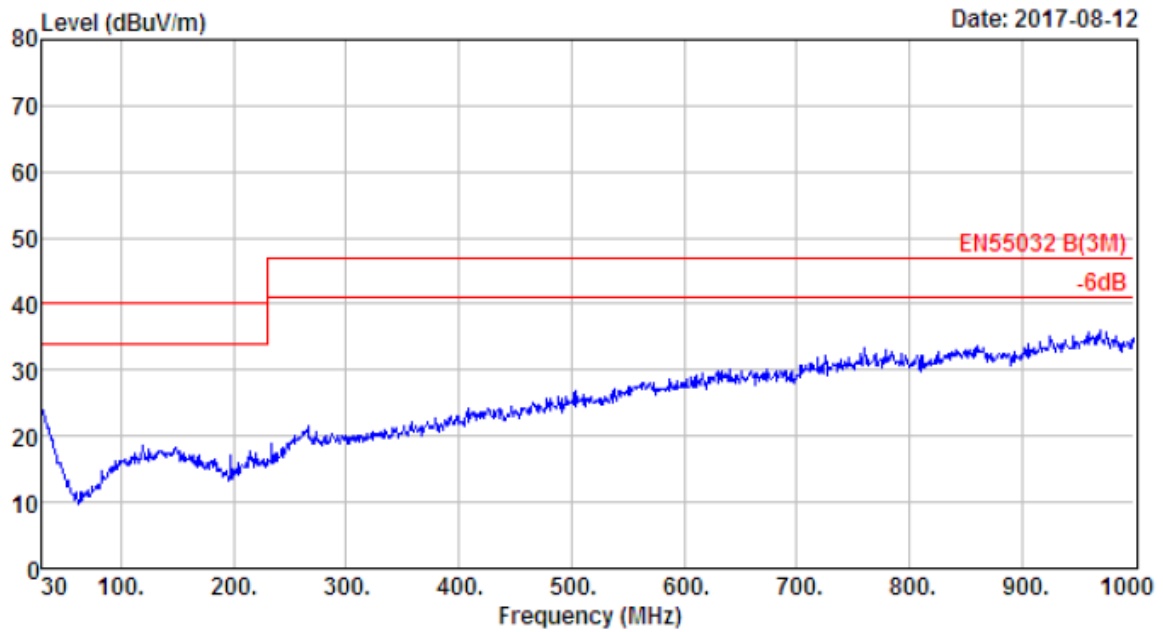
Site no.	: 2# 966 chamber	Data no.	: 32
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 110V/60Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Full Load(Output:54V/1.2A)		
	Y		



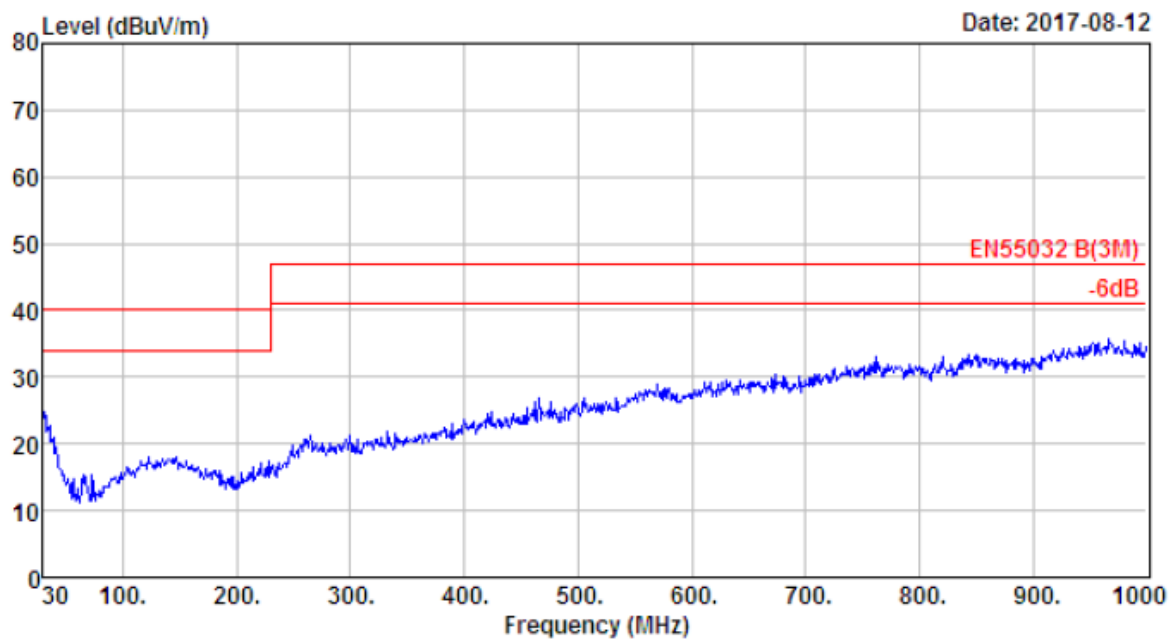
Site no.	: 2# 966 chamber	Data no.	: 33
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Half Load(Output:54V/0.6A)		
	Y+Y		



Site no.	: 2# 966 chamber	Data no.	: 34
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: Half Load(Output:54V/0.6A)		
	Y+Y		



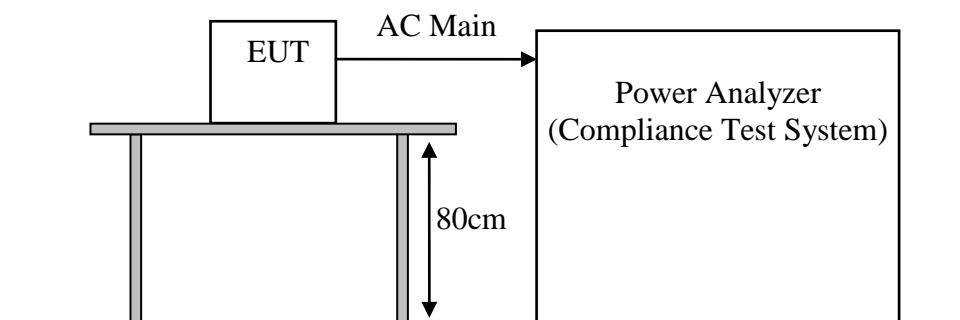
Site no.	: 2# 966 chamber	Data no.	: 35
Dis. / Ant.	: 3m 37062	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: No Load		
	Y+Y		



Site no.	: 2# 966 chamber	Data no.	: 36
Dis. / Ant.	: 3m 37062	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Hale		
EUT	: Switching Adaptor		
Power	: AC 230V/50Hz		
M/N	: FJ-SW20175401200D		
Test Mode	: No Load		
	Y+Y		

#### 4.3. Harmonic Current Emissions on AC Mains Test

**RESULT** : **Pass**  
Test procedure : EN IEC 61000-3-2:2019+A1:2021  
Measured harmonics : 1 ~ 40<sup>th</sup>  
Limits : EN IEC 61000-3-2:2019+A1:2021



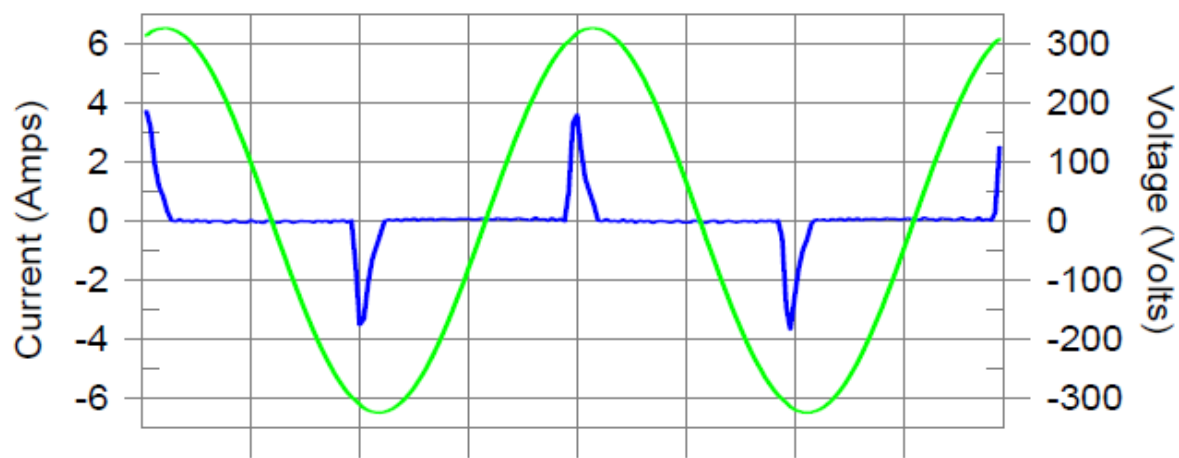
Test Data

EUT: Switching Adaptor M/N:FJ-SW20171086000  
Test category: Class-A per Ed. 4.0 (2014) (European limits)  
Test date: 2017/8/7  
Test duration (min): 2.5  
Comment: Full Load  
Customer: FUJIA

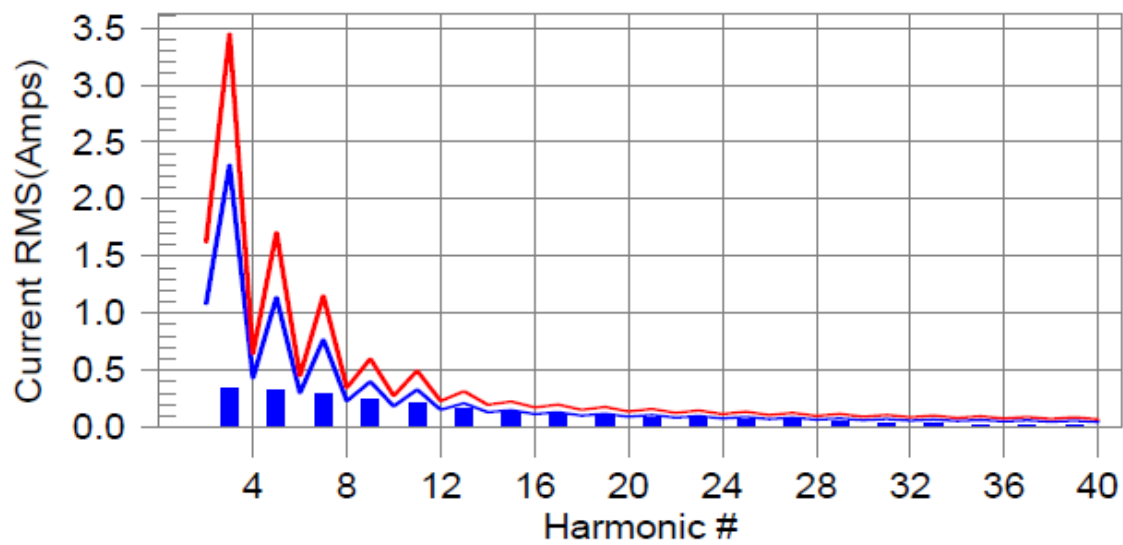
Tested by: Sid  
Test Margin: 100  
Start time: 15:56:42  
End time: 15:59:33  
Data file name: H-000682.cts\_data

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 61.9% of the limit.

EUT: Switching Adaptor M/N:FJ-SW20171086000 Tested by: Sid  
 Test category: Class-A per Ed. 4.0 (2014) (European limits) Test Margin: 100  
 Test date: 2017/8/7 Start time: 15:56:42 End time: 15:59:33  
 Test duration (min): 2.5 Data file name: H-000682.cts\_data  
 Comment: Full Load  
 Customer: FUJIA

Test Result: Pass Source qualification: Normal  
 THC(A): 0.715 I-THD(%): 194.0 POHC(A): 0.170 POHC Limit(A): 0.251

Highest parameter values during test:

V_RMS (Volts):	230.26	Frequency(Hz):	50.00
I_Peak (Amps):	3.806	I_RMS (Amps):	0.809
I_Fund (Amps):	0.369	Crest Factor:	4.711
Power (Watts):	81.1	Power Factor:	0.441

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	N/A	0.001	1.620	N/A	Pass
3	0.347	2.300	15.1	0.348	3.450	10.1	Pass
4	0.001	0.430	N/A	0.001	0.645	N/A	Pass
5	0.323	1.140	28.3	0.323	1.710	18.9	Pass
6	0.000	0.300	N/A	0.001	0.450	N/A	Pass
7	0.289	0.770	37.5	0.290	1.155	25.1	Pass
8	0.000	0.230	N/A	0.001	0.345	N/A	Pass
9	0.250	0.400	62.4	0.251	0.600	41.8	Pass
10	0.001	0.184	N/A	0.001	0.276	N/A	Pass
11	0.208	0.330	63.2	0.210	0.495	42.5	Pass
12	0.001	0.153	N/A	0.001	0.230	N/A	Pass
13	0.169	0.210	80.7	0.172	0.315	54.5	Pass
14	0.001	0.131	N/A	0.001	0.197	N/A	Pass
15	0.136	0.150	91.0	0.139	0.225	61.9	Pass
16	0.001	0.115	N/A	0.001	0.173	N/A	Pass
17	0.112	0.132	85.0	0.115	0.198	58.3	Pass
18	0.001	0.102	N/A	0.001	0.153	N/A	Pass
19	0.097	0.118	81.8	0.100	0.178	56.4	Pass
20	0.001	0.092	N/A	0.001	0.138	N/A	Pass
21	0.088	0.107	81.8	0.091	0.161	56.4	Pass
22	0.001	0.084	N/A	0.001	0.125	N/A	Pass
23	0.080	0.098	82.0	0.083	0.147	56.6	Pass
24	0.001	0.077	N/A	0.001	0.115	N/A	Pass
25	0.072	0.090	79.8	0.075	0.135	55.2	Pass
26	0.001	0.071	N/A	0.001	0.107	N/A	Pass
27	0.062	0.083	73.9	0.065	0.125	52.2	Pass
28	0.003	0.066	N/A	0.003	0.099	N/A	Pass
29	0.050	0.078	64.2	0.053	0.116	45.5	Pass
30	0.001	0.061	N/A	0.002	0.092	N/A	Pass
31	0.038	0.073	52.2	0.041	0.109	37.3	Pass
32	0.003	0.058	N/A	0.003	0.086	N/A	Pass
33	0.028	0.068	40.5	0.029	0.102	28.8	Pass
34	0.001	0.054	N/A	0.001	0.081	N/A	Pass
35	0.021	0.064	32.3	0.021	0.096	22.2	Pass
36	0.000	0.051	N/A	0.001	0.077	N/A	Pass
37	0.018	0.061	29.3	0.018	0.091	19.7	Pass
38	0.000	0.048	N/A	0.001	0.073	N/A	Pass
39	0.017	0.058	29.4	0.017	0.087	19.8	Pass
40	0.000	0.046	N/A	0.001	0.069	N/A	Pass



EUT: Switching Adaptor M/N:FJ-SW20171086000 Tested by: Sid  
 Test category: Class-A per Ed. 4.0 (2014) (European limits) Test Margin: 100  
 Test date: 2017/8/7 Start time: 15:56:42 End time: 15:59:33  
 Test duration (min): 2.5 Data file name: H-000682.cts\_data  
 Comment: Full Load  
 Customer: FUJIA

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

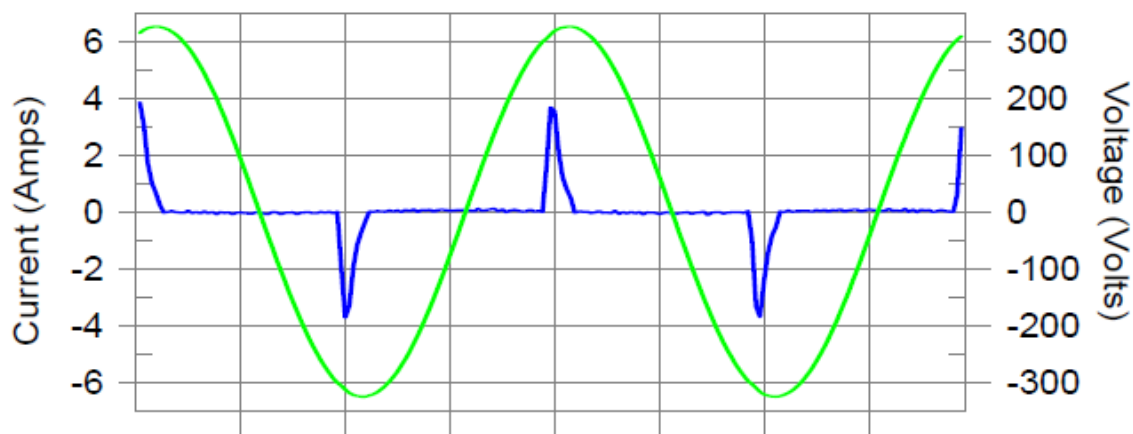
Voltage (Vrms):	230.26	Frequency(Hz):	50.00
I_Peak (Amps):	3.806	I_RMS (Amps):	0.809
I_Fund (Amps):	0.369	Crest Factor:	4.711
Power (Watts):	81.1	Power Factor:	0.441

