

CE/EMC COMPLIANCE REPORT

For

GlobTek, Inc.

Switching Adapter


Prepared for : GLOBTek, Inc.

Address : 186 Veterans Dr., NJ 07647

Date of Report : Aug. 15, 2019

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Applicant:	GlobTek, Inc.		
Address:	186 Veterans Dr., Northvale, NJ 07647		
Manufacturer:	GlobTek, Inc.		
Address:	186 Veterans Dr., Northvale, NJ 07647		
E.U.T:	Switching Adapter		
Model Number:	GT-86182-1812-WF2x-USB		
Trade Name:	 GlobTek, Inc.		
Date of Receipt:	Nov. 28, 2016; Nov. 10, 2018; Dec. 08, 2018; Mar. 16, 2019	Date of Test:	Nov. 28, - Dec. 01, 2016; Nov. 10-14, 2018; Dec. 08-18, 2018; Mar. 16-19, 2019
Test Specification:	EN 55032:2015 CISPR32: 2012 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 CISPR35: 2016		
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied.		
Issue Date: Apr. 17. 2019			

1. GENERAL PRODUCT INFORMATION

1.1. Product Function

Refer to Technical Construction Form and User Manual.

1.2. Description of Device (EUT)

Description : Switching Adapter
Model No. : GT-86182-1812-WF2x-USB
System Input Voltage : AC 100-240V, 50/60Hz, 0.8A
USB Line : Shielded, Detachable 0.8m

1.3. Difference between Model Numbers

Output rating see below:

MODEL	INPUT	OUTPUT		
		Voltage range (Vdc)	Current range (A)	Max. power (W)
GT-86182-1812-WF2x-USB	100-240Vac, 50/60Hz, 0.8A	3.6-6.0	2.0-3.0	18.0
		6.0-9.0	1.5-2.0	
		9.0-12.0	1.2-1.5	
		5.0	2.0-3.0	
		9.0	2.0	
		12.0	1.5	

Note:

‘x’ can be EU, UP, UK, US, UJ, JP, CH, IN, AU, KA, KR, AN, AR, BZ , SA or AF; EU or UP means European plug used, UK means British plug used, US or UJ means American plug used, CH means Chinese plug used, IN means Indian plug used, AU means Australian plug used, KA or KR means Korea plug used, JP or US means Japanese plug used, AN or AR means Argentina plug used, BZ means Brazilian plug used, SA or AF means South Africa plug used.

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)			
Description of Test Item	Standard	Limits	Results
Conducted disturbance at mains terminals	EN 55032:2015	Class B	PASS
		Minimum passing margin is 12.89dB at 0.20MHz	
Asymmetric mode conducted emissions	EN 55032:2015	Class B	N/A
		More than *** dB below the limit line.	
Radiated disturbance	EN 55032:2015	Class B	PASS
		Minimum passing margin is 15.02dB at 226.91MHz	
Harmonic current emissions	EN 61000-3-2:2014	Class A	N/A
Voltage fluctuations & flicker	EN 61000-3-3:2013	Section 4.4	PASS

IMMUNITY (EN 55035:2017)				
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	A	PASS
Voltage interruptions		C	B	PASS
N/A is an abbreviation for Not Applicable.				

2.3.List of Test and Measurement Instruments

2.3.1. For conducted emission at the mains terminals test (1# conduction)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June 15,18	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	101260	June 15,18	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June 15,18	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	ESVS10	100004	June 15,18	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	June 15,18	1 Year
Signal Amplifier	Agilent	310N	187037	June 15,18	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June 15,18	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	1642A03400	June 15,18	1 Year
Voltage Source	California Instruments	3001IX-208	1641A00463	June 15,18	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	174153	June 15,18	1 Year

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

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Signal Generator	Agilent	N5181A	MY47070160	May 10,18	1 Year
Power Amplifier	SKET	HAP801000M-250W	201804008	May 10,18	1 Year
Power Amplifier	SKET	HAP801000M-75W	201804009	May 10,18	1 Year
Power Amplifier	SKET	HAP801000M-50W	201804010	May 10,18	1 Year
Power Meter	Agilent	E4419B	GB40201469	May 10,18	1 Year
Power sensor	Agilent	E9300A	MY41498919	May 10,18	1 Year
Power sensor	Agilent	E9300A	US39211259	May 10,18	1 Year
Antenna	Schwarzbeck	STLP 9129	9129071	May 10,18	1 Year
E-Field Probe	Narda	EP-601	N/A	N/A	N/A
Test Software	EZ	EZ-RS	N/A	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	HAEFELY	ECOMPACT 4	173659	June 15,18	1 Year
Capacitive Coupling Clamp	HAEFELY	IP4A	181035	June 15,18	1 Year

Test Software	HAEFELY	emv check 2000	N/A	N/A	N/A
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2.3.7. For surge immunity test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Surge Controller	HAEFELY	PSURGE8000	174034	June 15,18	1 Year
Surge Impulse Module	HAEFELY	PIM100	174125	June 15,18	1 Year
Surge Coupling Network	HAEFELY	PCD100	174134	June 15,18	1 Year

2.3.8. For injected currents susceptibility test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
CS Test System	FRANKONIA	CIT-10	126A1163	June 15,18	1 Year
CDN	FRANKONIA	CDN-M2+M3	A2210150	June 15,18	1 Year
EM-Clamp	FRANKONIA	EMCL-20	132A1207	June 15,18	1 Year
Test Software	FRANKONIA	EN61000-4-6	N/A	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	ESTMFS100	June 15,18	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	HAEFELY	ECOMPACT 4	173659	June 15,18	1 Year
Test Software	HAEFELY	emv check 2000	N/A	N/A	N/A

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

3. TEST SET-UP AND OPERATION MODES

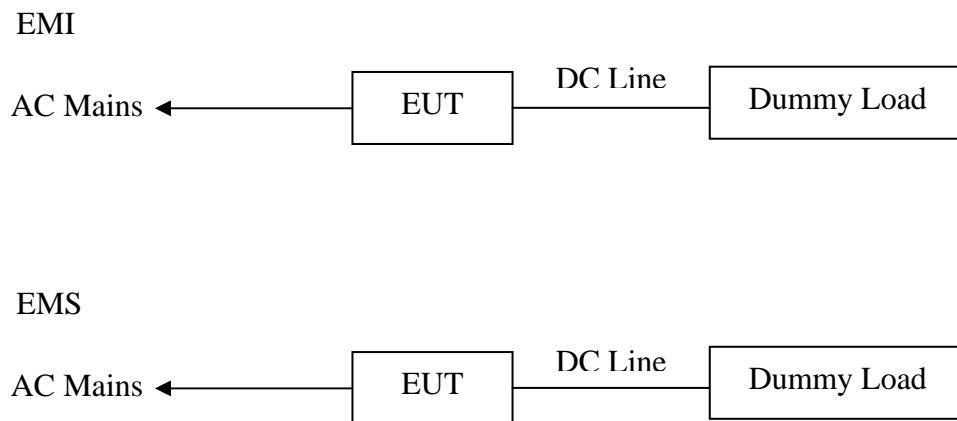
3.1. Principle of Configuration Selection

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 Adapter)

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
Frequency range : 0.15~30MHz
Test Site : Shielded Room
Limits : EN 55032:2015 Class B

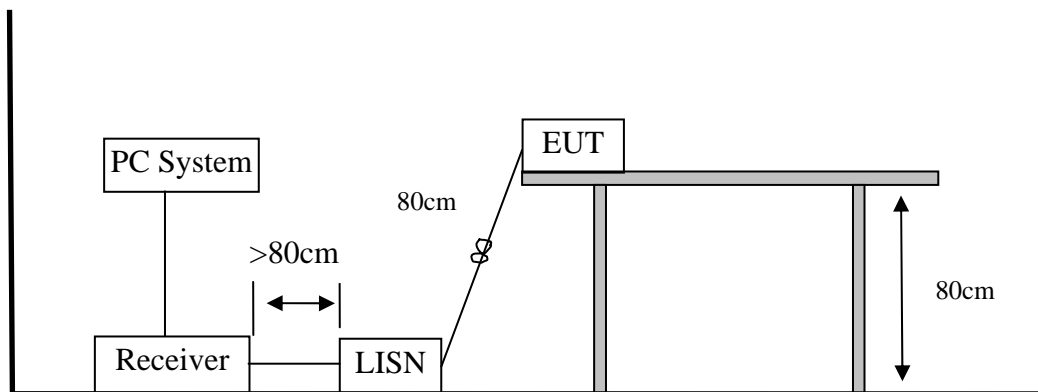
Test Setup

Date of test : Nov. 30, 2016; Dec. 12, 2018; Mar. 19, 2019
Model No. : GT-86182-1812-WF2x-USB
Input Voltage : AC 110V/60Hz, AC 230V/50Hz
Operation Mode : Full Load, Half Load, No Load

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

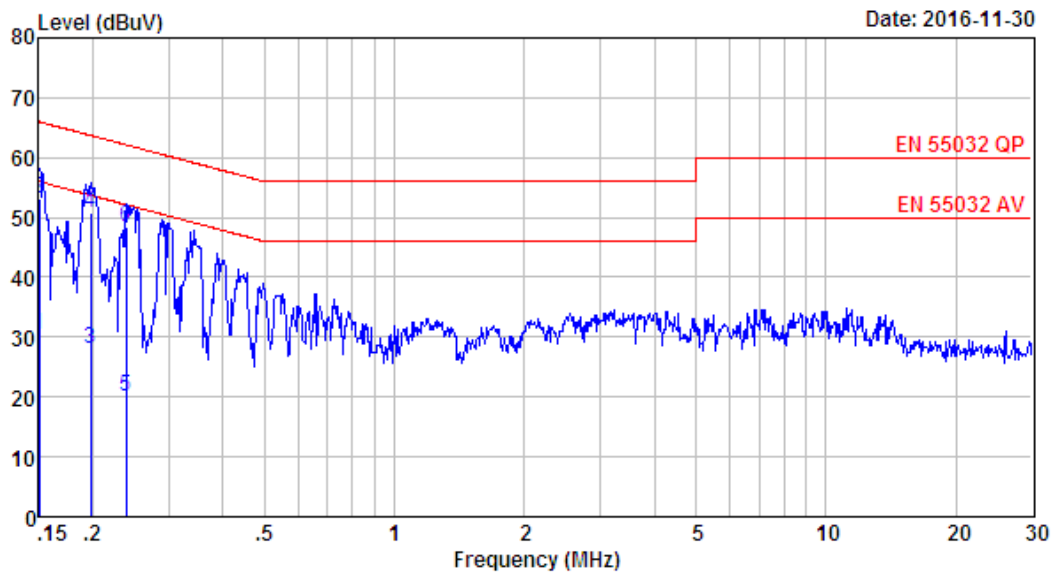
The bandwidth of the test receiver was set at 9 kHz.