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.053	0.460	11.59	OK
3	0.457	2.072	22.07	OK
4	0.035	0.460	7.69	OK
5	0.078	0.921	8.44	OK
6	0.012	0.460	2.56	OK
7	0.084	0.691	12.11	OK
8	0.018	0.460	3.82	OK
9	0.100	0.460	21.67	OK
10	0.015	0.460	3.31	OK
11	0.102	0.230	44.25	OK
12	0.011	0.230	4.63	OK
13	0.088	0.230	38.22	OK
14	0.006	0.230	2.51	OK
15	0.090	0.230	39.08	OK
16	0.009	0.230	3.80	OK
17	0.082	0.230	35.42	OK
18	0.008	0.230	3.28	OK
19	0.082	0.230	35.56	OK
20	0.010	0.230	4.55	OK
21	0.081	0.230	35.26	OK
22	0.004	0.230	1.92	OK
23	0.076	0.230	33.03	OK
24	0.004	0.230	1.56	OK
25	0.078	0.230	33.90	OK
26	0.003	0.230	1.35	OK
27	0.068	0.230	29.72	OK
28	0.003	0.230	1.47	OK
29	0.068	0.230	29.67	OK
30	0.002	0.230	1.09	OK
31	0.052	0.230	22.45	OK
32	0.004	0.230	1.67	OK
33	0.041	0.230	17.97	OK
34	0.003	0.230	1.29	OK
35	0.035	0.230	15.39	OK
36	0.003	0.230	1.22	OK
37	0.033	0.230	14.44	OK
38	0.004	0.230	1.58	OK
39	0.033	0.230	14.36	OK
40	0.008	0.230	3.31	OK

EUT: Switching Adaptor M/N:FJ-SW20171086000D Tested by: Sid  
 Test category: Class-A per Ed. 4.0 (2014) (European limits) Test Margin: 100  
 Test date: 2017/8/7 Start time: 15:39:44 End time: 15:42:35  
 Test duration (min): 2.5 Data file name: H-000680.cts\_data  
 Comment: Full Load  
 Customer: FUJIA

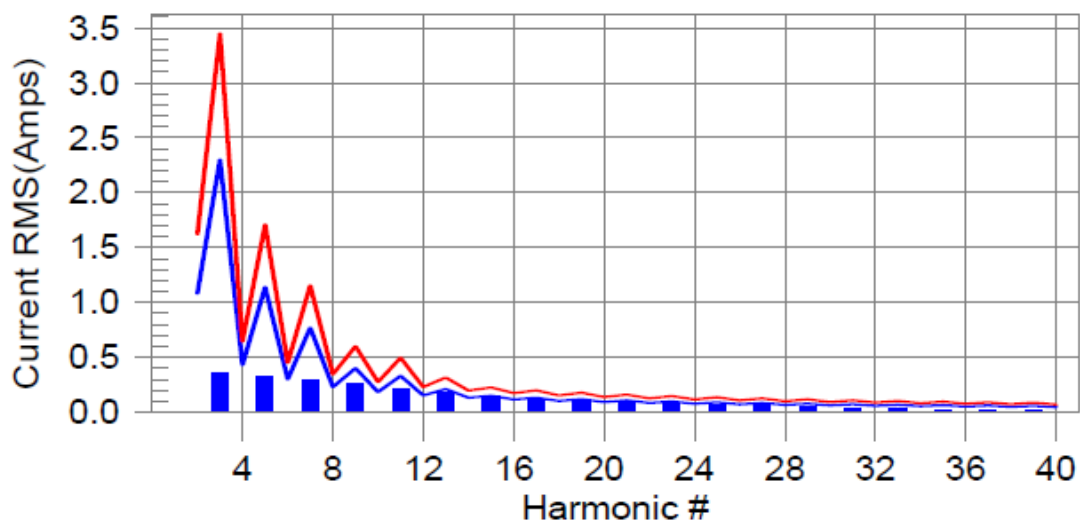
Test Result: Pass Source qualification: Normal

#### Current & voltage waveforms



#### Harmonics and Class A limit line

#### European Limits



**Test result: Pass Worst harmonic was #15 with 66.2% of the limit.**

EUT: Switching Adaptor M/N:FJ-SW20171086000D Tested by: Sid  
 Test category: Class-A per Ed. 4.0 (2014) (European limits) Test Margin: 100  
 Test date: 2017/8/7 Start time: 15:39:44 End time: 15:42:35  
 Test duration (min): 2.5 Data file name: H-000680.cts\_data  
 Comment: Full Load  
 Customer: FUJIA

Test Result: Pass Source qualification: Normal  
 THC(A): 0.736 I-THD(%): 197.3 POHC(A): 0.171 POHC Limit(A): 0.251

Highest parameter values during test:

V_RMS (Volts):	230.25	Frequency(Hz):	50.00
I_Peak (Amps):	3.925	I_RMS (Amps):	0.828
I_Fund (Amps):	0.373	Crest Factor:	4.744
Power (Watts):	82.0	Power Factor:	0.434

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	N/A	0.001	1.620	N/A	Pass
3	0.352	2.300	15.3	0.353	3.450	10.2	Pass
4	0.001	0.430	N/A	0.001	0.645	N/A	Pass
5	0.328	1.140	28.8	0.328	1.710	19.2	Pass
6	0.000	0.300	N/A	0.001	0.450	N/A	Pass
7	0.296	0.770	38.4	0.296	1.155	25.7	Pass
8	0.000	0.230	N/A	0.001	0.345	N/A	Pass
9	0.257	0.400	64.4	0.259	0.600	43.1	Pass
10	0.001	0.184	N/A	0.001	0.276	N/A	Pass
11	0.217	0.330	65.9	0.219	0.495	44.2	Pass
12	0.001	0.153	N/A	0.001	0.230	N/A	Pass
13	0.179	0.210	85.4	0.181	0.315	57.5	Pass
14	0.001	0.131	N/A	0.001	0.197	N/A	Pass
15	0.147	0.150	97.7	0.149	0.225	66.2	Pass
16	0.001	0.115	N/A	0.001	0.173	N/A	Pass
17	0.122	0.132	92.1	0.124	0.198	62.7	Pass
18	0.001	0.102	N/A	0.001	0.153	N/A	Pass
19	0.104	0.118	88.0	0.107	0.178	60.0	Pass
20	0.001	0.092	N/A	0.001	0.138	N/A	Pass
21	0.092	0.107	86.1	0.094	0.161	58.8	Pass
22	0.001	0.084	N/A	0.001	0.125	N/A	Pass
23	0.082	0.098	84.2	0.084	0.147	57.4	Pass
24	0.001	0.077	N/A	0.001	0.115	N/A	Pass
25	0.072	0.090	80.1	0.074	0.135	54.7	Pass
26	0.001	0.071	N/A	0.001	0.107	N/A	Pass
27	0.061	0.083	72.7	0.063	0.125	50.6	Pass
28	0.003	0.066	N/A	0.004	0.099	N/A	Pass
29	0.048	0.078	61.9	0.051	0.116	43.4	Pass
30	0.001	0.061	N/A	0.002	0.092	N/A	Pass
31	0.036	0.073	49.2	0.038	0.109	34.7	Pass
32	0.003	0.058	N/A	0.003	0.086	N/A	Pass
33	0.025	0.068	37.3	0.027	0.102	26.3	Pass
34	0.001	0.054	N/A	0.001	0.081	N/A	Pass
35	0.019	0.064	29.0	0.019	0.096	19.9	Pass
36	0.000	0.051	N/A	0.001	0.077	N/A	Pass
37	0.016	0.061	26.4	0.016	0.091	17.8	Pass
38	0.000	0.048	N/A	0.001	0.073	N/A	Pass
39	0.016	0.058	27.0	0.016	0.087	18.3	Pass
40	0.000	0.046	N/A	0.001	0.069	N/A	Pass

EUT: Switching Adaptor M/N:FJ-SW20171086000D Tested by: Sid  
 Test category: Class-A per Ed. 4.0 (2014) (European limits) Test Margin: 100  
 Test date: 2017/8/7 Start time: 15:39:44 End time: 15:42:35  
 Test duration (min): 2.5 Data file name: H-000680.cts\_data  
 Comment: Full Load  
 Customer: FUJIA

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	230.25	Frequency(Hz):	50.00
I_Peak (Amps):	3.925	I_RMS (Amps):	0.828
I_Fund (Amps):	0.373	Crest Factor:	4.744
Power (Watts):	82.0	Power Factor:	0.434

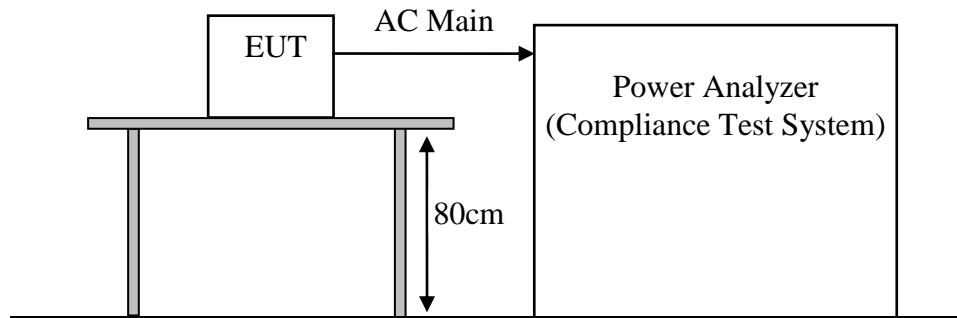
Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.053	0.460	11.41	OK
3	0.463	2.072	22.35	OK
4	0.043	0.460	9.26	OK
5	0.079	0.921	8.60	OK
6	0.013	0.460	2.77	OK
7	0.084	0.691	12.19	OK
8	0.021	0.460	4.53	OK
9	0.103	0.460	22.35	OK
10	0.016	0.460	3.43	OK
11	0.107	0.230	46.32	OK
12	0.010	0.230	4.27	OK
13	0.092	0.230	39.89	OK
14	0.007	0.230	3.03	OK
15	0.097	0.230	42.26	OK
16	0.009	0.230	3.98	OK
17	0.088	0.230	38.33	OK
18	0.008	0.230	3.46	OK
19	0.084	0.230	36.57	OK
20	0.010	0.230	4.41	OK
21	0.085	0.230	36.84	OK
22	0.005	0.230	2.20	OK
23	0.077	0.230	33.34	OK
24	0.004	0.230	1.69	OK
25	0.077	0.230	33.57	OK
26	0.003	0.230	1.48	OK
27	0.068	0.230	29.65	OK
28	0.003	0.230	1.34	OK
29	0.065	0.230	28.43	OK
30	0.003	0.230	1.36	OK
31	0.049	0.230	21.38	OK
32	0.003	0.230	1.48	OK
33	0.037	0.230	16.02	OK
34	0.003	0.230	1.38	OK
35	0.033	0.230	14.39	OK
36	0.003	0.230	1.39	OK
37	0.030	0.230	13.13	OK
38	0.004	0.230	1.64	OK
39	0.030	0.230	13.20	OK
40	0.008	0.230	3.43	OK

#### 4.4. Voltage Fluctuations and Flicker on AC Mains Test

**RESULT** : **Pass**(Please refer to the following page)

Test procedure : EN 61000-3-3:2013+A1:2019+A2:2021

Limits : EN 61000-3-3:2013+A1:2019+A2:2021



## Test Data

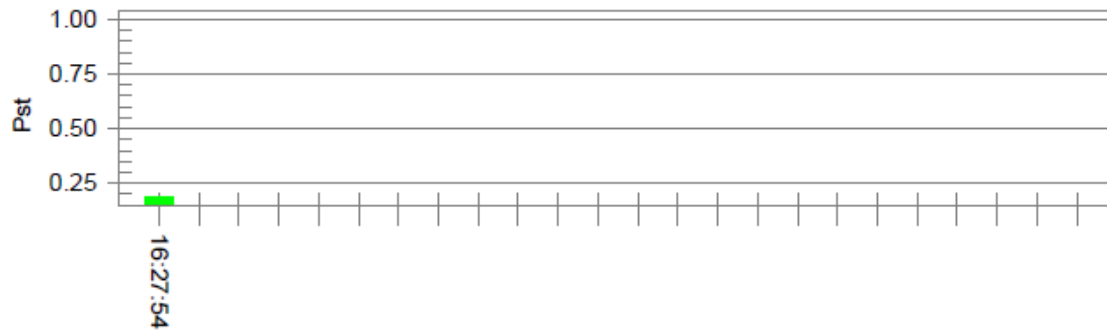
EUT: Switching Adaptor M/N:FJ-SW20171086000  
Test category: All parameters (European limits)  
Test date: 2017/8/7 Start time: 16:17:24 End time: 16:27:55  
Test duration (min): 10 Data file name: F-000685.cts\_data  
Comment: Full load  
Customer: FU JIA

Test Result: Pass

Status: Test Completed

Pst and limit line

European Limits



Plt and limit line



### Parameter values recorded during the test:

Vrms at the end of test (Volt):	230.16		
Highest dt (%):	0.00	Test limit (%):	N/A
T-max (mS):	0	Test limit (mS):	500.0
Highest dc (%):	0.00	Test limit (%):	3.30
Highest dmax (%):	-0.06	Test limit (%):	4.00
Highest Pst (10 min. period):	0.185	Test limit:	1.000
Highest Plt (2 hr. period):	0.081	Test limit:	0.650



EUT: Switching Adaptor M/N:FJ-SW20171086000D

Test category: All parameters (European limits)

Test date: 2017/8/7

Test duration (min): 10

Comment: Full load

Customer: FU JIA

Tested by: Sid

Test Margin: 100

End time: 16:41:02

Start time: 16:30:31

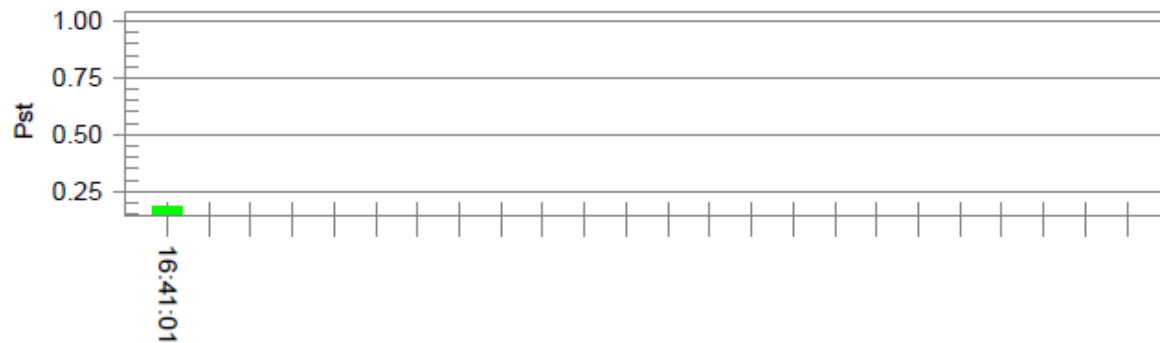
Data file name: F-000686.cts\_data

Test Result: Pass

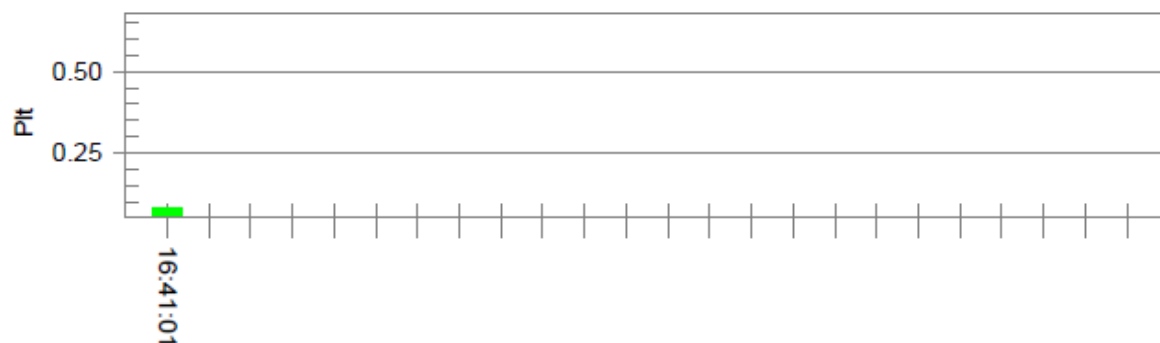
Status: Test Completed

Pst<sub>i</sub> and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 230.24

Highest dt (%): 0.00

T-max (mS): 0

Highest dc (%): 0.00

Highest dmax (%): 0.05

Highest Pst (10 min. period): 0.182

Highest Plt (2 hr. period): 0.079

Test limit (%): N/A N/A

Test limit (mS): 500.0 Pass

Test limit (%): 3.30 Pass

Test limit (%): 4.00 Pass

Test limit: 1.000 Pass

Test limit: 0.650 Pass

## 5. IMMUNITY TEST RESULT

### 5.1. Description of Performance Criteria:

#### Performance criteria A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

For audio output device: The measured acoustic interference ratio and/or the measured electrical interference during the test shall be -20dB or better(see note1)

#### Performance criteria B

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

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

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

#### Performance criteria C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.

Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

**Note 1:** This performance criterion only using for Continuous inducted RF disturbances and Continuous RF electromagnetic field disturbances item.



## 5.2. Electrostatic Discharge Immunity Test

<b>RESULT</b>	<b>: Pass</b>
Test procedure	: EN 55035:2017+A11:2020
Basic standard	: EN 61000-4-2:2009
Test specification	: +/-4.0kV(Contact discharge) +/-8.0kV(Air discharge)
Number of discharges	: $\geq 10$ (Air discharge for single polarity discharge) $\geq 10$ (Contact discharge for single polarity discharge)
Polarity	: Positive/Negative
Performance criterion	: B

### Test Setup

Date of test	: Aug. 17, 2017
Model No.	: FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D, FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000, FJ-SW20173301970, FJ-SW20175401200
Input Voltage	: AC 230V/50Hz
Operation Mode	: Full Load, Half Load, No Load
Temperature	: 27.8°C
Humidity	: 48%
Pressure	: 101.70kPa

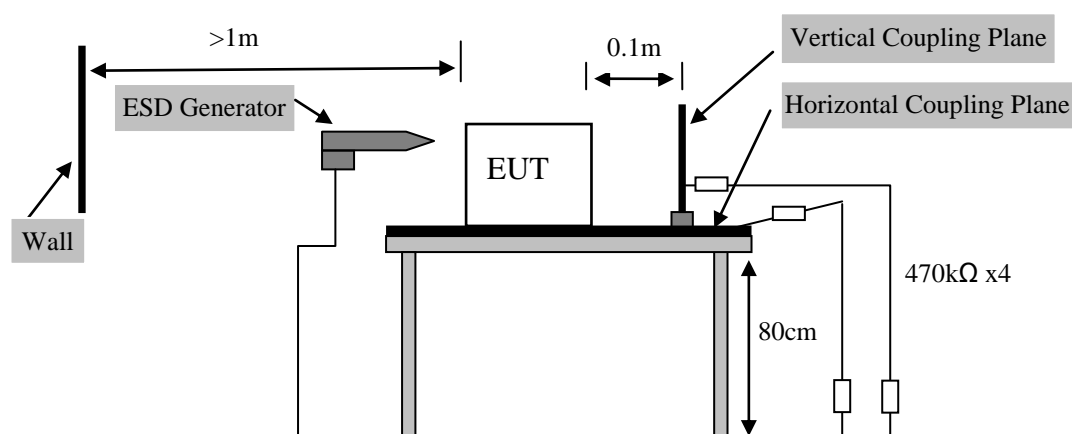


Table 1: Electrostatic Discharge Immunity Test Result

Discharge Location		Type of discharge	Result
HCP	4 points	Contact	Pass
VCP	4 points	Contact	Pass
DC Port	2 points	Contact	Pass
Slot	1 point	Air	Pass

*Remark: 1. There was no change compared with initial operation during the test.  
2. Discharge should be considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).*

### 5.3. Radio Frequency Electromagnetic Field Immunity Test

**RESULT** : **Pass**  
Test procedure : EN 55035:2017+A11:2020  
Basic standard : EN 61000-4-3:2006+A1:2008+A2:2010  
Frequency Range : 80-1000MHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz  
Performance criterion : A  
Test site : 866 Chamber

#### Test Setup

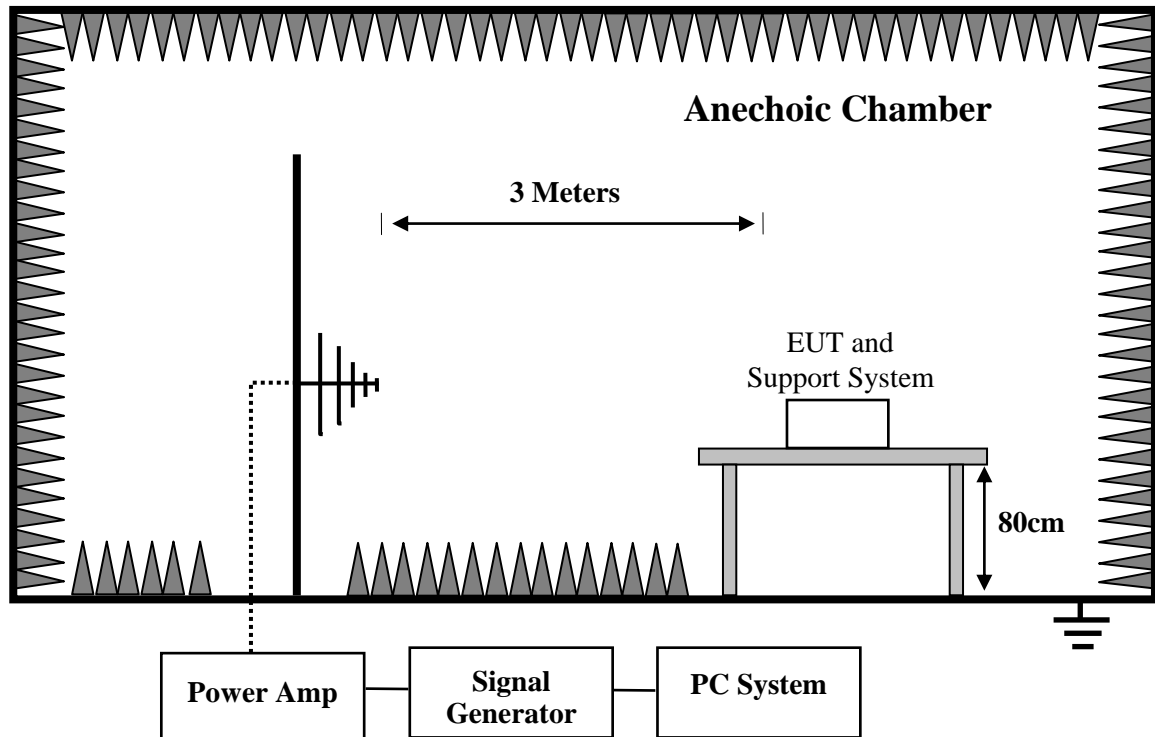
Date of test : Aug. 17, 2017  
Model No. : FJ-SW20173301970, FJ-SW20170906000, FJ-SW20175401200,  
FJ-SW20171086000, FJ-SW20173301970D, FJ-SW20170906000D,  
FJ-SW20175401200D, FJ-SW20171086000D  
Input Voltage : AC 230V/50Hz  
Operation Mode : Full Load, Half Load  
Temperature : 27.6°C  
Humidity : 49.8%  
Pressure : 101.70kPa

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The EUT was set 3 m away from the transmitting antenna which was mounted on an antenna tower. Both horizontal and vertical polarization of the antenna were set on test. Each of the four sides of EUT must be faced this transmitting antenna and measured individually.

In order to judge the EUT performance, a CCD camera was used to monitor EUT screen.

All the scanning conditions were as follows:

Condition of Test	Remarks
1. Field Strength	3 V/m (Severity Level 2)
2. Radiated Signal	Modulated
3. Scanning Frequency	80 - 1000 MHz
4. Sweeping time of radiated	0.0015 decade/s
5. Dwell Time	at least 3 seconds



Condition of Test	Remarks
6. Field Strength	3 V/m (Severity Level 2)
7. Radiated Signal	Modulated
8. Scanning Frequency	1800MHz,2600MHz,3500MHz,5000MHz
9. Sweeping time of radiated	0.0015 decade/s
10. Dwell Time	at least 3 seconds

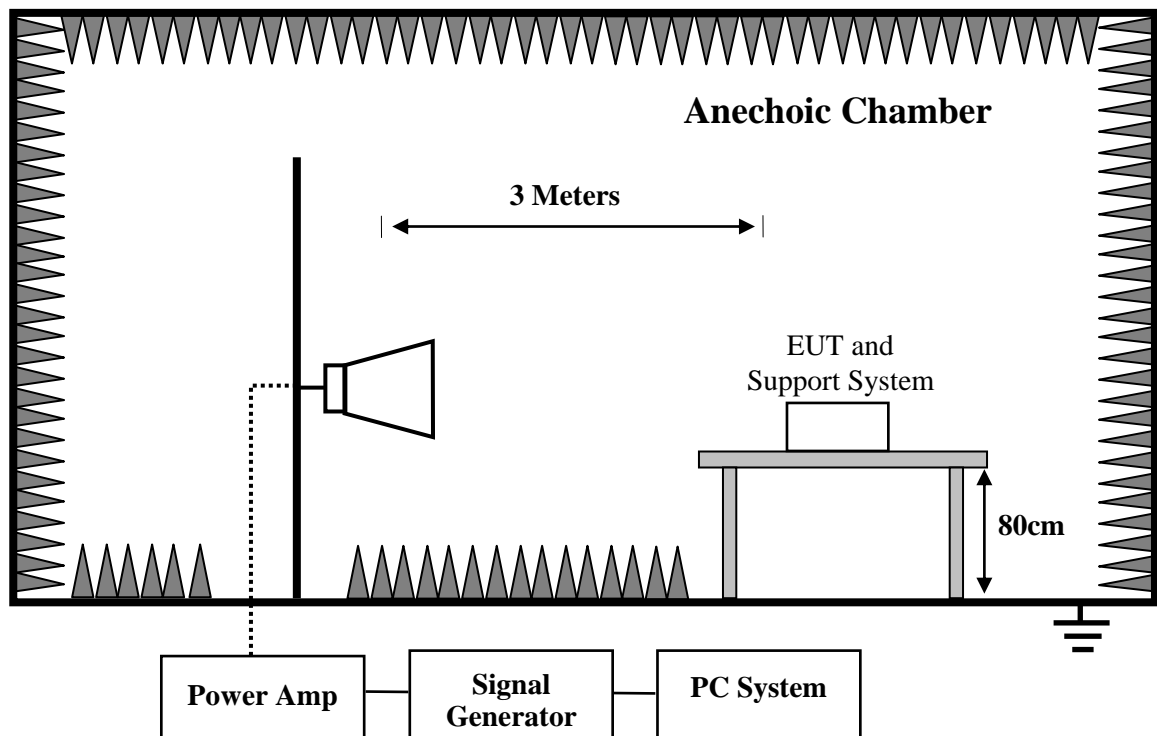


Table 2: Radio Frequency Electromagnetic Field Immunity Test Result

Position	Frequency Range	Test Level	Modulated Signal	Freq. Step	Dwell Time	Result
Front	80 to 1000 MHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz	3 V/m	AM 80%, 1kHz sine wave	1%	3 s	Pass
Right						
Rear						
Left						
Remark: There was no change compared with initial operation during the test.						

## 5.4. Electrical Fast Transient/Burst Immunity Test

<b>RESULT</b>	: <b>Pass</b>
Test procedure	: EN 55035:2017+A11:2020
Basic standard	: EN 61000-4-4:2012
Pulse form	: $T_r/T_h = 5/50\text{ns}$
Repetition Frequency	: 5 kHz ; (100 kHz : only for single lines of xDSL equipment)
Test Duration	: 120s
Performance criterion	: B

### Test Setup

Date of test	: Aug. 17, 2017
Model No.	: FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D, FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000, FJ-SW20173301970, FJ-SW20175401200
Input Voltage	: AC 230V/50Hz, AC 110V/60Hz
Operation Mode	: Full Load, Half Load, No Load
Temperature	: 26.3°C
Humidity	: 55.5%
Pressure	: 101.70kPa

The EUT and its simulators were placed 0.1m high above the ground reference plane which was a min. 2m\*2m metallic sheet with 0.65mm minimum thickness. This reference ground plane shall project beyond the EUT by at least 0.1m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane beneath the EUT, shall be more than 0.5m.

#### 1. For input and AC power ports:

The EUT was connected to the power mains by using a coupling device which coupled the EFT interference signal to AC power lines. Both polarities of the test voltage should be applied during compliance test and the duration of the test can't less than 2 mains.

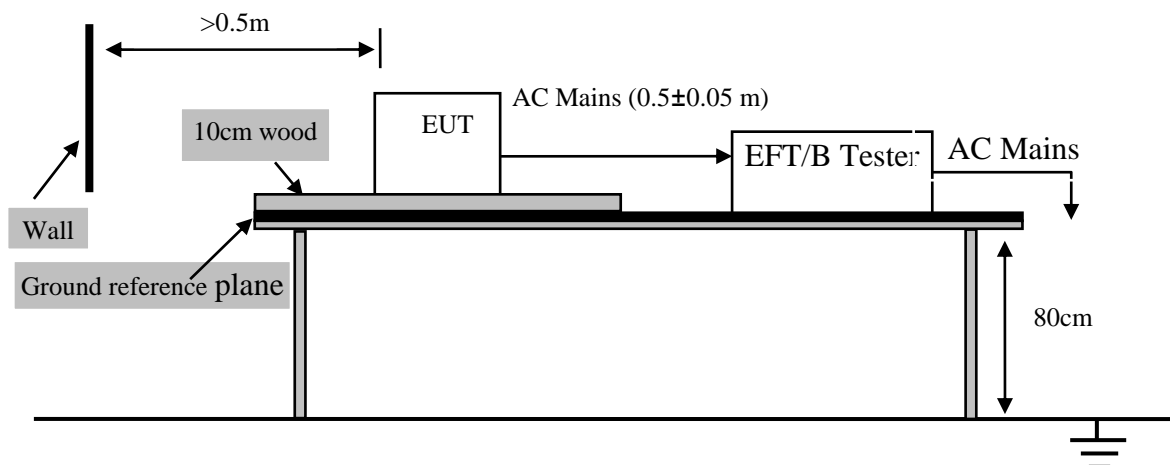


Table 3: Electrical Fast Transient/Burst Immunity Test Result

Class I type

Coupling Ports		Coupling Voltage	Inject Method	Result
AC Power Ports	L-N-PE	+/-1kV	Direct	Pass

*Remark: There was no change compared with initial operation during the test.*

Class II type

Coupling Ports		Coupling Voltage	Inject Method	Result
AC Power Ports	L-N	+/-1kV	Direct	Pass

*Remark: There was no change compared with initial operation during the test.*

## 5.5. Surge Immunity Test

**RESULT** : **Pass**  
Test procedure : EN 55035:2017+A11:2020  
Basic standard : EN 61000-4-5:2014  
Pulseform :  $T_r/T_d = 1.2/50\mu s$   
Test Duration : 60s  
Performance criterion : B

### Test Setup

Date of test : Aug. 17, 2017  
Model No. : FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D,  
FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000,  
FJ-SW20173301970, FJ-SW20175401200  
Input Voltage : AC 230V/50Hz, AC 110V/60Hz  
Operation Mode : Full Load, Half Load  
Temperature : 24.6°C  
Humidity : 51.5%  
Pressure : 101.70kPa

2  $\Omega$  effective output impedance of the generator was used for L-N test. 12  $\Omega$  effective output impedance of the generator was used for L-PE, N-PE test.

5 positive and 5 negative (polarity) tests were applied successively synchronized to the voltage phase 90° , 270° to L-N respectively. The repetition rate was 1 per minute during test.

#### 1. For input and AC power ports:

The EUT was connected to the power mains by using a coupling device which coupled the surge interference signal to AC power lines. Both polarities of the test voltage should be applied during compliance test and the duration was 1 minute.

#### 2. For signal lines and control lines ports:

None.

#### 3. For DC input and DC output power ports:

None.

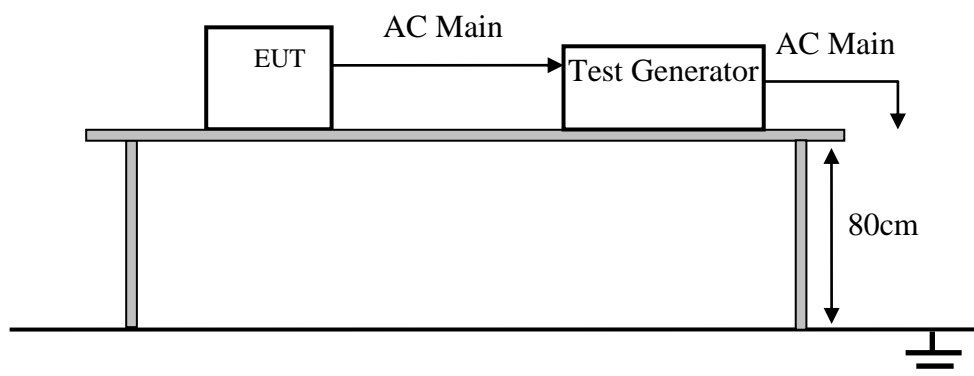




Table 4: Surge Immunity Test Result

Class I type

Coupling Ports		Coupling Voltage	Coupling Phase / Result			
			0°	90°	180°	270°
AC power ports	L-N	+/-1kV Direct	Pass	Pass	Pass	Pass
	L-PE	+/-2kV Direct	Pass	Pass	Pass	Pass
	N-PE	+/-2kV Direct	Pass	Pass	Pass	Pass

*Remark: There was no change compared with initial operation during the test*

Class II type

Coupling Ports		Coupling Voltage	Coupling Phase / Result			
			0°	90°	180°	270°
AC power ports	L-N	+/-1kV Direct	Pass	Pass	Pass	Pass

*Remark: There was no change compared with initial operation during the test*

## 5.6. Injected Currents Susceptibility Test

<b>RESULT</b>	: <b>Pass</b>
Test procedure	: EN 55035:2017+A11:2020
Basic standard	: EN 61000-4-6:2014
Test specification	: 3 Vr.m.s, 3 Vr.m.s - 1Vr.m.s, 1Vr.m.s, AM 80%, 0.15 MHz - 10 MHz, 10 MHz – 30 MHz, 30 MHz – 80MHz
Performance criterion	: A

### Test Setup

Date of test	: Aug. 17, 2017
Model No.	: FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D, FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000, FJ-SW20173301970, FJ-SW20175401200
Input Voltage	: AC 230V/50Hz, AC 110V/60Hz
Operation Mode	: Full Load, Half Load
Temperature	: 23.6°C
Humidity	: 49%
Pressure	: 101.70kPa

The EUT were placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) was placed on the ground plane about 0.3m from EUT. Cables between CDN and EUT were as short as possible, and their height above the ground reference plane were between 30 and 50 mm (where possible).