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



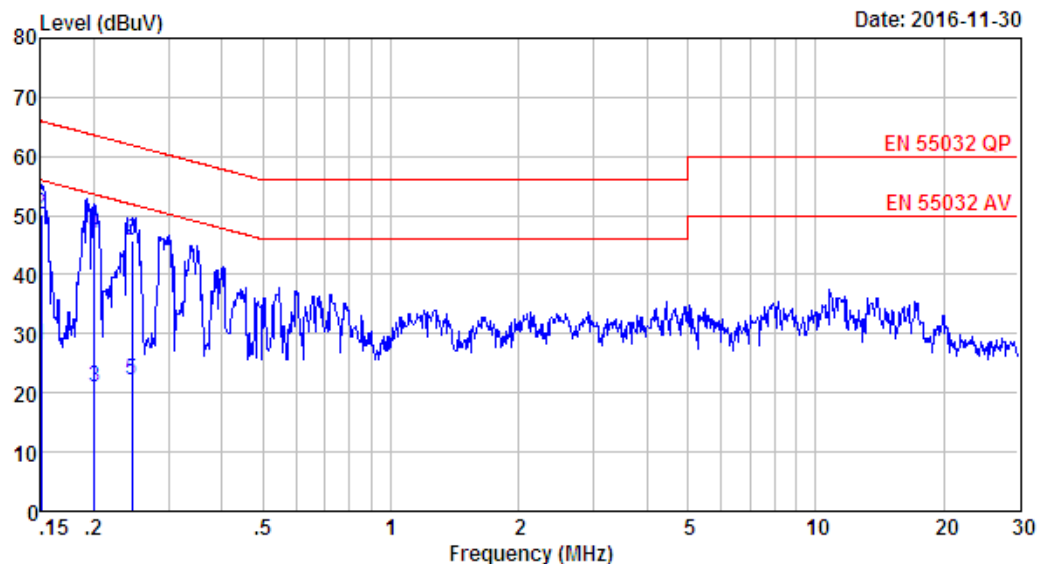
Note: Test uncertainty: $\pm 3.38\text{dB}$ at a level of confidence of 95%.

Test Data



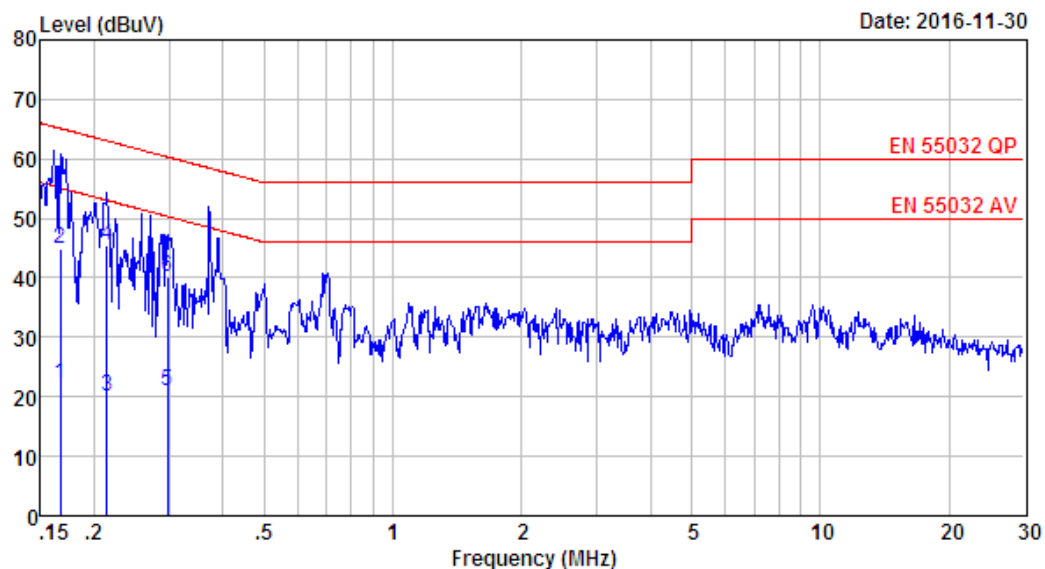
Site no : 844 Shield Room Data no. : 159
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:5V/3A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	9.46	9.81	11.23	30.50	56.00	25.50	Average
2	0.15	9.46	9.81	33.78	53.05	66.00	12.95	QP
3	0.20	9.60	9.80	8.60	28.00	53.71	25.71	Average
4	0.20	9.60	9.80	31.42	50.82	63.71	12.89	QP
5	0.24	9.60	9.82	0.58	20.00	52.13	32.13	Average
6	0.24	9.60	9.82	28.96	48.38	62.13	13.75	QP



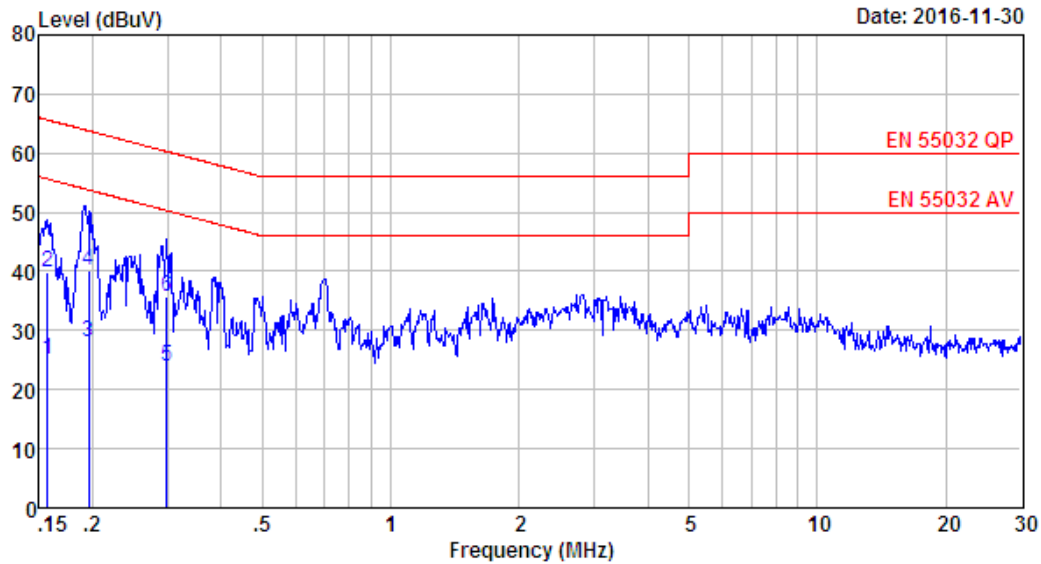
Site no : 844 Shield Room Data no. : 161
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load (Output:5V/3A)

	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	8.58	28.00	56.00	28.00	Average
2	0.15	9.61	9.81	30.81	50.23	66.00	15.77	QP
3	0.20	9.61	9.80	1.59	21.00	53.58	32.58	Average
4	0.20	9.61	9.80	27.56	46.97	63.58	16.61	QP
5	0.25	9.61	9.82	2.57	22.00	51.91	29.91	Average
6	0.25	9.61	9.82	26.29	45.72	61.91	16.19	QP