The frequency range was swept from 0.15 MHz - 10 MHz, 10 MHz – 30 MHz and 30 MHz – 80MHz using 3V, 3 V - 1V, 1V signal level, and with the disturbance signal 80% amplitude modulated with a 1KHz sine wave.

The dwell time of the amplitude modulated carrier at each frequency shall not be less than the time necessary for the EUT to be exercised and to respond, but shall in no case be less than 0,5 s. The sensitive frequencies (e.g. clock frequencies) shall be analyzed separately.

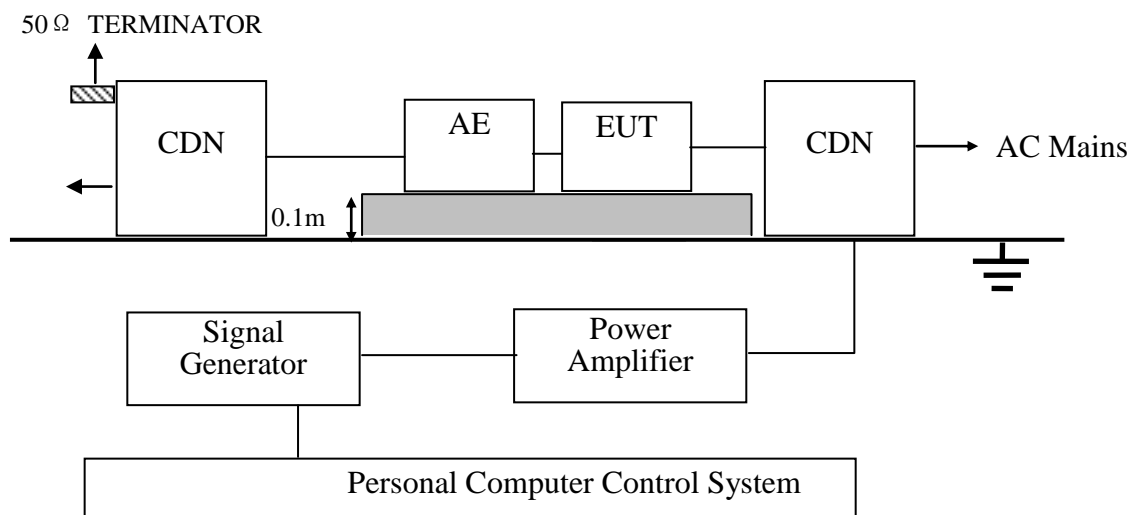


Table 5: Injected Currents Susceptibility Test Result

Coupling ports	Voltage (r.m.s)	Modulation	Freq. step	Dwell time	Coupling method	Result
AC power ports	3V	1kHz AM 80%	1%	3s	CDN	Pass
	3V-1V					Pass
	1V					Pass
DC power ports	/		/	/	EM Clamp	/
Signal/control	/		/	/	EM Clamp	/

*Remark: There was no change compared with initial operation during the test*

## 5.7. Power Frequency Magnetic Field Immunity Test

**RESULT** : **Pass**  
 Test procedure : EN 55035:2017+A11:2020  
 Basic standard : EN 61000-4-8:2010  
 Test specification : 1 A/m  
 Performance criterion : A

### Test Setup

Date of test : Aug. 17, 2017  
 Model No. : FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D,  
 FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000,  
 FJ-SW20173301970, FJ-SW20175401200  
 Input Voltage : AC 230V/50Hz  
 Operation Mode : Full Load, Half Load  
 Temperature : 24.6°C  
 Humidity : 42%  
 Pressure : 101.70kPa

The EUT was subjected to the test magnetic field by using the induction coil of standard dimensions (1m\*1m). The induction coil then was rotated by 90° in order to expose the EUT to the test field with different orientations.

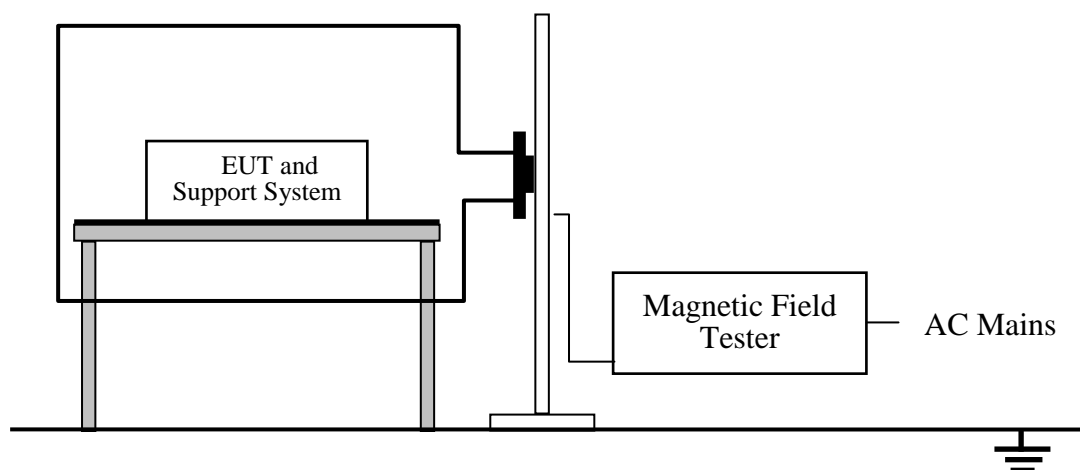


Table 6: Power Frequency Magnetic Field Immunity Test Result

Test Level	Testing Duration	Coil Orientation	Criterion	Result
1A/m	5 mins	X	A	Pass
1A/m	5 mins	Y	A	Pass
1A/m	5 mins	Z	A	Pass

*Remark: There was no change compared with initial operation during the test*

## 5.8. Voltage Dips and Short Interruptions Immunity Test

**RESULT** : **Pass**

Test procedure : EN 55035:2017+A11:2020

Basic standard : EN 61000-4-11:2004

Test specification : 0% UT ; 0.5P, Criterion: B  
70% UT; 25P/30P, Criterion: C  
0% UT; 250P/300P, Criterion: C

### Test Setup

Date of test : Aug. 17, 2017

Model No. : FJ-SW20170906000D, FJ-SW20171086000D, FJ-SW20173301970D,  
FJ-SW20175401200D, FJ-SW20170906000, FJ-SW20171086000,  
FJ-SW20173301970, FJ-SW20175401200

Input Voltage : AC 230V/50Hz, AC 110V/60Hz

Operation Mode : Full Load, Half Load

Temperature : 23.6°C

Humidity : 48%

Pressure : 101.70kPa

The interruptions was introduced at selected phase angles with specified duration.  
Recorded any degradation of performance.

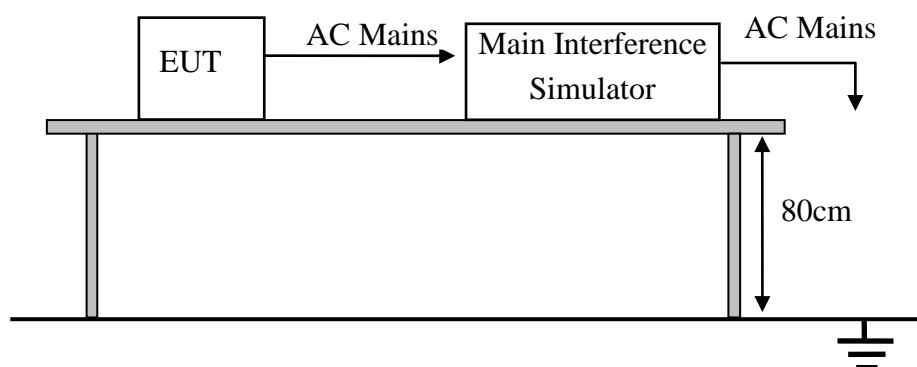


Table 7: Voltage Dips and Short Interruptions Immunity Test Result AC 230V/50Hz

Test Level % UT	Voltage Dips & Short Interruptions % UT	Duration (in period)	Criterion	Result
0	100	0.5P	B	PASS
70	30	25P	C	PASS
0	100	250P	C	PASS

*Remark: The EUT was Stopped during the test, but self-recoverable after the test.*

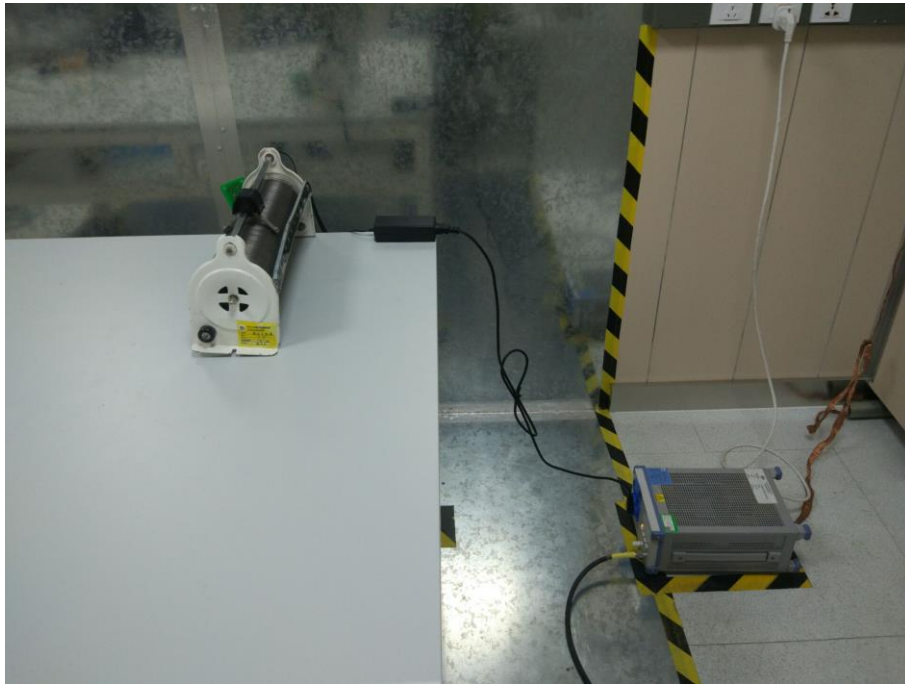
Table 7: Voltage Dips and Short Interruptions Immunity Test Result AC 110V/60Hz

Test Level % UT	Voltage Dips & Short Interruptions % UT	Duration (in period)	Criterion	Result
0	100	0.5P	B	PASS
70	30	30P	C	PASS
0	100	300P	C	PASS

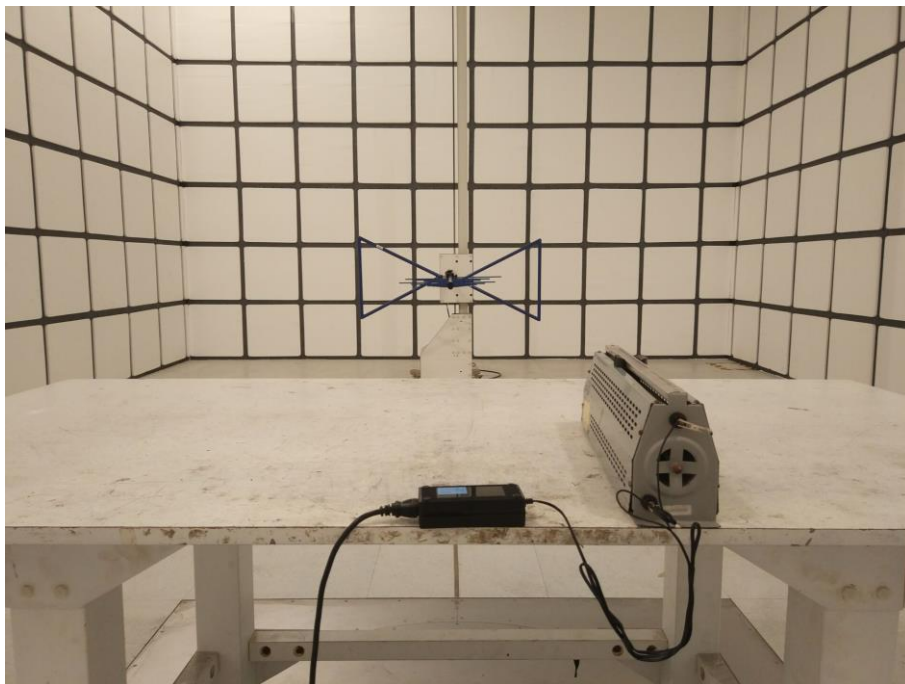
*Remark: The EUT was Stopped during the test, but self-recoverable after the test.*

## 6. PHOTOGRAPHS OF TEST SET-UP

### 6.1.Set-up for Conducted Emission at the Mains Terminals Test



### 6.2.Set-up for Radiated Emission Test



### 6.3.Set-up for Harmonic Current Emissions and Flicker on AC Mains Test

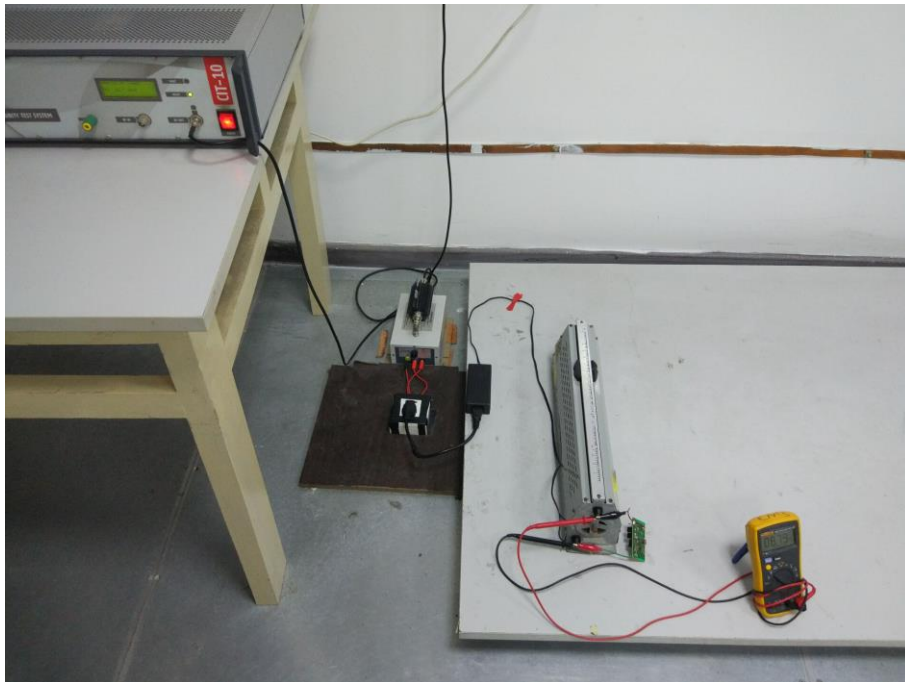


### 6.4.Set-up for Electrostatic Discharge Immunity Test





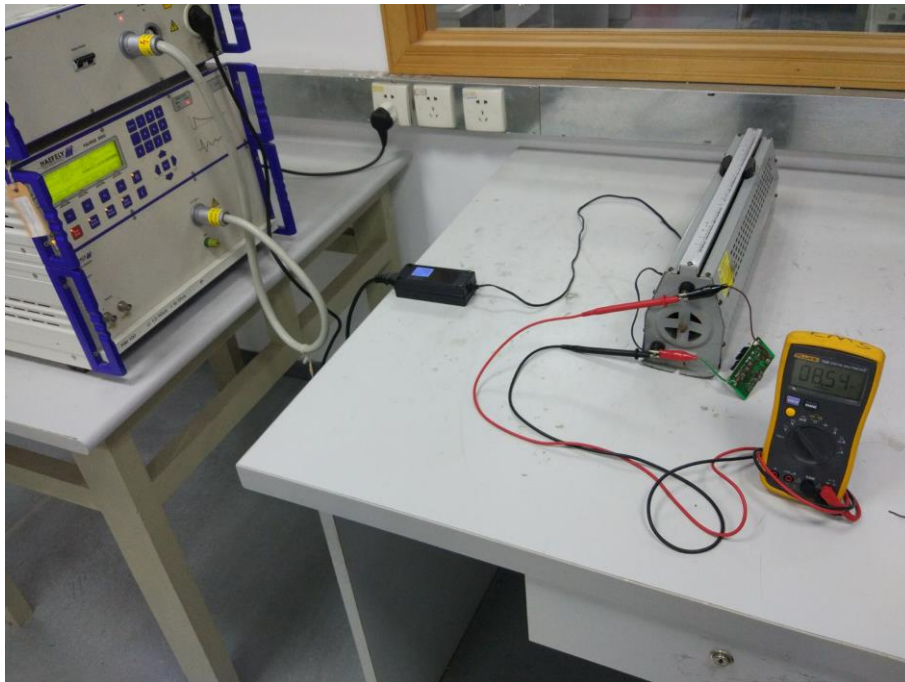
### 6.5.Set-up for Radio Frequency Electromagnetic Field Immunity Test