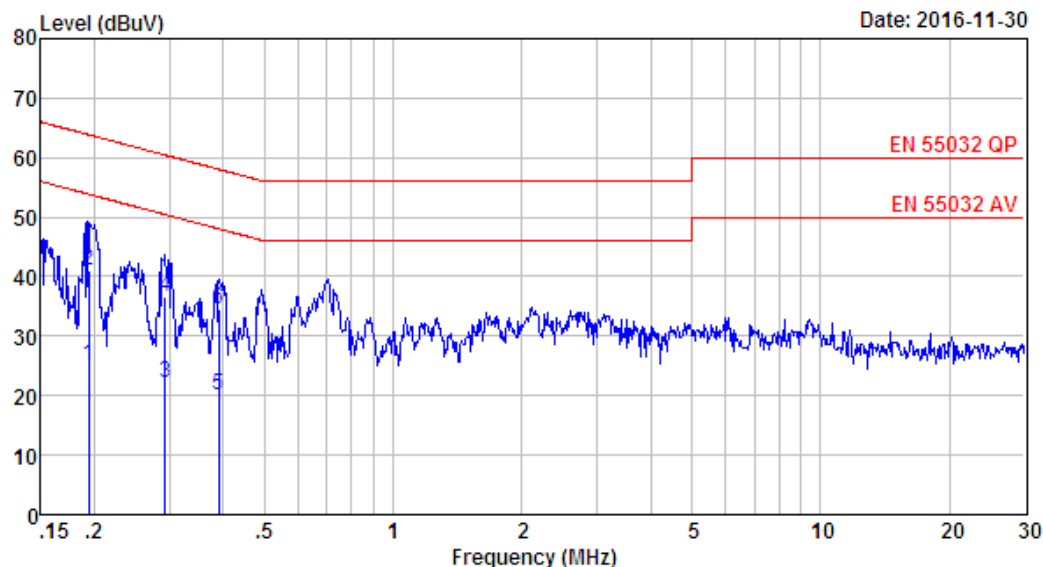
Site no : 844 Shield Room Data no. : 163
 Env. / Ins. : Temp:25.3°C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	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	2.58	22.00	55.12	33.12	Average
2	0.17	9.61	9.81	25.38	44.80	65.12	20.32	QP
3	0.21	9.61	9.80	0.59	20.00	53.05	33.05	Average
4	0.21	9.61	9.80	25.94	45.35	63.05	17.70	QP
5	0.30	9.61	9.83	1.56	21.00	50.32	29.32	Average
6	0.30	9.61	9.83	20.67	40.11	60.32	20.21	QP



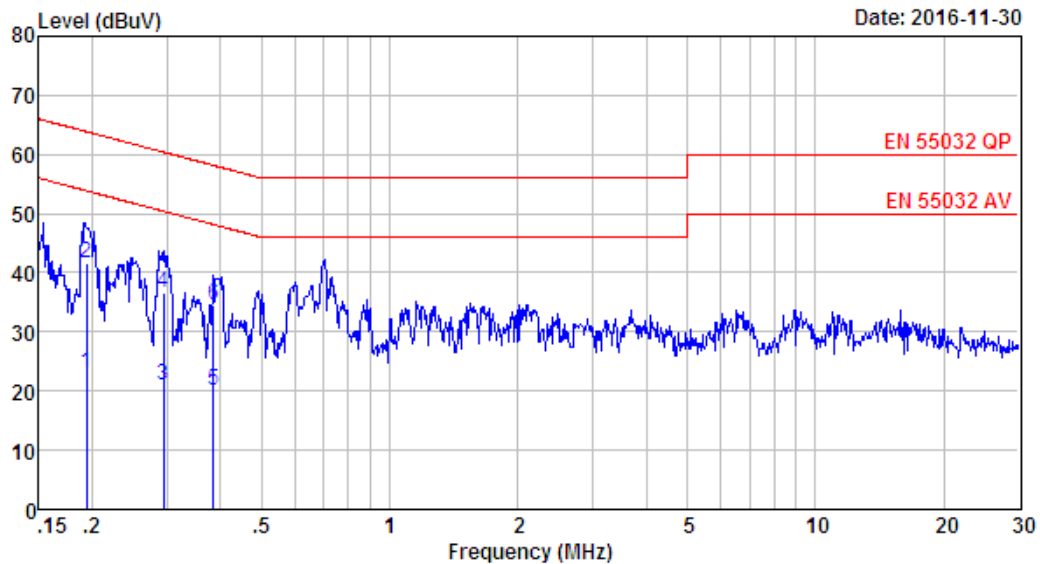
Site no : 844 Shield Room Data no. : 165
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16	9.48	9.81	5.71	25.00	55.65	30.65	Average
2	0.16	9.48	9.81	20.46	39.75	65.65	25.90	QP
3	0.20	9.59	9.80	8.61	28.00	53.80	25.80	Average
4	0.20	9.59	9.80	20.88	40.27	63.80	23.53	QP
5	0.30	9.60	9.83	4.57	24.00	50.28	26.28	Average
6	0.30	9.60	9.83	16.17	35.60	60.28	24.68	QP



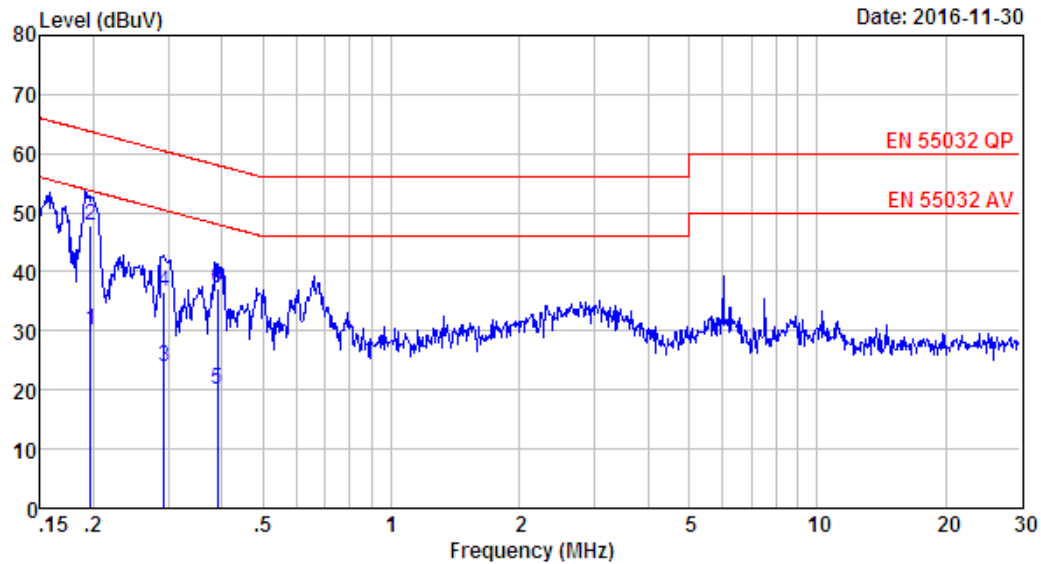
Site no : 844 Shield Room Data no. : 167
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19	9.59	9.80	5.61	25.00	53.84	28.84	Average
2	0.19	9.59	9.80	21.56	40.95	63.84	22.89	QP
3	0.29	9.60	9.83	2.57	22.00	50.46	28.46	Average
4	0.29	9.60	9.83	17.18	36.61	60.46	23.85	QP
5	0.39	9.59	9.82	0.59	20.00	48.03	28.03	Average
6	0.39	9.59	9.82	15.18	34.59	58.03	23.44	QP



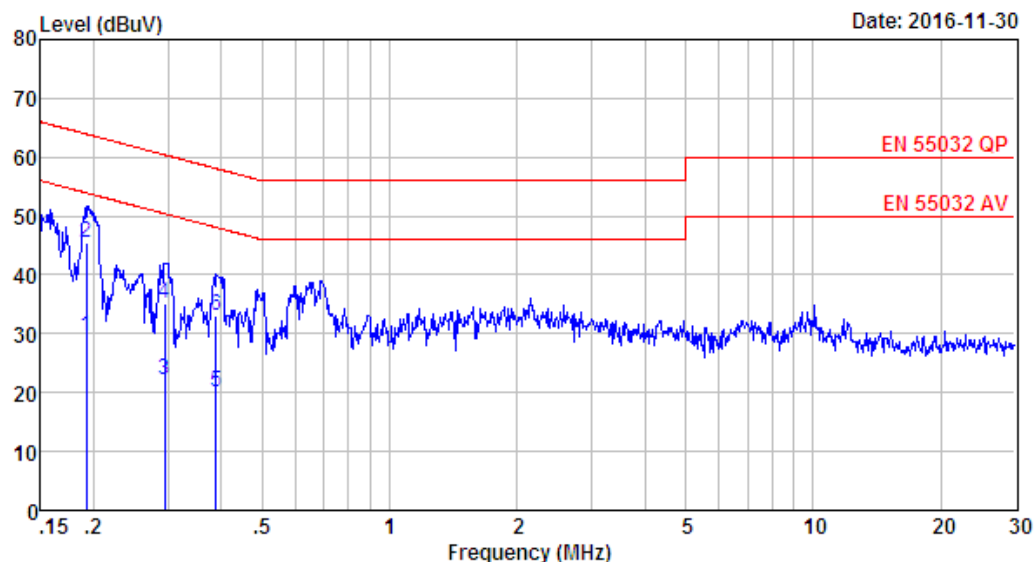
Site no : 844 Shield Room Data no. : 169
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19	9.61	9.80	3.59	23.00	53.84	30.84	Average
2	0.19	9.61	9.80	22.16	41.57	63.84	22.27	QP
3	0.29	9.61	9.83	1.56	21.00	50.41	29.41	Average
4	0.29	9.61	9.83	17.11	36.55	60.41	23.86	QP
5	0.39	9.61	9.82	0.57	20.00	48.17	28.17	Average
6	0.39	9.61	9.82	15.01	34.44	58.17	23.73	QP