### 6.6.Set-up for Electrical Fast Transient/Burst Immunity Test



### 6.7.Set-up for Surge Immunity Test



### 6.8.Set-up for Voltage Dips and Short Interruptions Immunity Test



## 7. PHOTOGRAPHS OF THE EUT

**FJ-SW2017xxxxyyy Series**

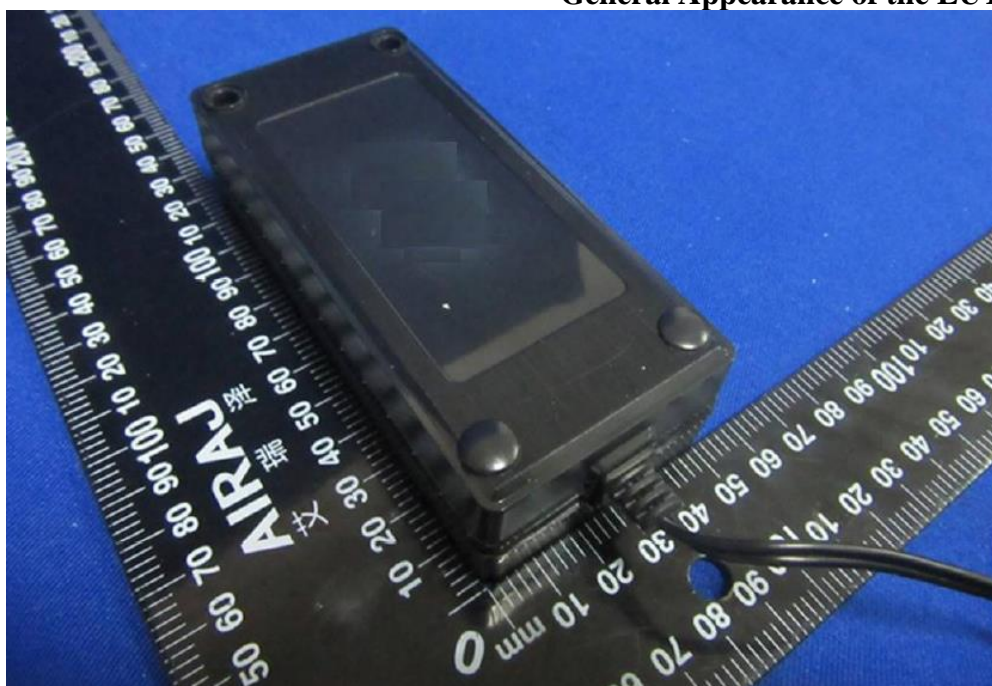
**Figure 1**

**General Appearance of the EUT**



**Figure 2**

**General Appearance of the EUT**

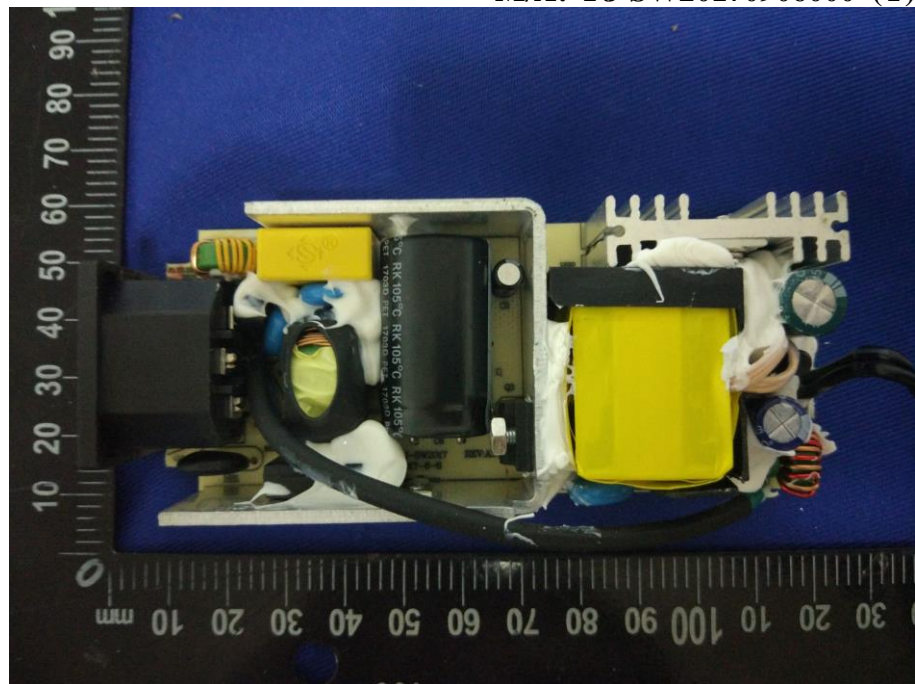




**Figure 3**  
**General Appearance of the EUT**

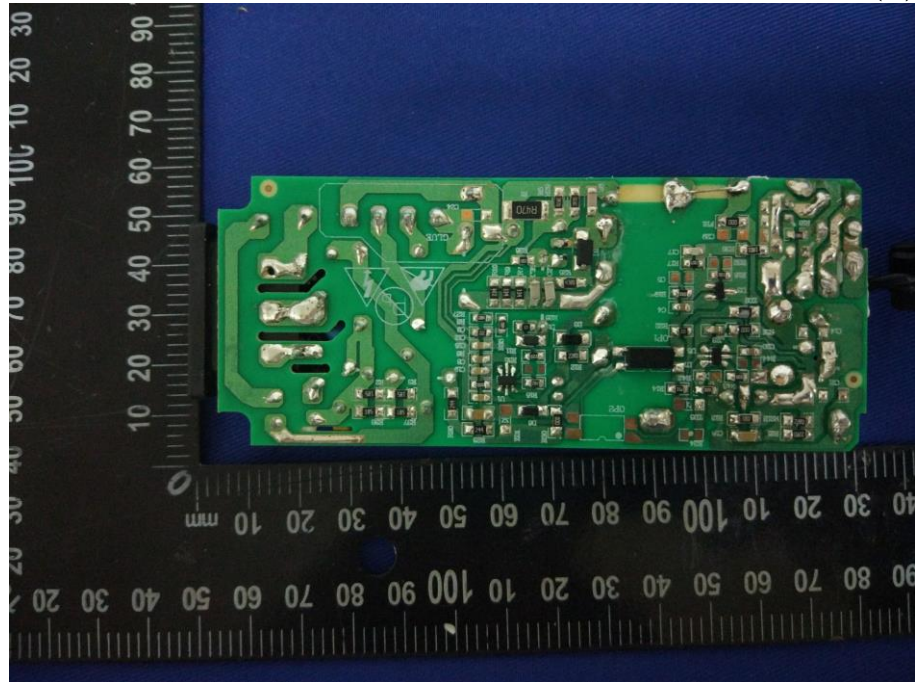


**Figure 4**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000 (Y)**

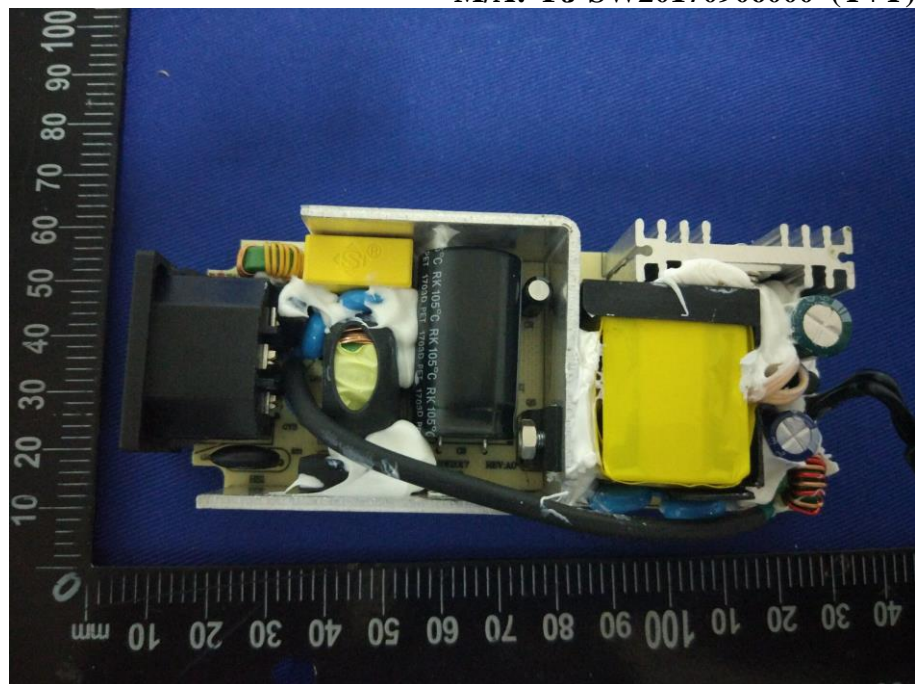


Heat shrinkable tube used on earthing wire is optional,  
which does not affect the EMC test

**Figure 5**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000 (Y)**



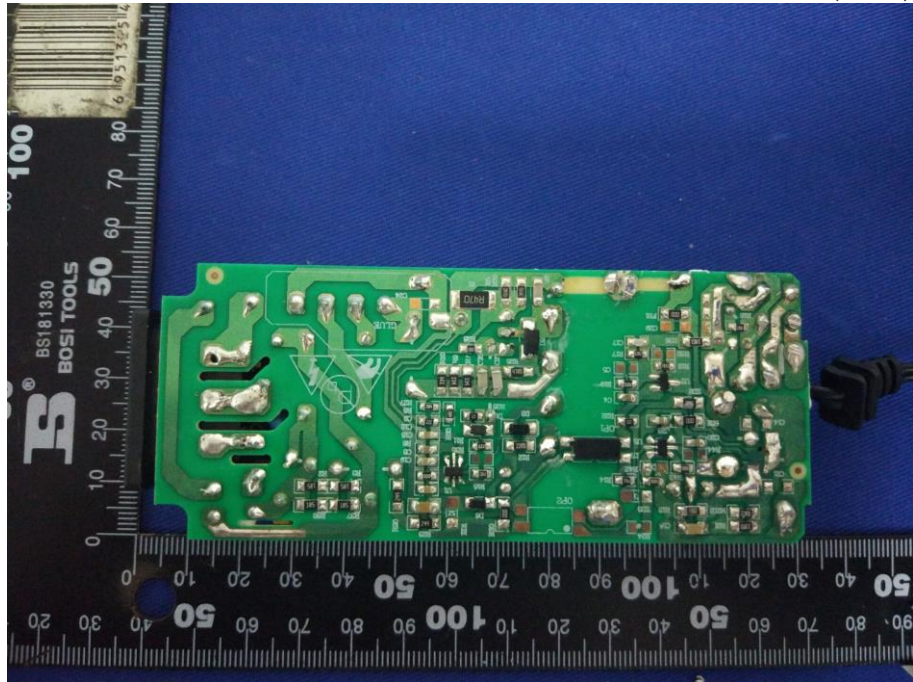
**Figure 6**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000 (Y+Y)**



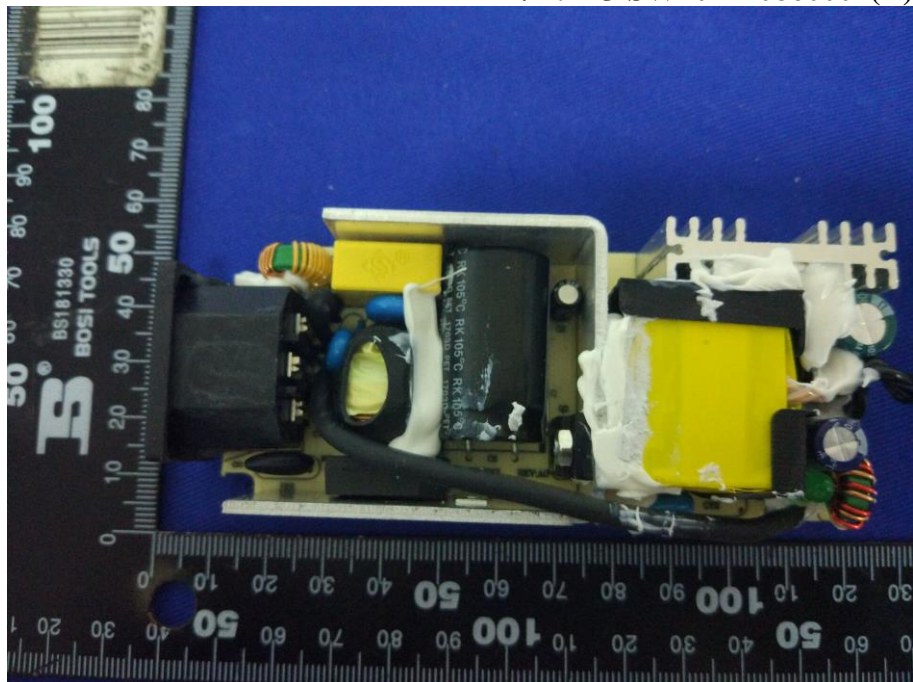
Heat shrinkable tube used on earthing wire is optional,  
which does not affect the EMC test



**Figure 7**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000 (Y+Y)**

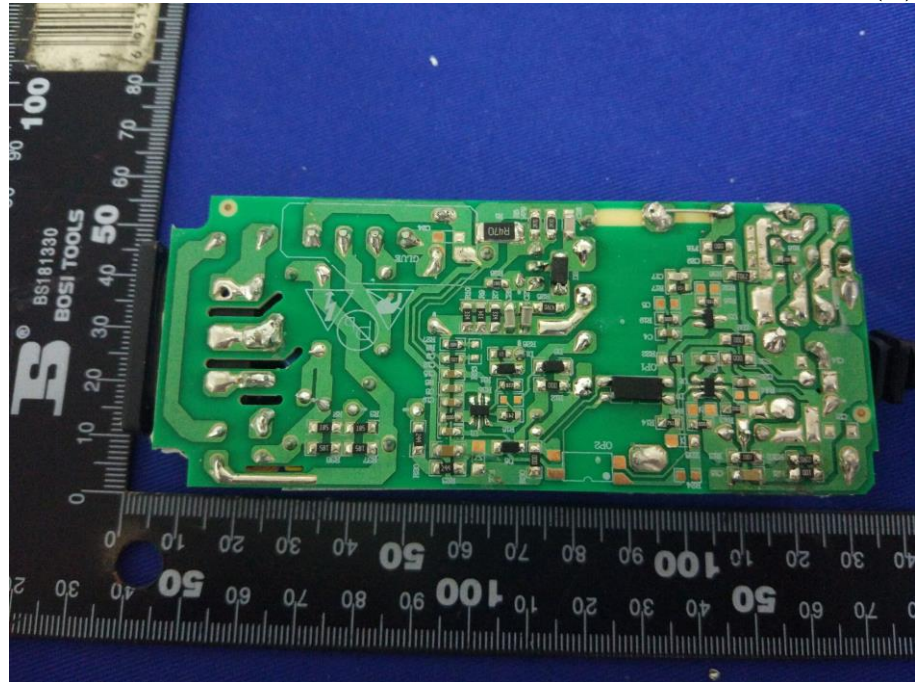


**Figure 8**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000 (Y)**

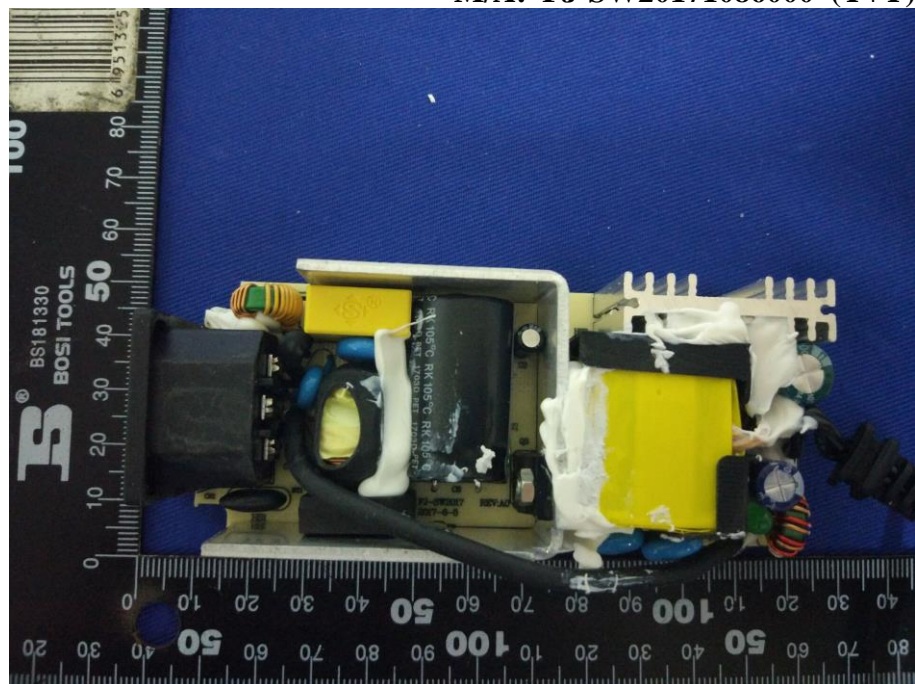


Heat shrinkable tube used on earthing wire is optional,  
 which does not affect the EMC test