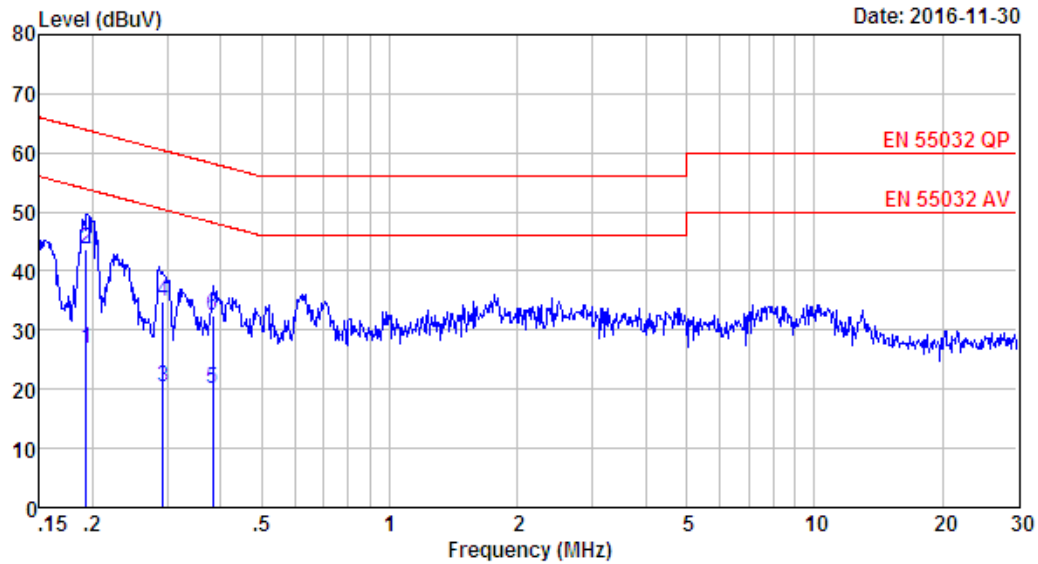
Site no : 844 Shield Room Data no. : 171
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20	9.61	9.80	10.59	30.00	53.76	23.76	Average
2	0.20	9.61	9.80	28.56	47.97	63.76	15.79	QP
3	0.29	9.61	9.83	4.56	24.00	50.46	26.46	Average
4	0.29	9.61	9.83	17.27	36.71	60.46	23.75	QP
5	0.39	9.61	9.82	0.57	20.00	48.03	28.03	Average
6	0.39	9.61	9.82	17.82	37.25	58.03	20.78	QP



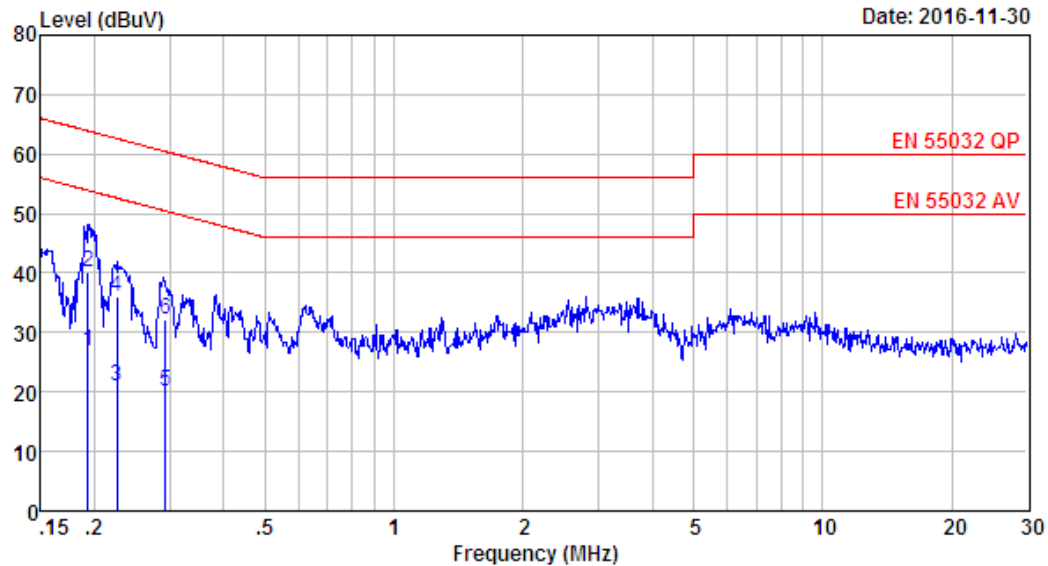
Site no : 844 Shield Room Data no. : 173
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.19	9.58	9.80	10.12	29.50	53.93	24.43	Average
2	0.19	9.58	9.80	26.15	45.53	63.93	18.40	QP
3	0.29	9.60	9.83	2.57	22.00	50.41	28.41	Average
4	0.29	9.60	9.83	15.56	34.99	60.41	25.42	QP
5	0.39	9.59	9.82	0.59	20.00	48.08	28.08	Average
6	0.39	9.59	9.82	13.63	33.04	58.08	25.04	QP



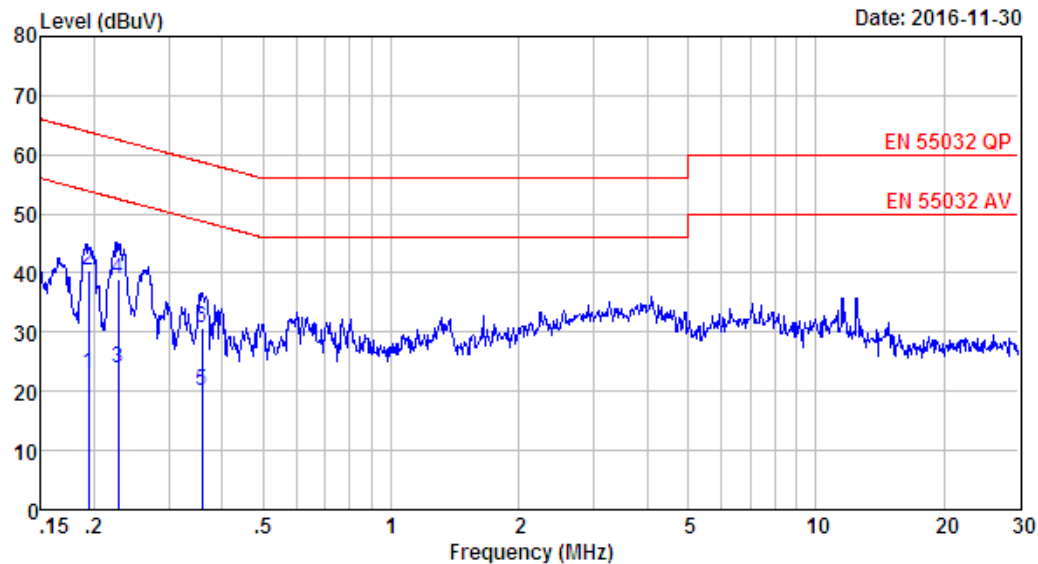
Site no : 844 Shield Room Data no. : 175
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19	9.58	9.80	7.62	27.00	53.89	26.89	Average
2	0.19	9.58	9.80	24.23	43.61	63.89	20.28	QP
3	0.29	9.60	9.83	1.07	20.50	50.46	29.96	Average
4	0.29	9.60	9.83	15.33	34.76	60.46	25.70	QP
5	0.38	9.59	9.82	0.59	20.00	48.21	28.21	Average
6	0.38	9.59	9.82	13.09	32.50	58.21	25.71	QP



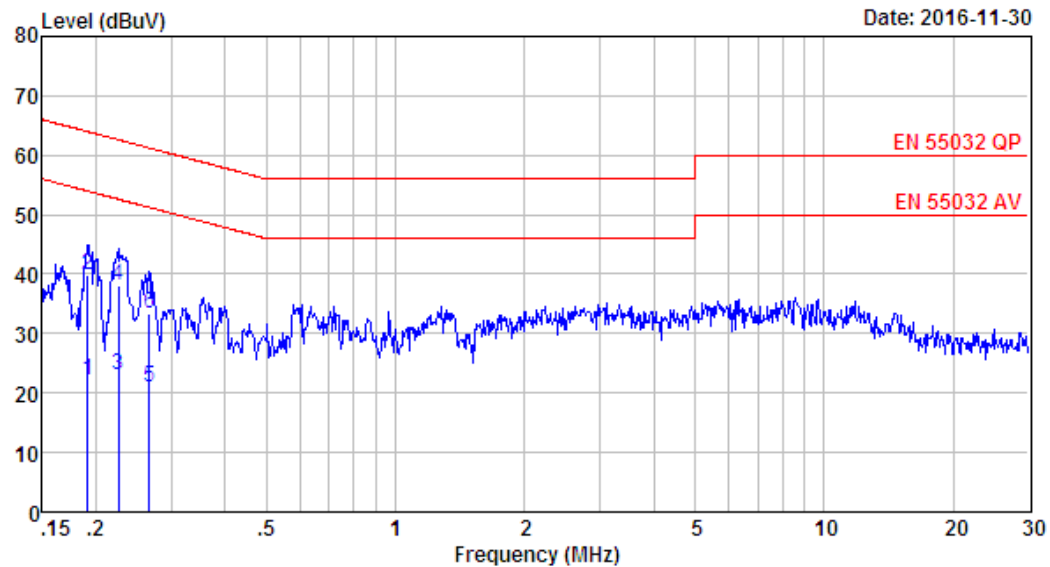
Site no : 844 Shield Room Data no. : 177
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19	9.61	9.80	7.59	27.00	53.89	26.89	Average
2	0.19	9.61	9.80	20.68	40.09	63.89	23.80	QP
3	0.23	9.61	9.80	1.59	21.00	52.61	31.61	Average
4	0.23	9.61	9.80	16.49	35.90	62.61	26.71	QP
5	0.29	9.61	9.83	0.56	20.00	50.46	30.46	Average
6	0.29	9.61	9.83	12.86	32.30	60.46	28.16	QP



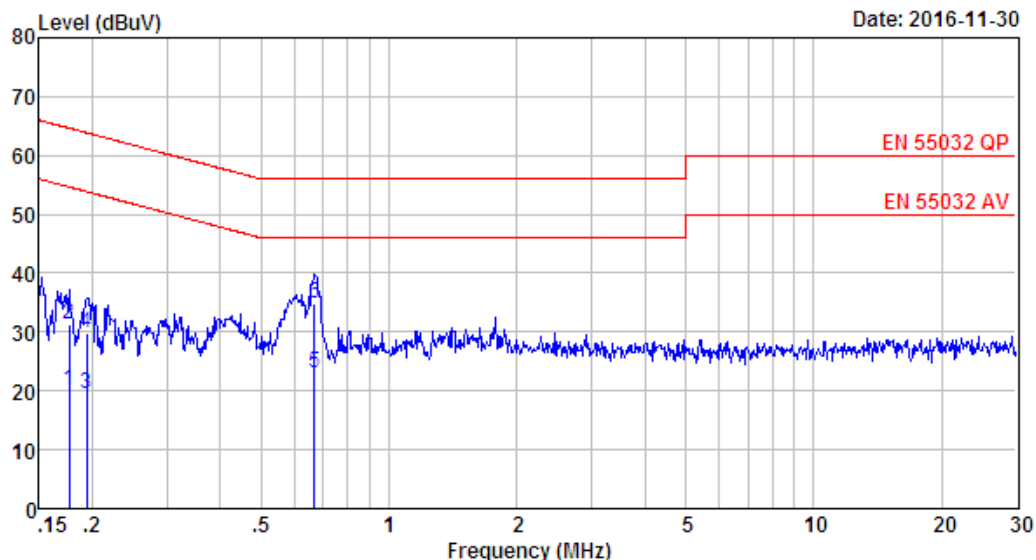
Site no : 844 Shield Room Data no. : 179
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load (Output:5V/3A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19	9.61	9.80	3.59	23.00	53.84	30.84	Average
2	0.19	9.61	9.80	20.90	40.31	63.84	23.53	QP
3	0.23	9.61	9.80	4.59	24.00	52.52	28.52	Average
4	0.23	9.61	9.80	19.53	38.94	62.52	23.58	QP
5	0.36	9.61	9.82	0.57	20.00	48.74	28.74	Average
6	0.36	9.61	9.82	11.32	30.75	58.74	27.99	QP



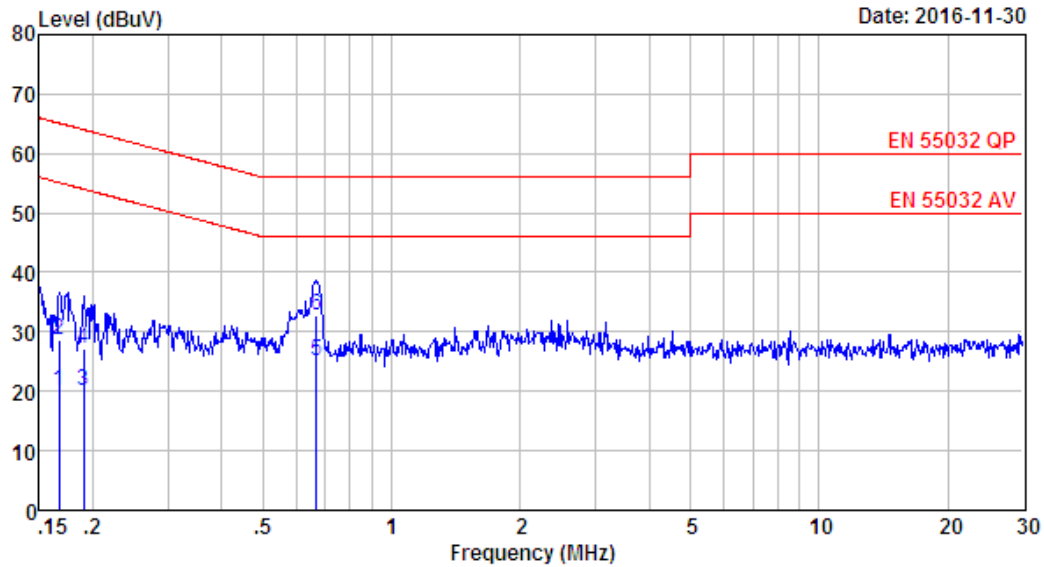
Site no : 844 Shield Room Data no. : 181
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:5V/3A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19	9.58	9.80	2.62	22.00	53.98	31.98	Average
2	0.19	9.58	9.80	20.35	39.73	63.98	24.25	QP
3	0.23	9.60	9.80	3.60	23.00	52.61	29.61	Average
4	0.23	9.60	9.80	18.82	38.22	62.61	24.39	QP
5	0.27	9.60	9.83	1.57	21.00	51.25	30.25	Average
6	0.27	9.60	9.83	14.00	33.43	61.25	27.82	QP



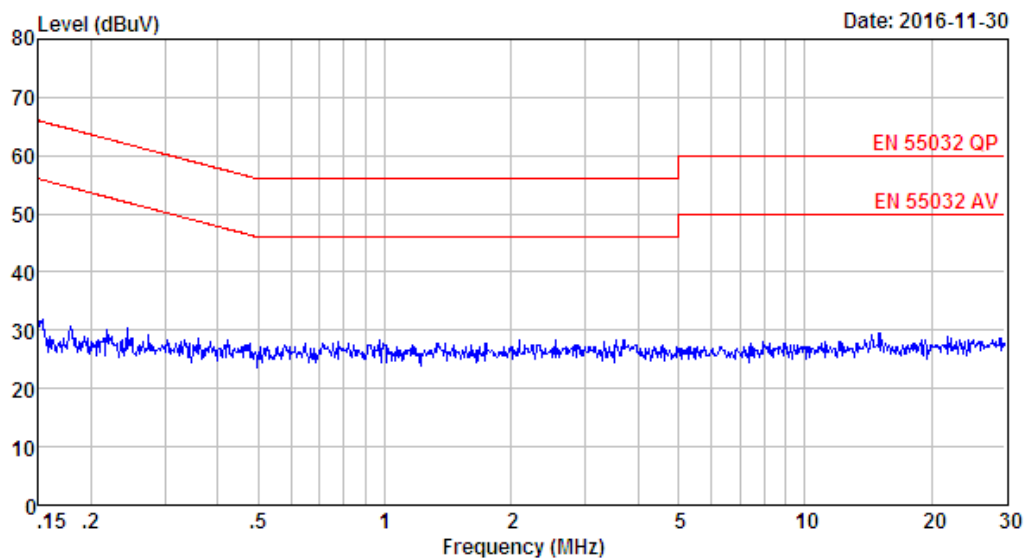
Site no : 844 Shield Room Data no. : 183
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Half Load(Output:12V/0.75A)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.18	9.54	9.80	0.66	20.00	54.64	34.64	Average
2	0.18	9.54	9.80	11.83	31.17	64.64	33.47	QP
3	0.19	9.59	9.80	0.21	19.60	53.84	34.24	Average
4	0.19	9.59	9.80	10.40	29.79	63.84	34.05	QP
5	0.67	9.62	9.81	3.57	23.00	46.00	23.00	Average
6	0.67	9.62	9.81	15.34	34.77	56.00	21.23	QP

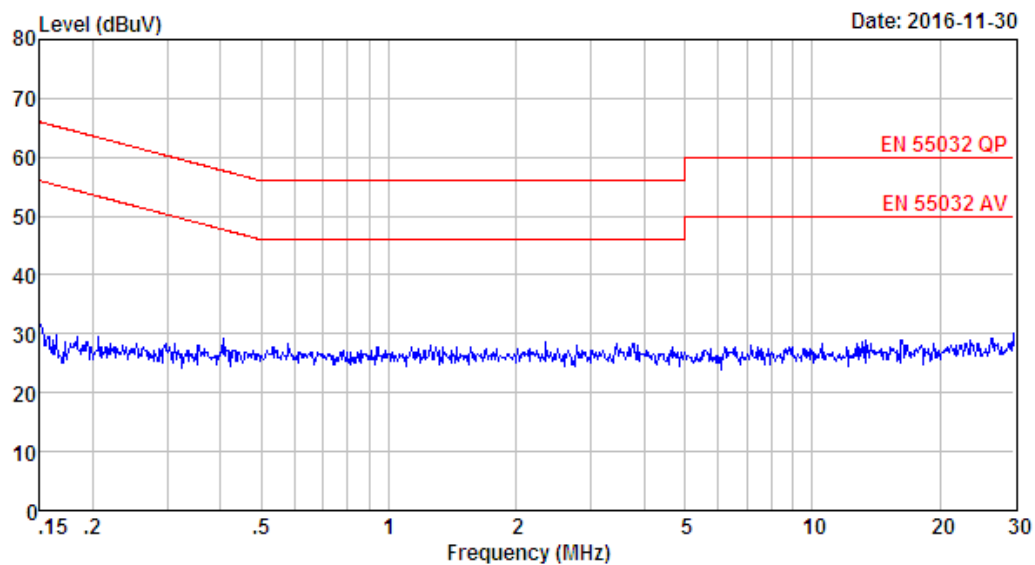


Site no : 844 Shield Room Data no. : 185
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Half Load(Output:12V/0.75A)

	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	0.58	20.00	55.12	35.12	Average
2	0.17	9.61	9.81	9.24	28.66	65.12	36.46	QP
3	0.19	9.61	9.80	0.59	20.00	54.02	34.02	Average
4	0.19	9.61	9.80	7.62	27.03	64.02	36.99	QP
5	0.67	9.59	9.81	5.60	25.00	46.00	21.00	Average
6	0.67	9.59	9.81	13.27	32.67	56.00	23.33	QP