**Figure 9**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000 (Y)**



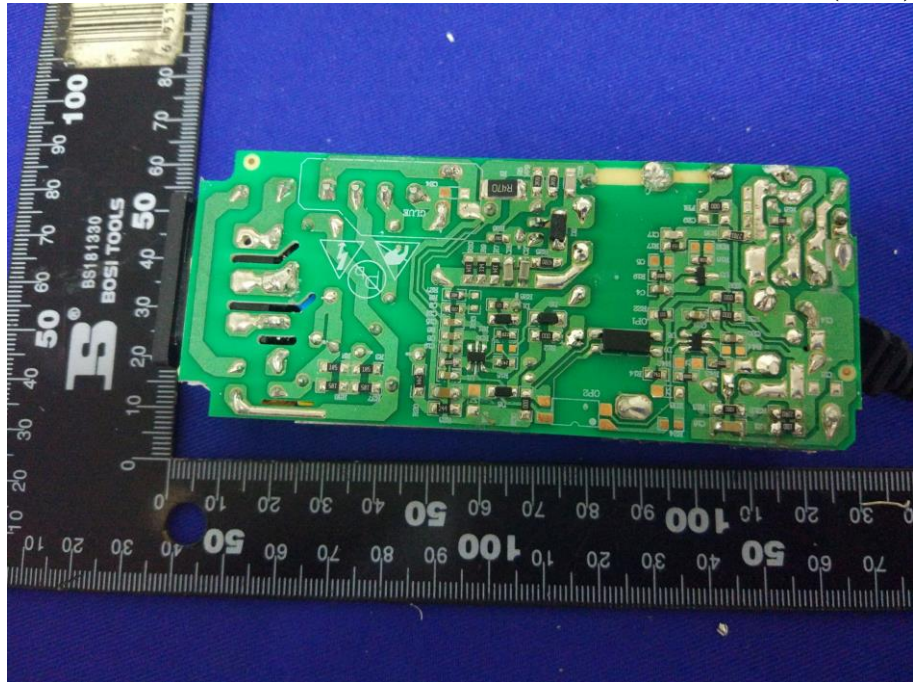
**Figure 10**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000 (Y+Y)**



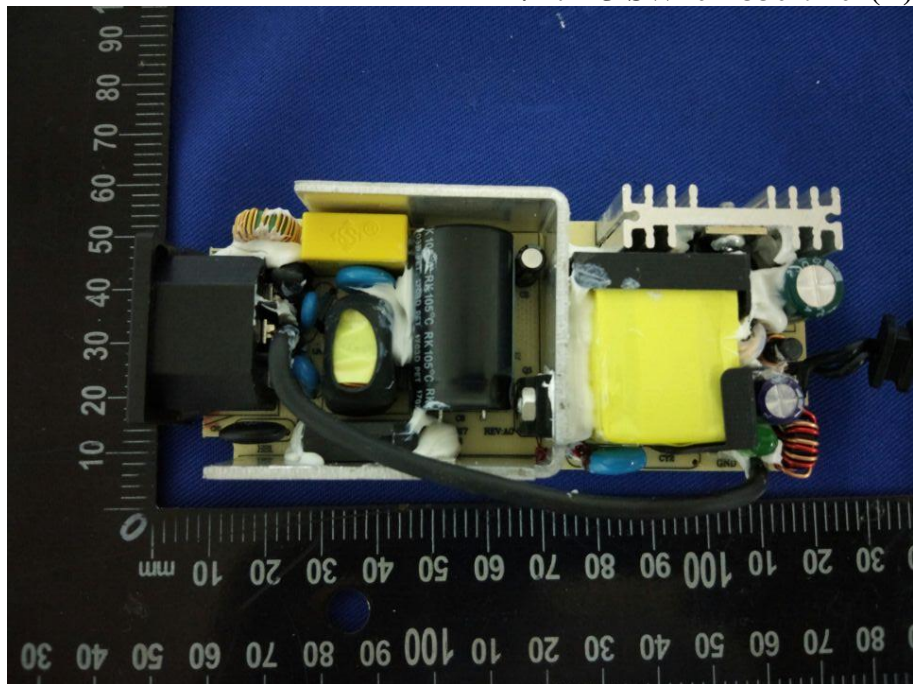
Heat shrinkable tube used on earthing wire is optional,  
 which does not affect the EMC test



**Figure 11**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000 (Y+Y)**



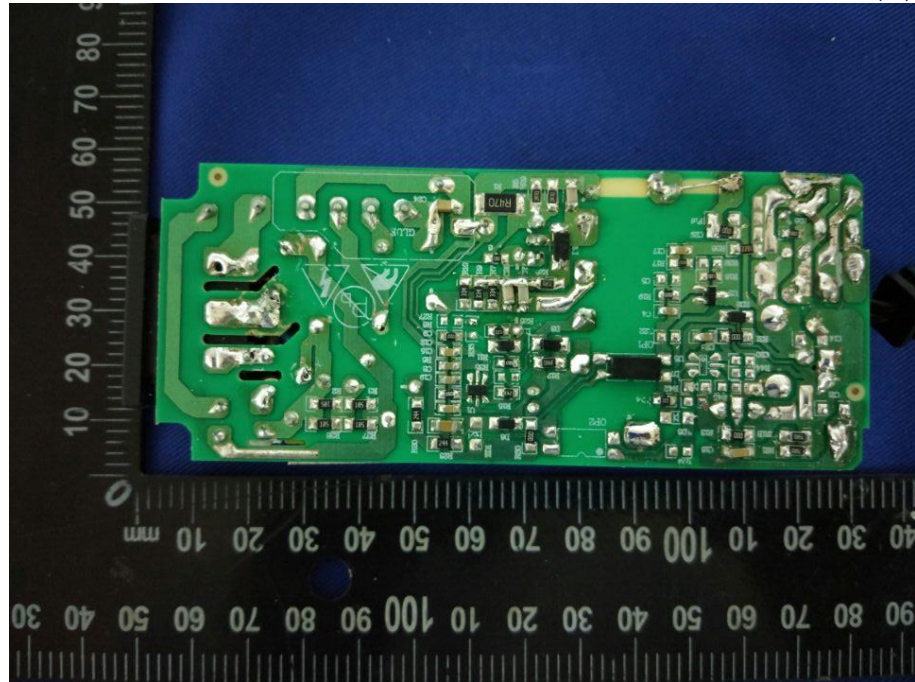
**Figure 12**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970 (Y)**



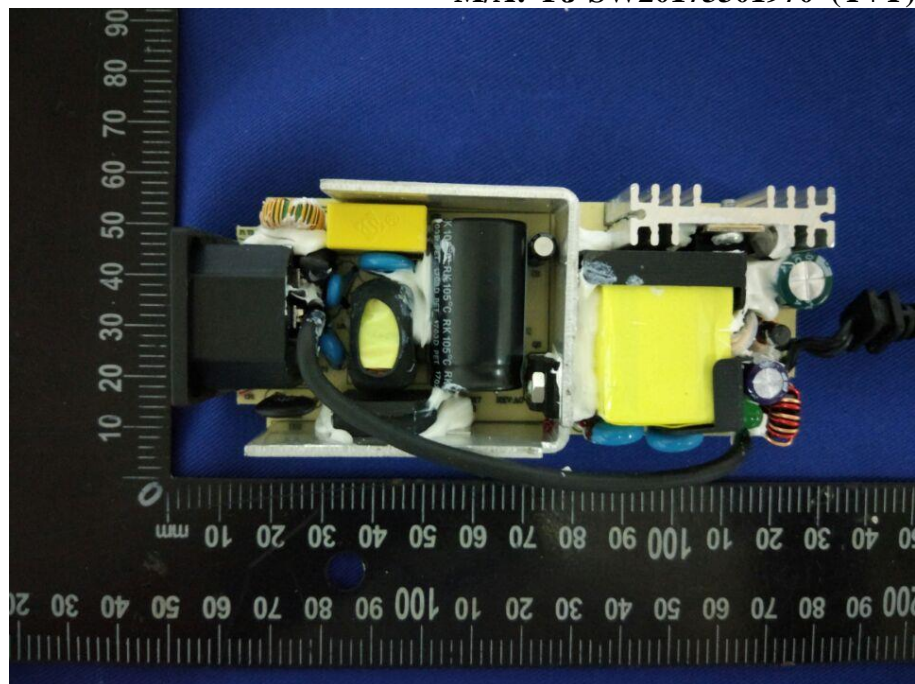
Heat shrinkable tube used on earthing wire is optional,  
 which does not affect the EMC test



**Figure 13**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970 (Y)**

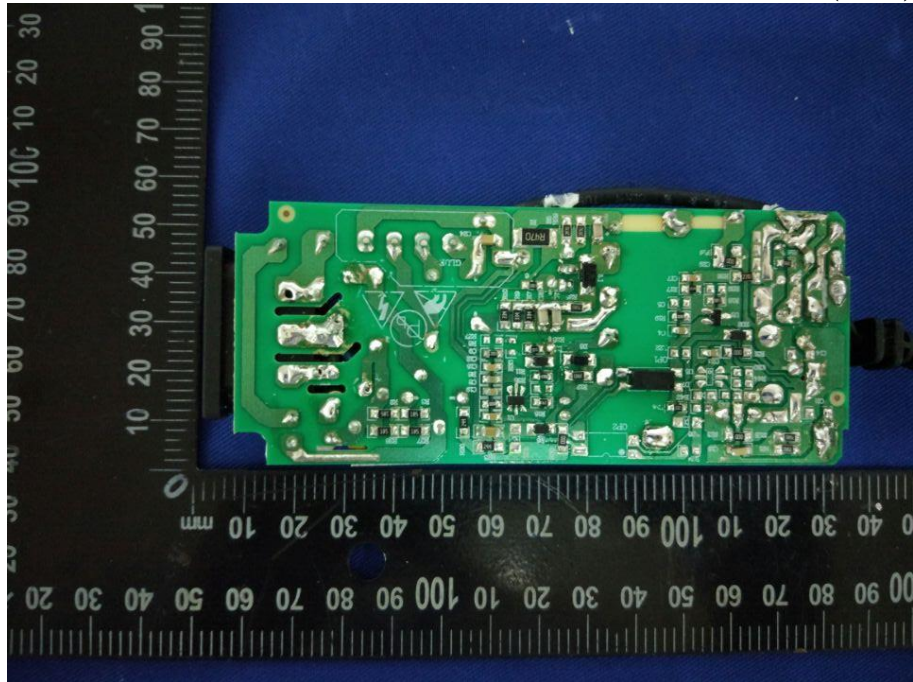


**Figure 14**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970 (Y+Y)**

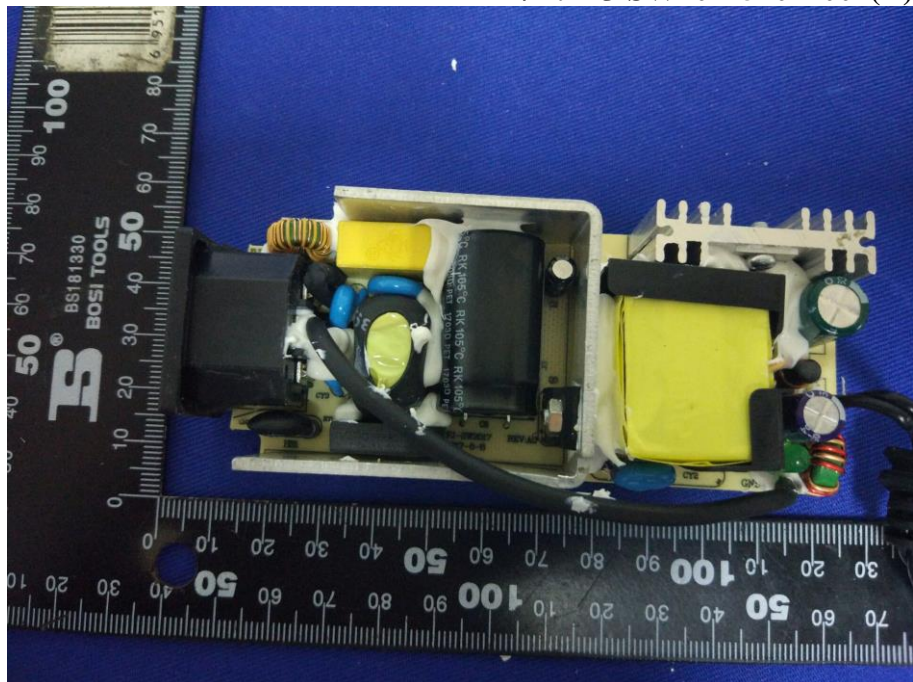


Heat shrinkable tube used on earthing wire is optional,  
 which does not affect the EMC test

**Figure 15**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970 (Y+Y)**



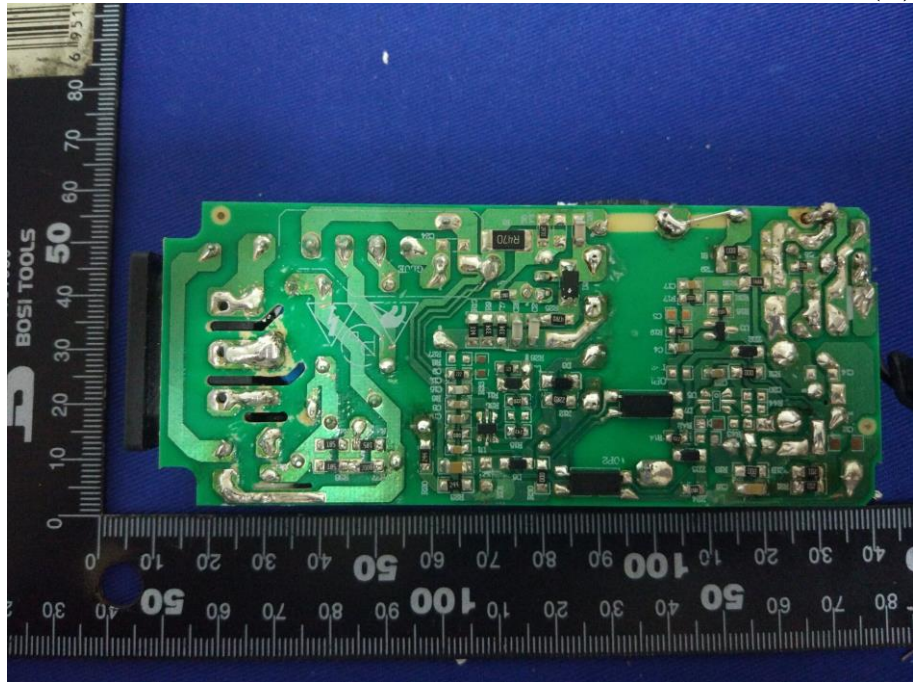
**Figure 16**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200 (Y)**



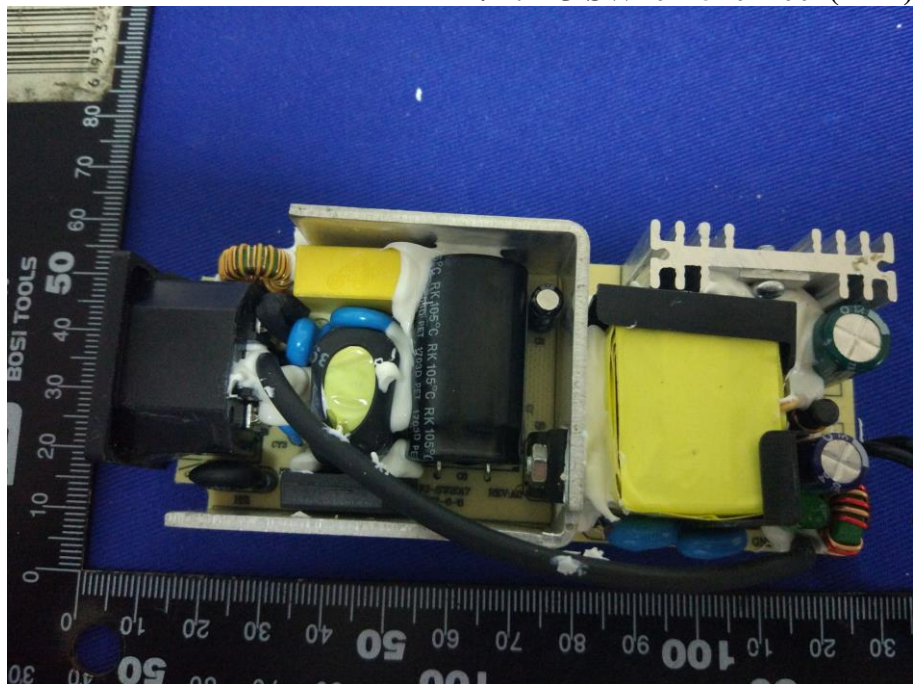
Heat shrinkable tube used on earthing wire is optional,  
 which does not affect the EMC test