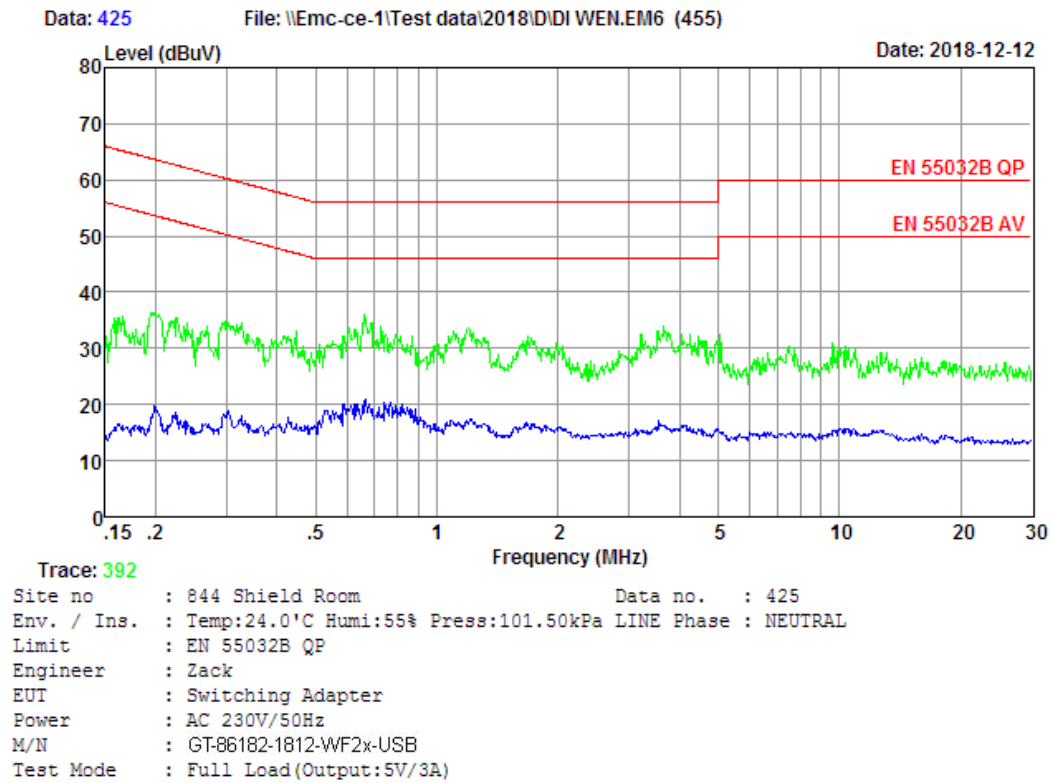


Site no : 844 Shield Room Data no. : 187
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : No Load



Site no : 844 Shield Room Data no. : 189
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032 QP
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : No Load

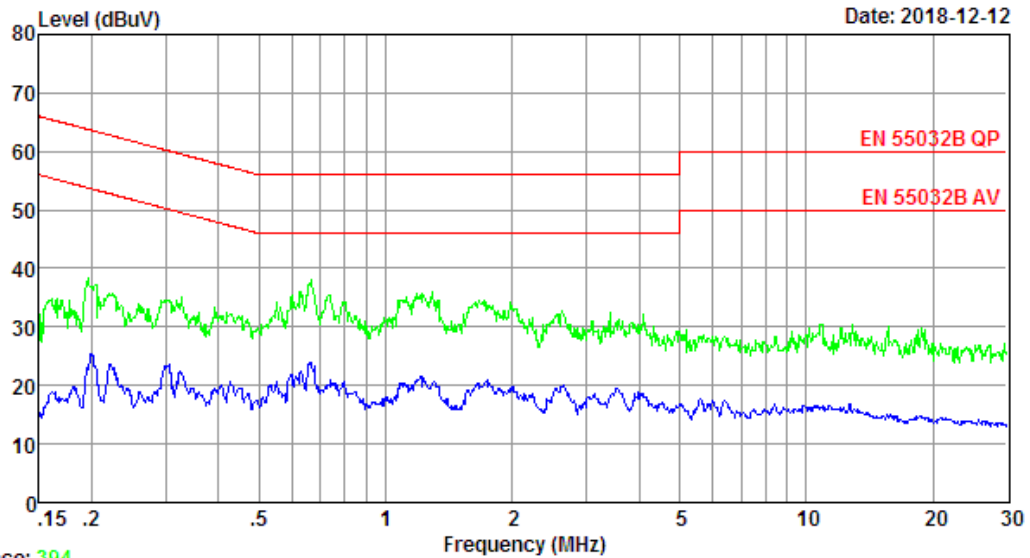
Filing L1 New Data



Data: 427

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

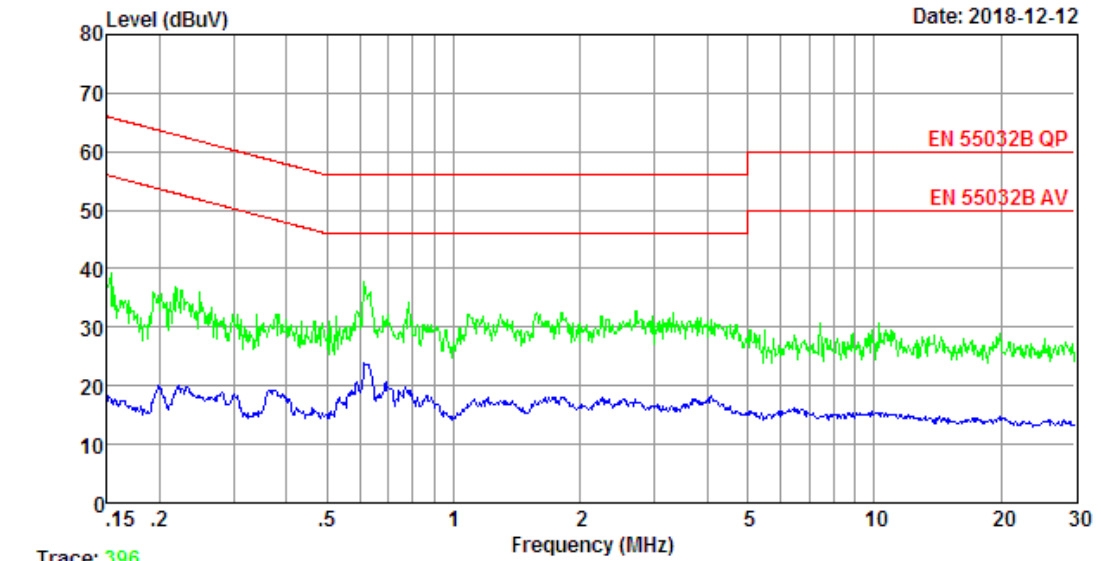


Trace: 394
Site no : 844 Shield Room Data no. : 427
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:5V/3A)

Data: 429

File: \\Emc-ce-1\Test data\2018\DI WEN.EM6 (455)

Date: 2018-12-12



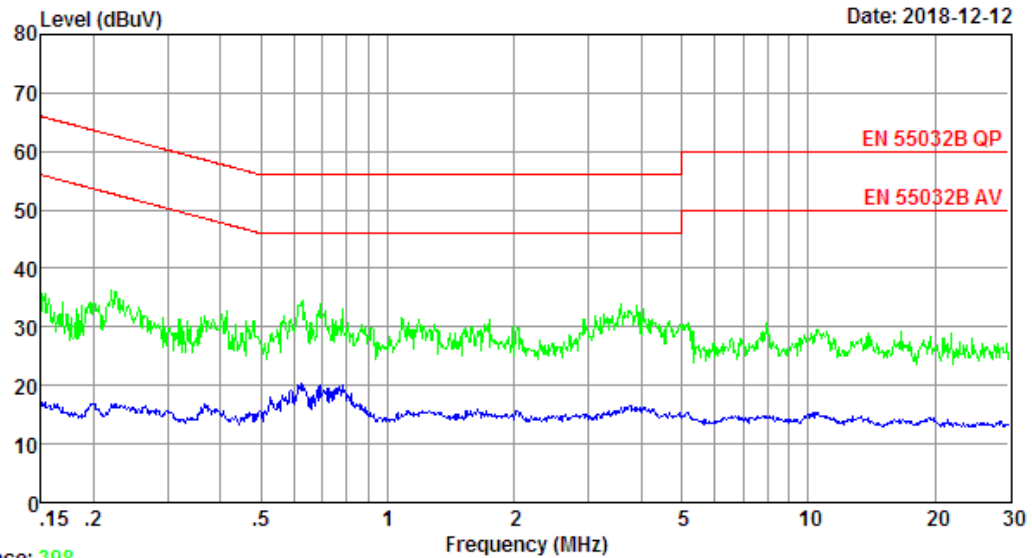
Trace: 396

Site no : 844 Shield Room Data no. : 429
Env. / Ins. : Temp:24.0'C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load (Output:5V/3A)

Data: 431

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12



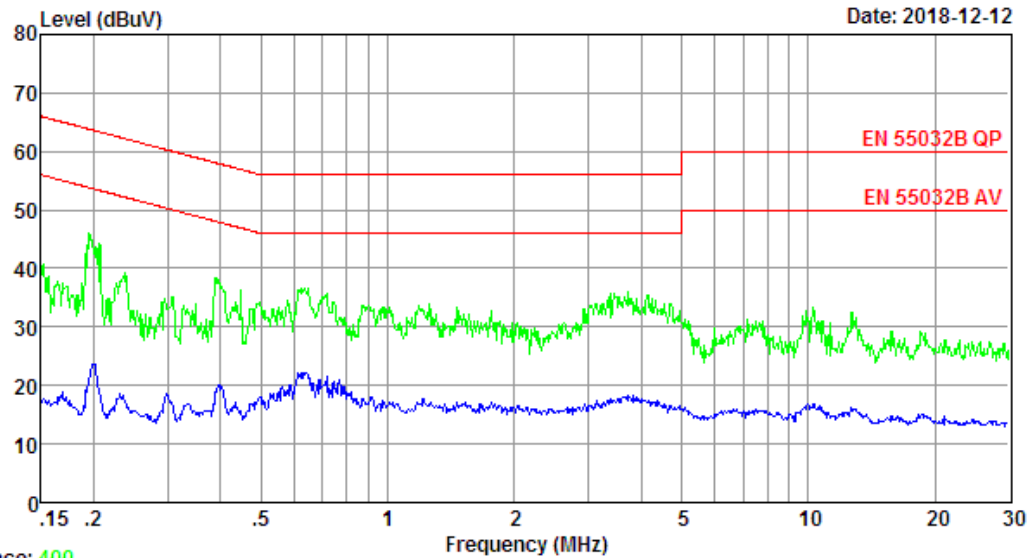
Trace: 398

Site no : 844 Shield Room Data no. : 431
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : GT-86182-1812-WF2x-USB
M/N : DSA-180QFB FEU A
Test Mode : Full Load(Output:5V/3A)

Data: 433

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

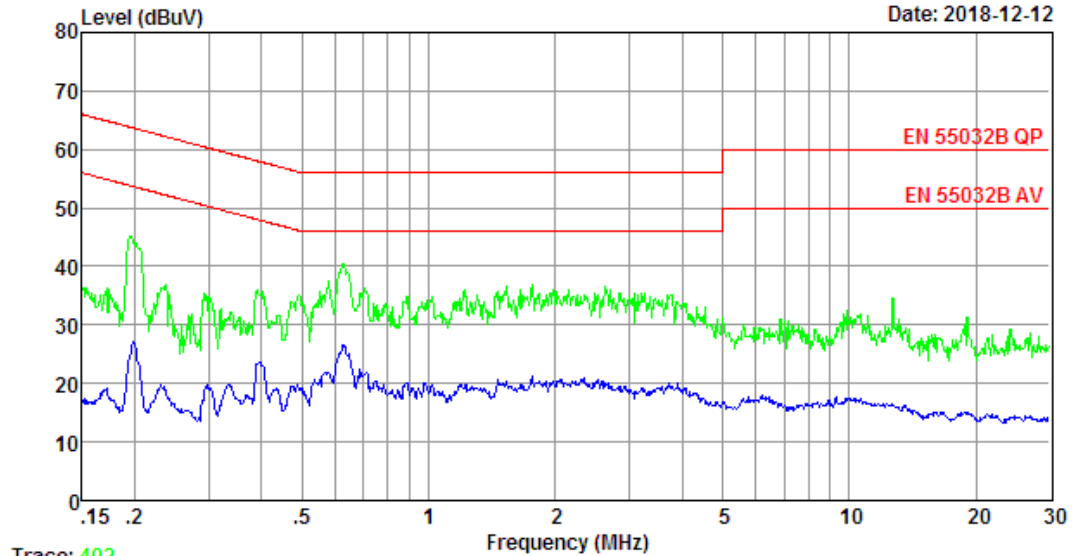


Trace: 400
Site no : 844 Shield Room Data no. : 433
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 435

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12



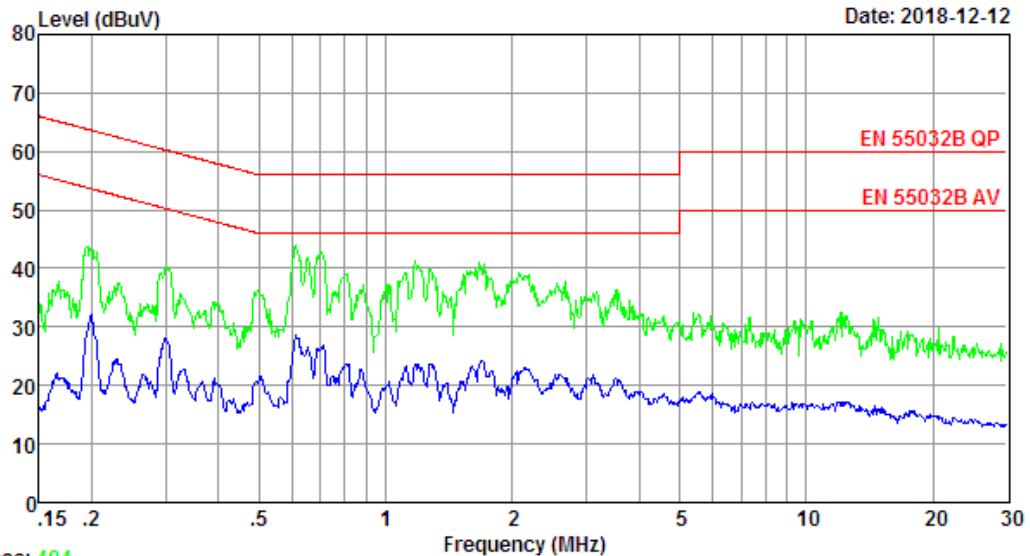
Trace: 402

Site no : 844 Shield Room Data no. : 435
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 437

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

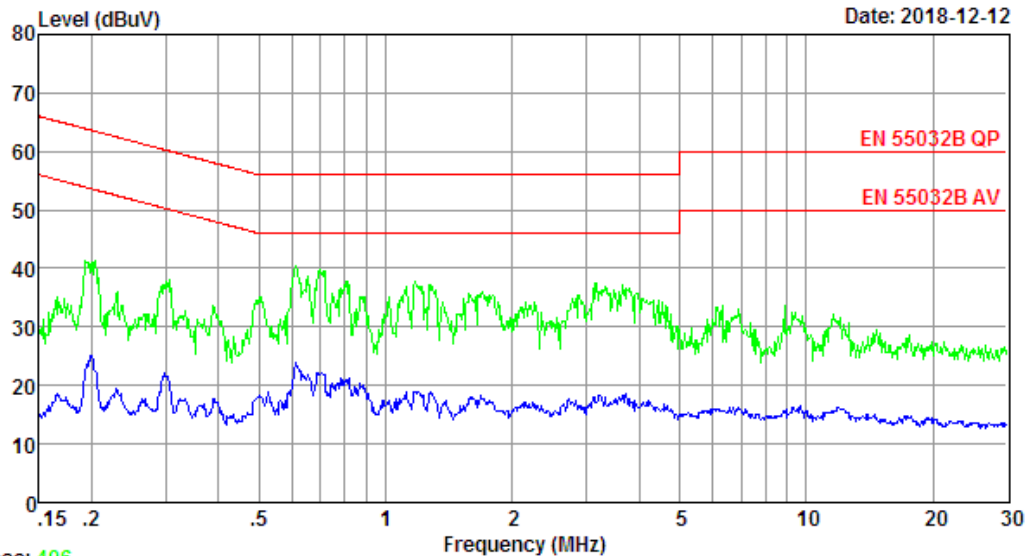


Trace: 404
Site no : 844 Shield Room Data no. : 437
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load (Output: 9V/2A)

Data: 439

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

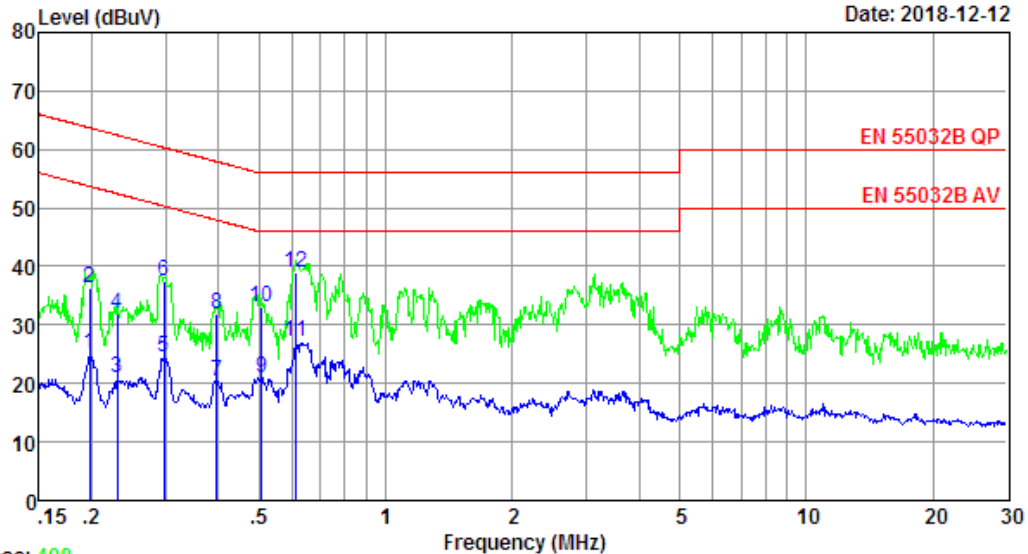


Trace: 406
Site no : 844 Shield Room Data no. : 439
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 441

File: \\Emc-ce-1\Test data\2018\DI WEN.EM6 (455)

Date: 2018-12-12



Trace: 408

Site no : 844 Shield Room Data no. : 441
 Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032B QP
 Engineer : Zack
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