**Figure 17**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200 (Y)**

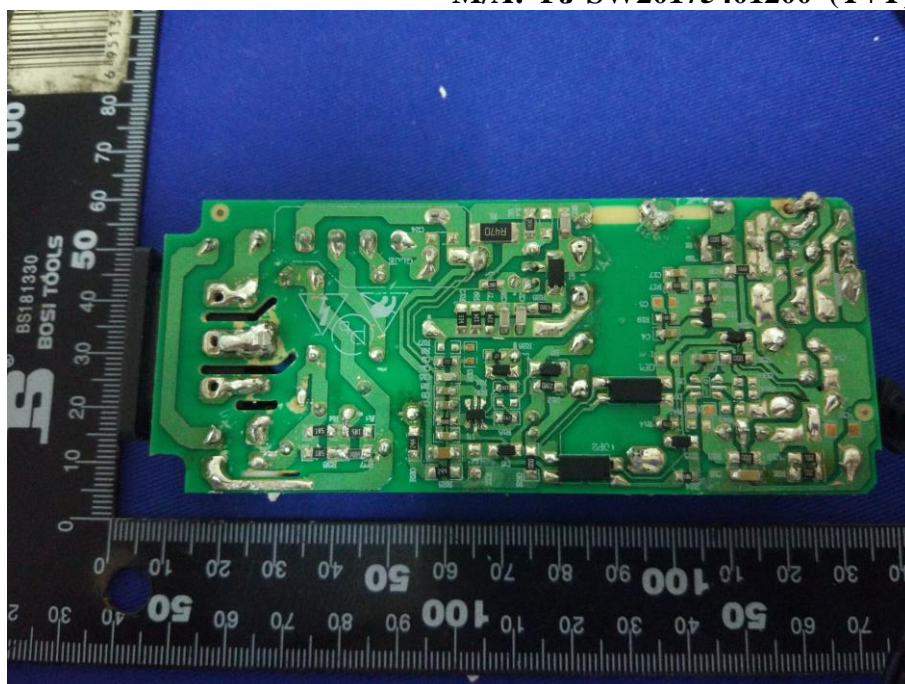


**Figure 18**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200 (Y+Y)**



Heat shrinkable tube used on earthing wire is optional,  
 which does not affect the EMC test

**Figure 19**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200 (Y+Y)**



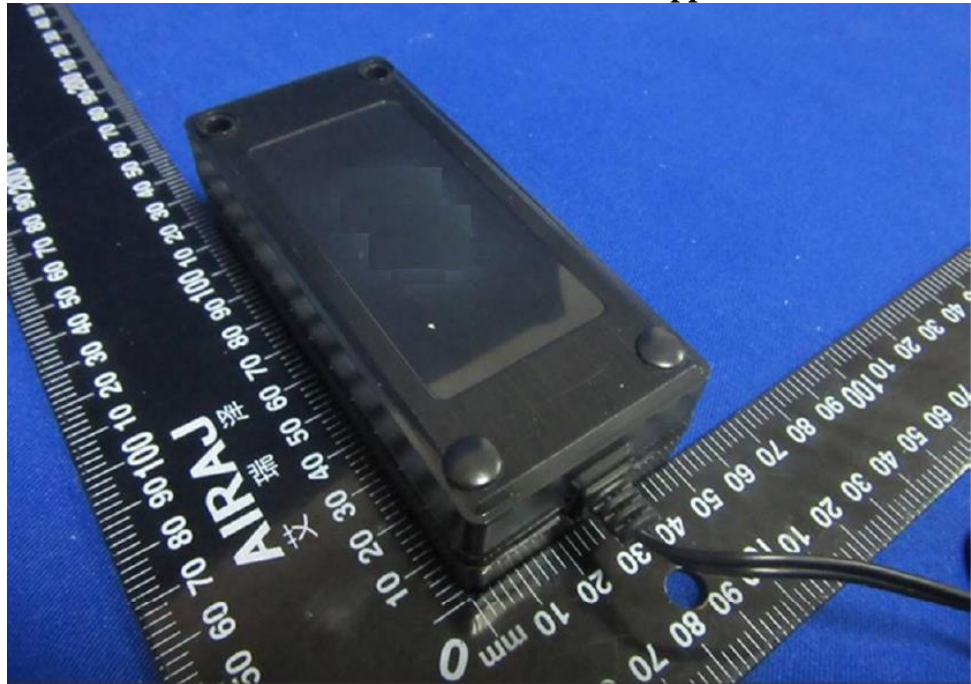
## **FJ-SW2017xxxxyyyD Series**

**Figure 20**  
**General Appearance of the EUT**





**Figure 21**  
**General Appearance of the EUT**



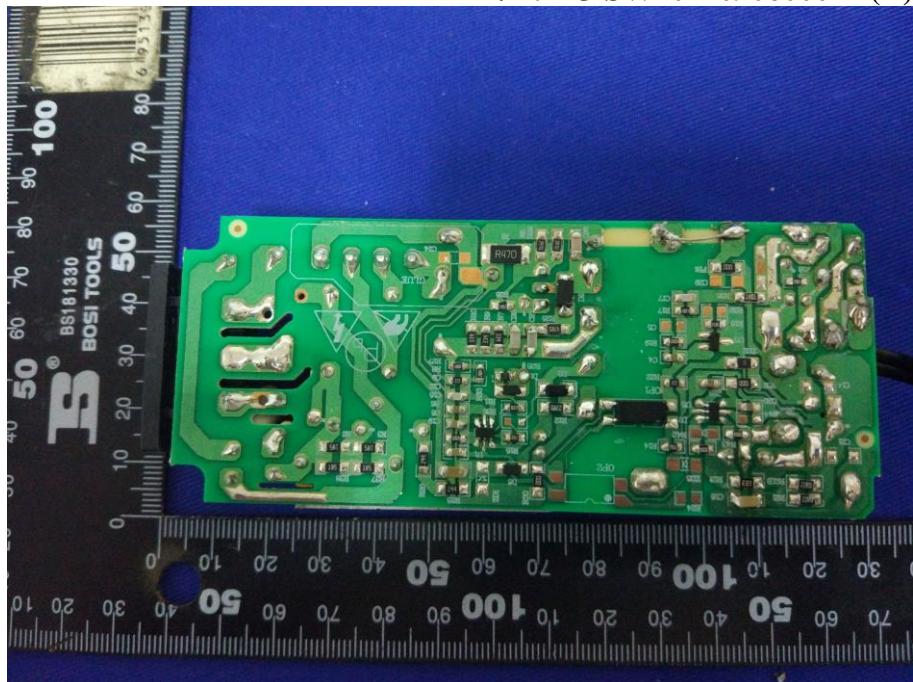
**Figure 22**  
**General Appearance of the EUT**



**Figure 23**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000D (Y)**

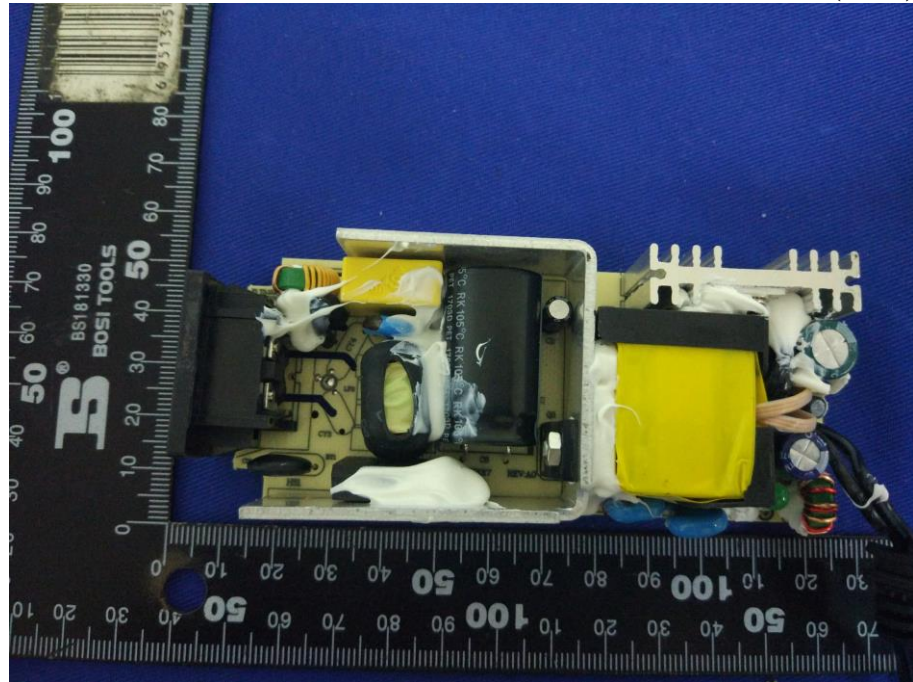


**Figure 24**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000D (Y)**

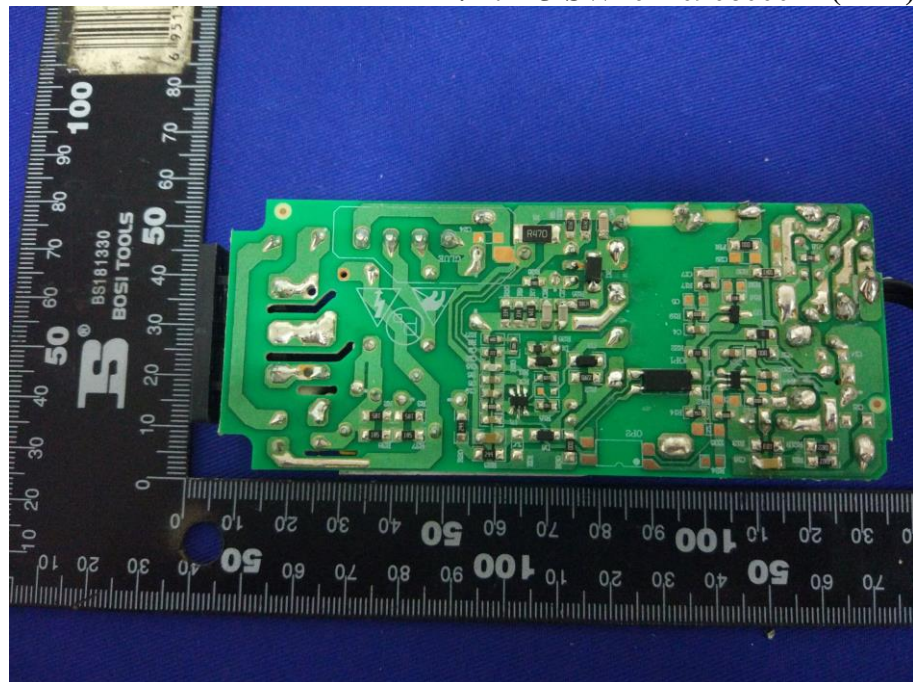




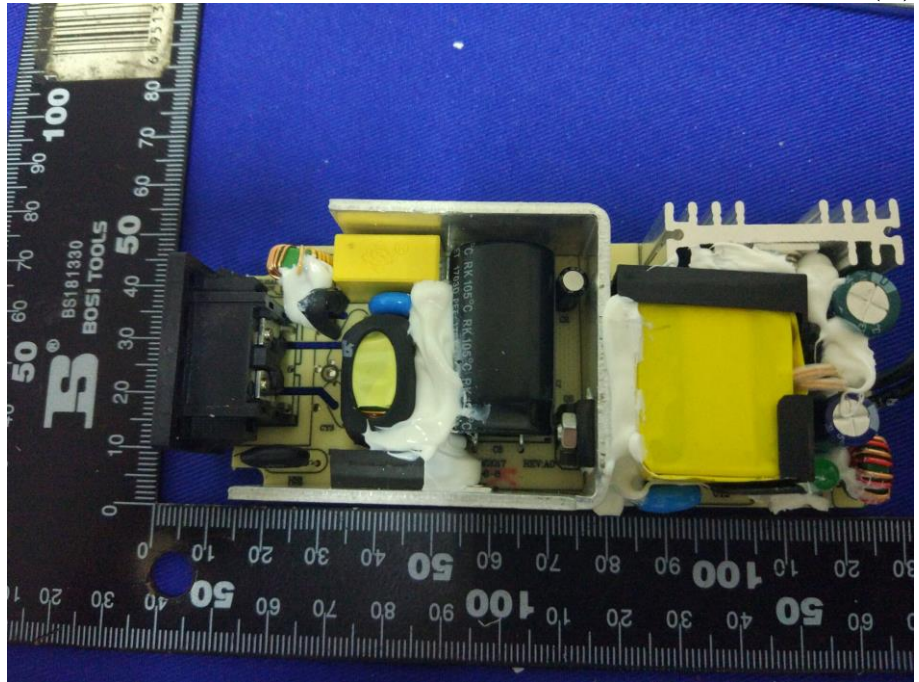
**Figure 25**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000D (Y+Y)**



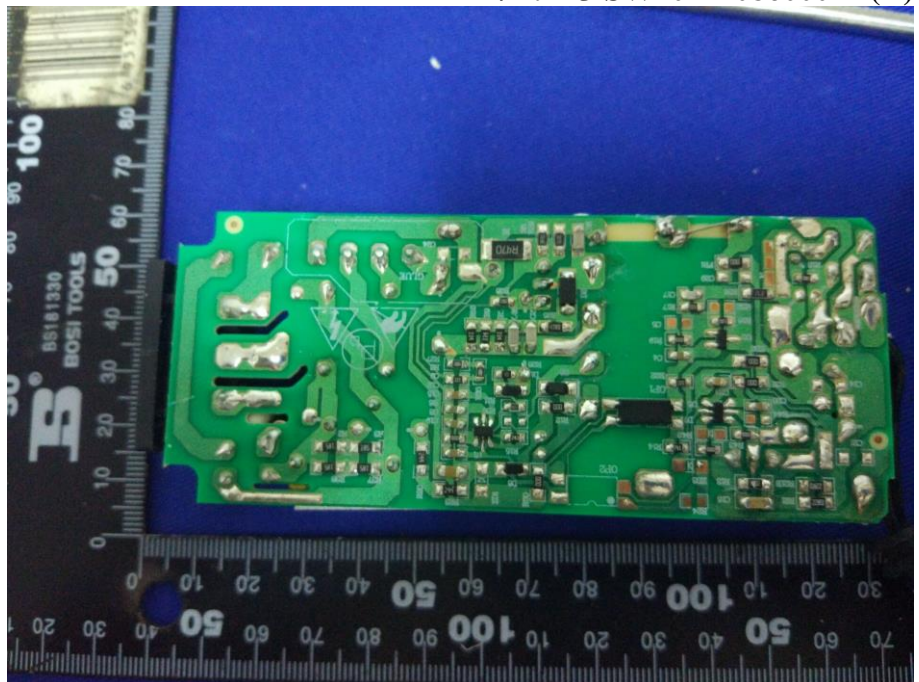
**Figure 26**  
**Inside View of the EUT**  
**M/A: FJ-SW20170906000D (Y+Y)**



**Figure 27**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000D (Y)**

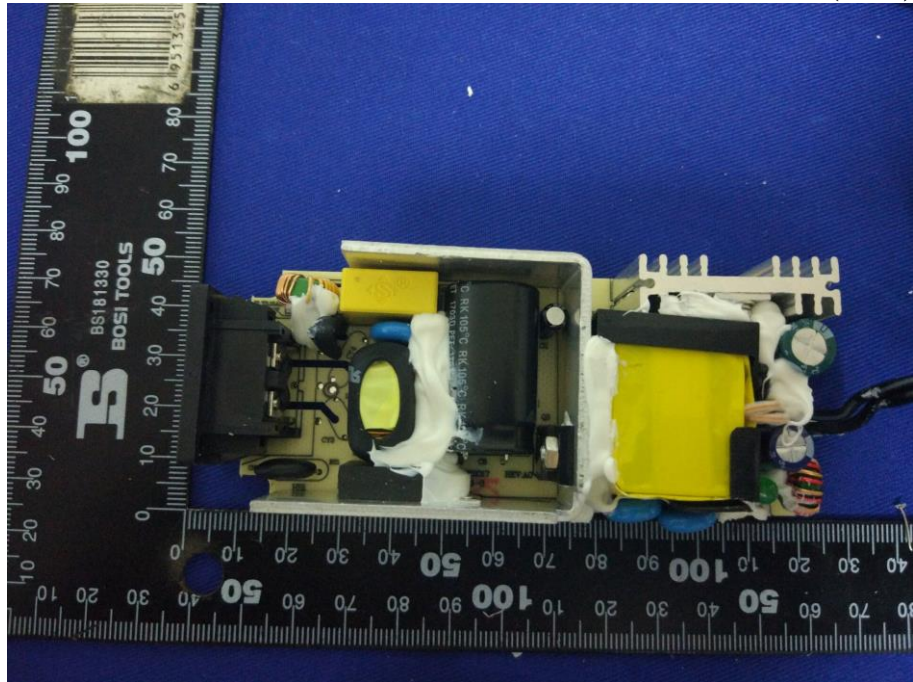


**Figure 28**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000D (Y)**

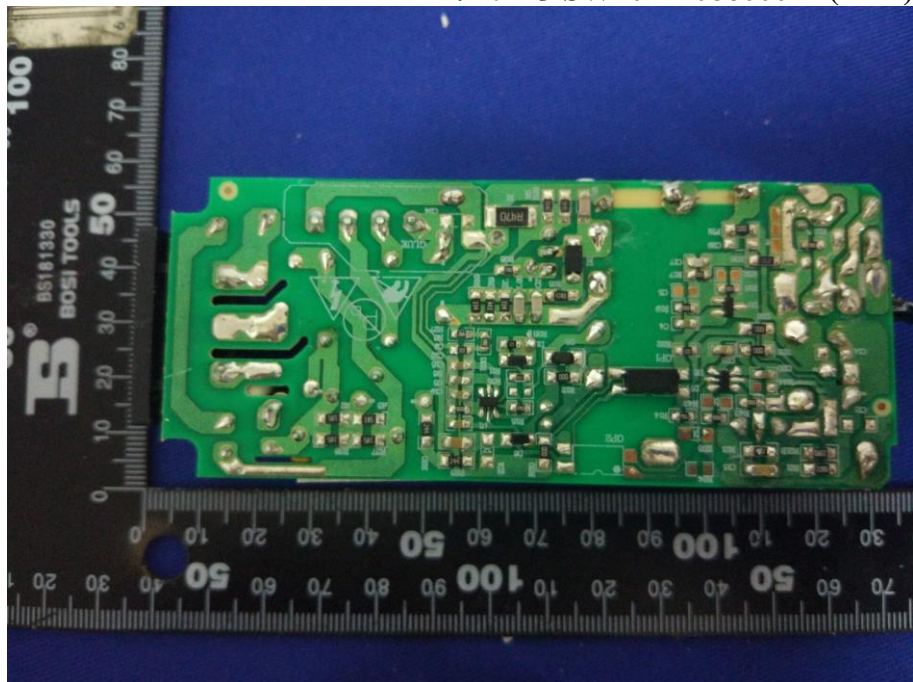




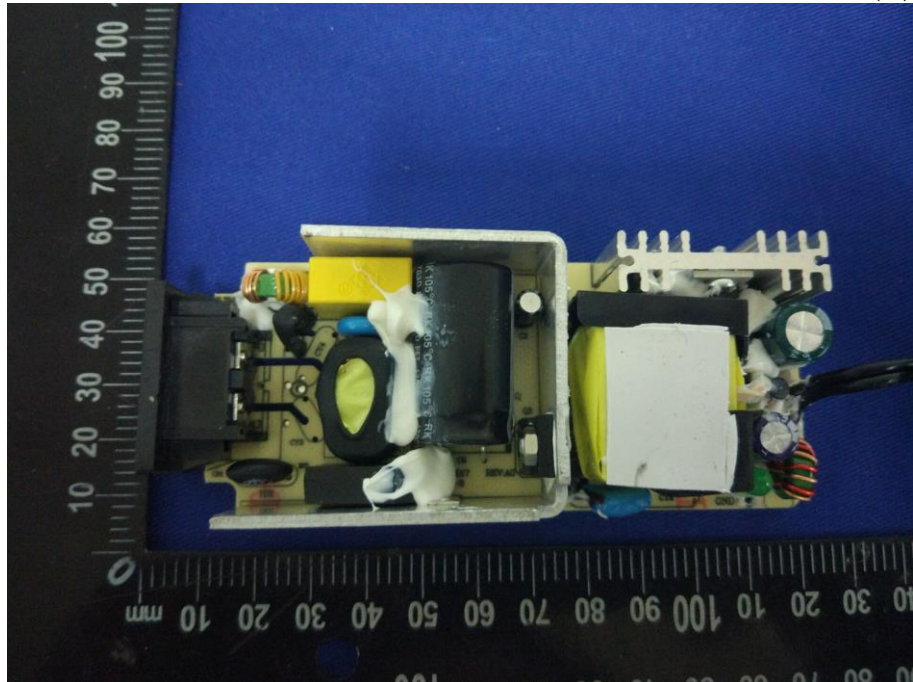
**Figure 29**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000D (Y+Y)**



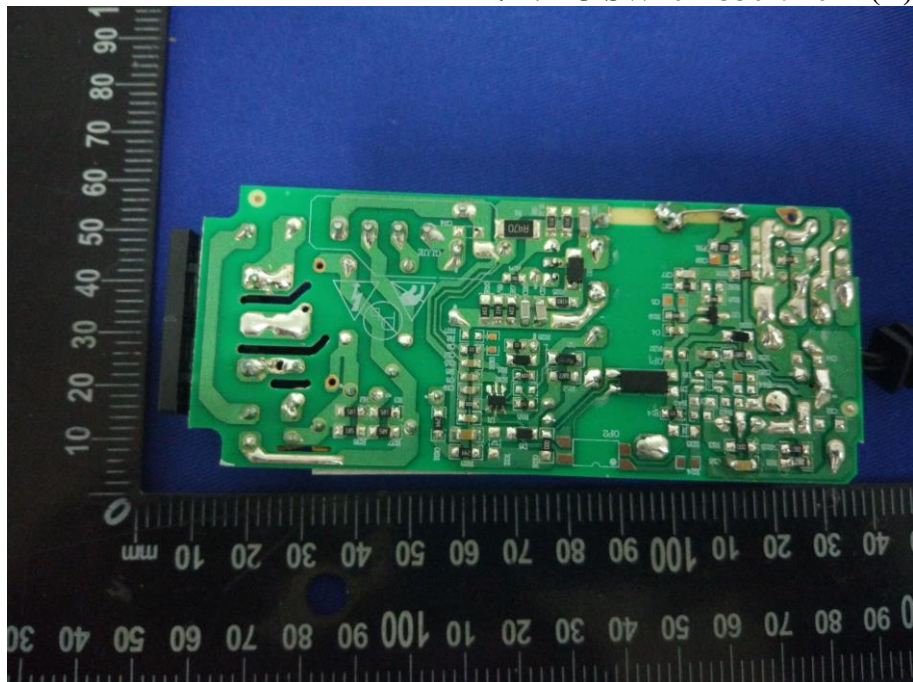
**Figure 30**  
**Inside View of the EUT**  
**M/A: FJ-SW20171086000D (Y+Y)**



**Figure 31**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970D (Y)**

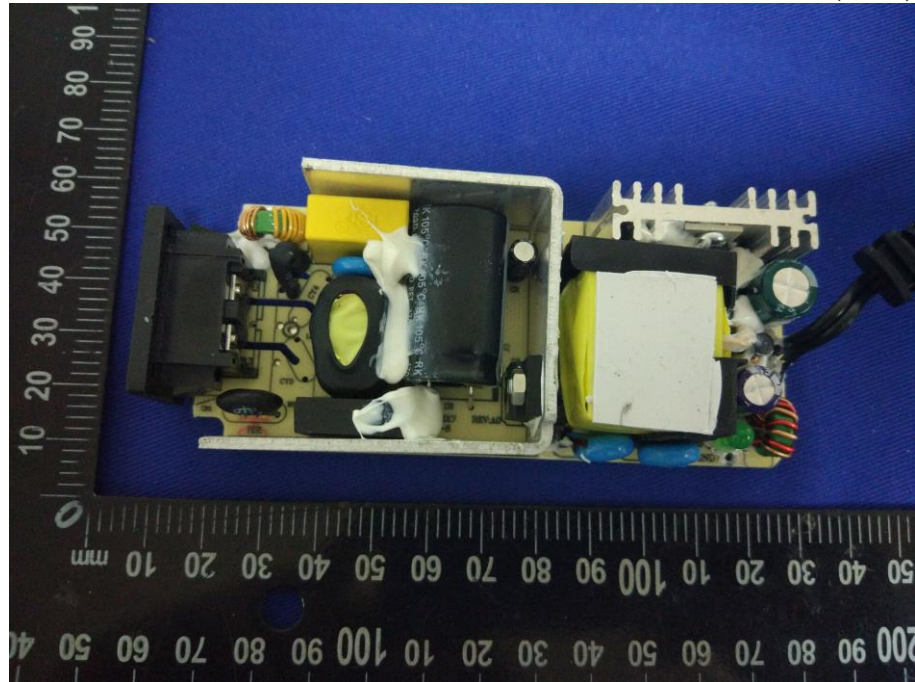


**Figure 32**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970D (Y)**

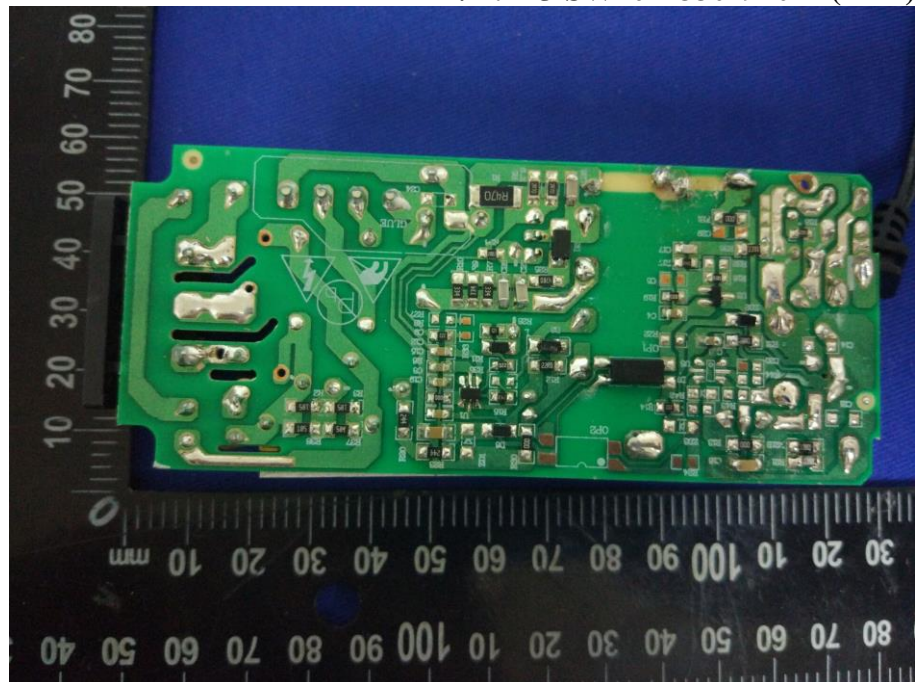




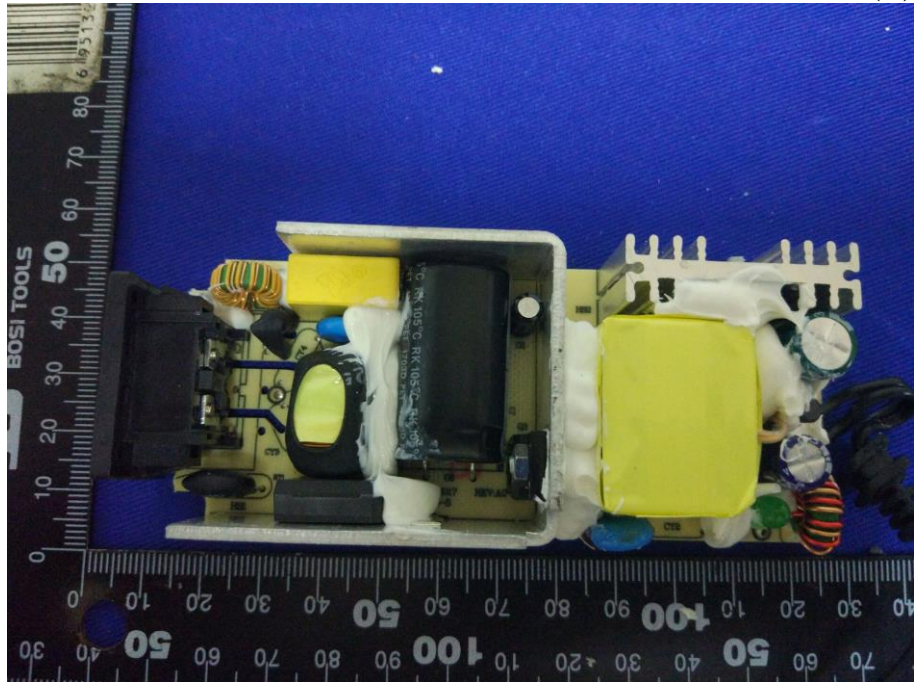
**Figure 33**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970D (Y+Y)**



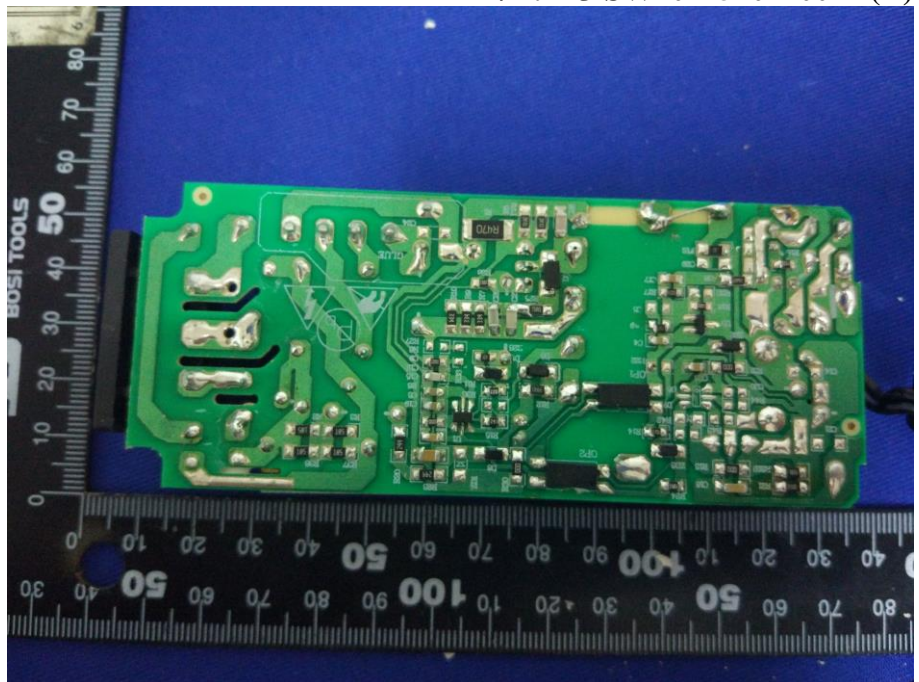
**Figure 34**  
**Inside View of the EUT**  
**M/A: FJ-SW20173301970D (Y+Y)**



**Figure 35**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200D (Y)**

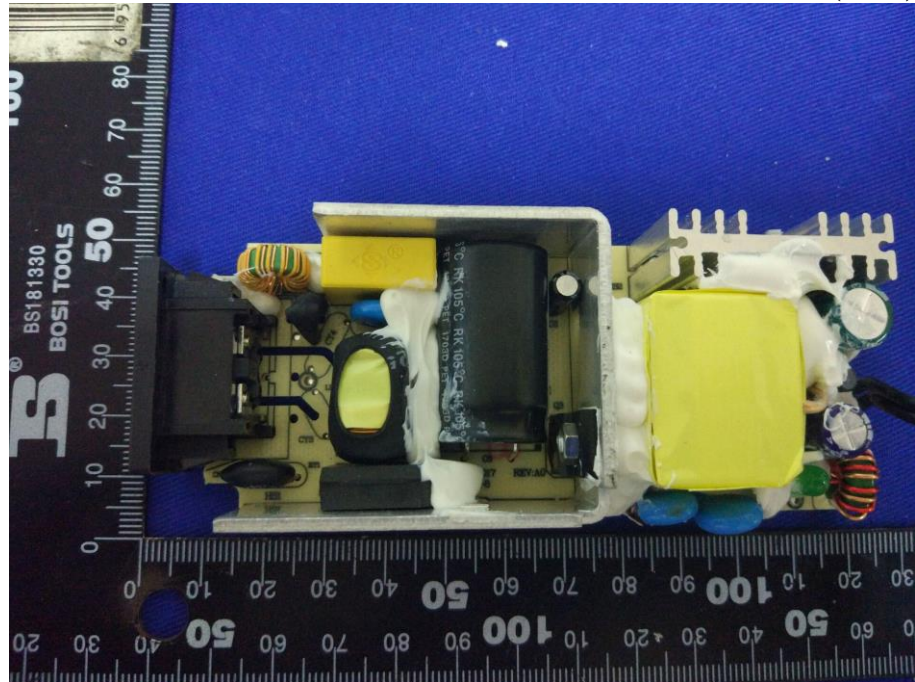


**Figure 36**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200D (Y)**

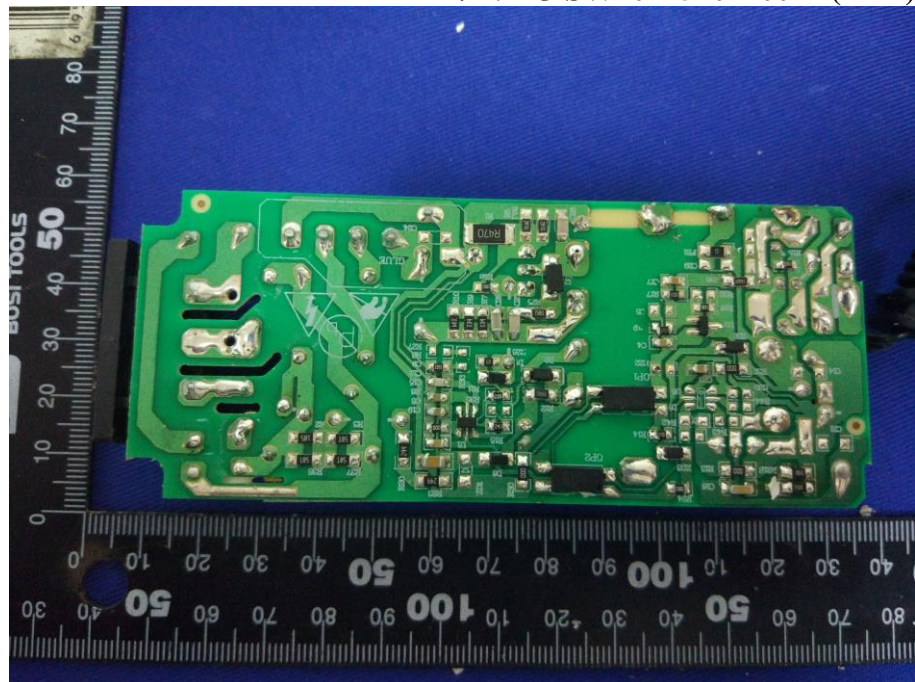




**Figure 37**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200D (Y+Y)**



**Figure 38**  
**Inside View of the EUT**  
**M/A: FJ-SW20175401200D (Y+Y)**



**End of Test Report**