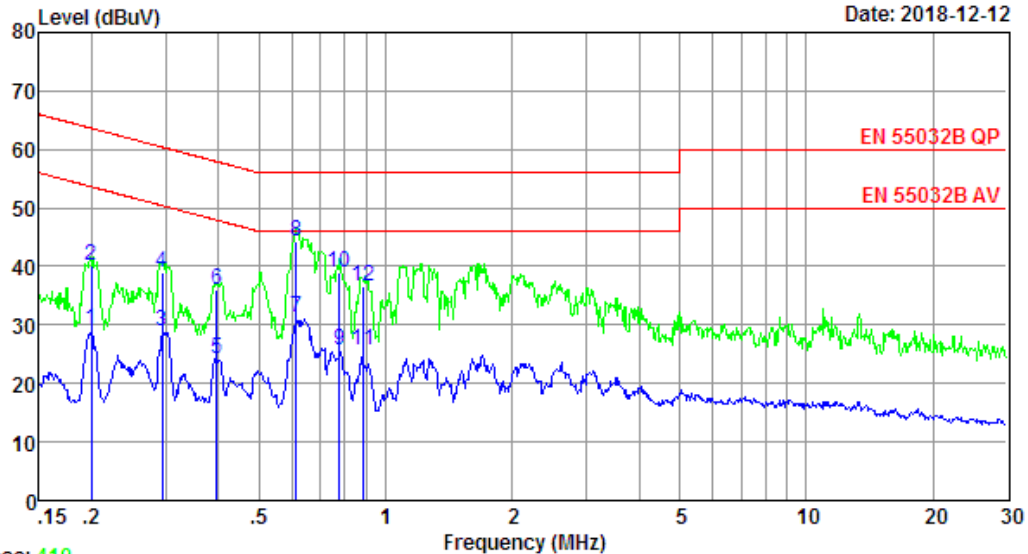
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20	9.62	9.77	5.80	25.19	53.71	28.52	Average
2	0.20	9.62	9.77	17.05	36.44	63.71	27.27	QP
3	0.23	9.62	9.84	1.56	21.02	52.44	31.42	Average
4	0.23	9.62	9.84	12.54	32.00	62.44	30.44	QP
5	0.30	9.62	9.92	5.05	24.59	50.32	25.73	Average
6	0.30	9.62	9.92	18.01	37.55	60.32	22.77	QP
7	0.40	9.64	9.92	0.93	20.49	47.95	27.46	Average
8	0.40	9.64	9.92	12.33	31.89	57.95	26.06	QP
9	0.51	9.65	9.92	1.43	21.00	46.00	25.00	Average
10	0.51	9.65	9.92	13.41	32.98	56.00	23.02	QP
11	0.61	9.67	9.92	7.49	27.08	46.00	18.92	Average
12	0.61	9.67	9.92	19.50	39.09	56.00	16.91	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

Data: 443

File: \\Emc-ce-1\Test data\2018\DI WEN.EM6 (455)

Date: 2018-12-12



Trace: 410

Site no : 844 Shield Room Data no. : 443
 Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032B QP
 Engineer : Zack
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

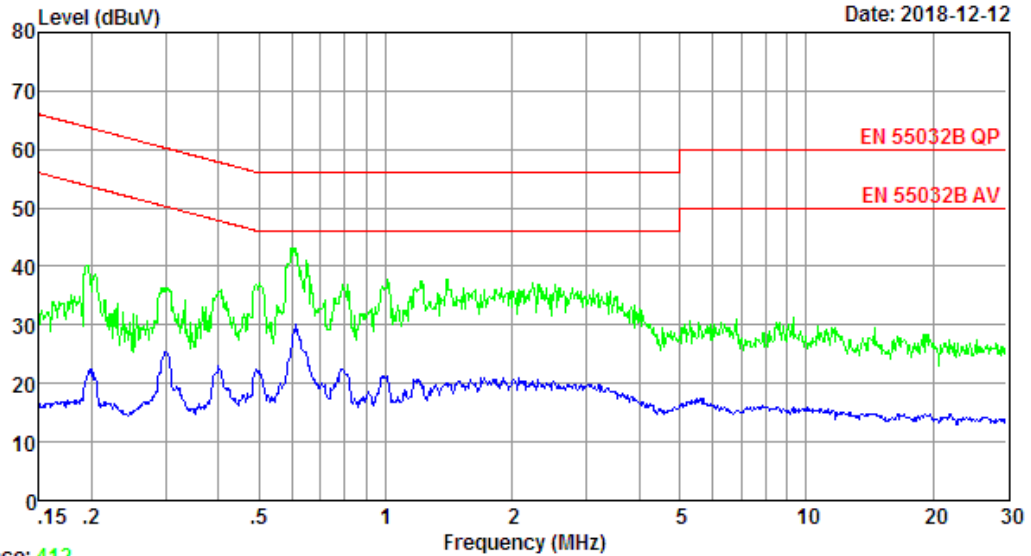
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20	9.73	9.77	9.60	29.10	53.62	24.52	Average
2	0.20	9.73	9.77	20.56	40.06	63.62	23.56	QP
3	0.29	9.72	9.92	9.38	29.02	50.41	21.39	Average
4	0.29	9.72	9.92	19.39	39.03	60.41	21.38	QP
5	0.40	9.72	9.92	4.67	24.31	47.95	23.64	Average
6	0.40	9.72	9.92	16.45	36.09	57.95	21.86	QP
7	0.61	9.72	9.92	11.61	31.25	46.00	14.75	Average
8	0.61	9.72	9.92	24.53	44.17	56.00	11.83	QP
9	0.78	9.72	9.93	6.03	25.68	46.00	20.32	Average
10	0.78	9.72	9.93	19.33	38.98	56.00	17.02	QP
11	0.88	9.72	9.93	5.95	25.60	46.00	20.40	Average
12	0.88	9.72	9.93	17.00	36.65	56.00	19.35	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

Data: 445

File: \\Emc-ce-1\Test data\2018\DI WEN.EM6 (455)

Date: 2018-12-12

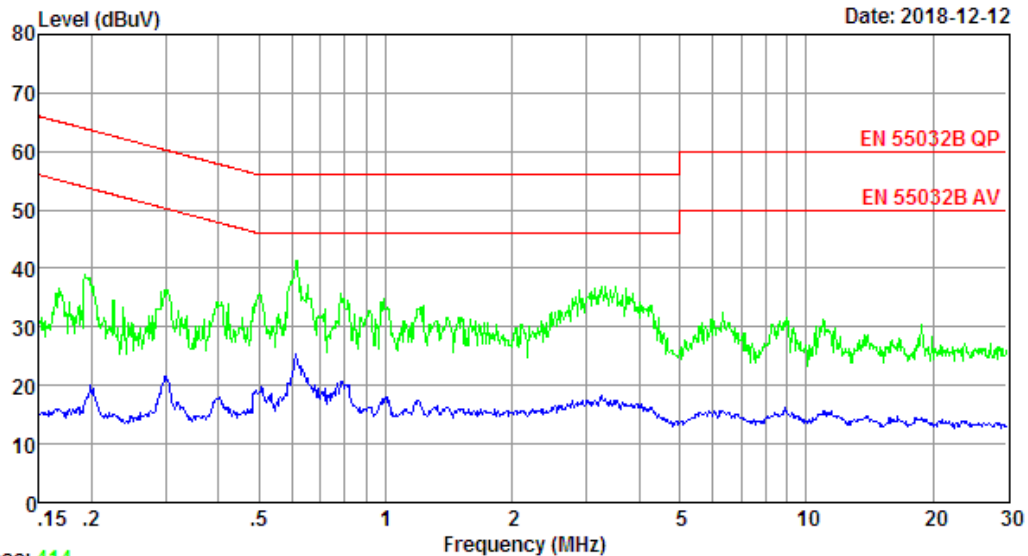


Trace: 412
Site no : 844 Shield Room Data no. : 445
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 447

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

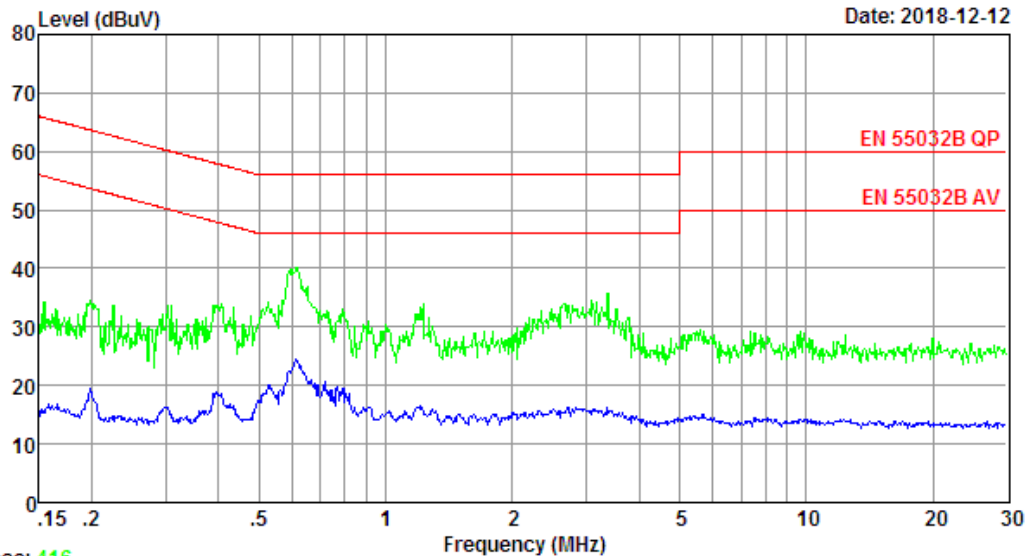


Trace: 414
Site no : 844 Shield Room Data no. : 447
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 449

File: \\Emc-ce-1\Test data\2018\DI WEN.EM6 (455)

Date: 2018-12-12



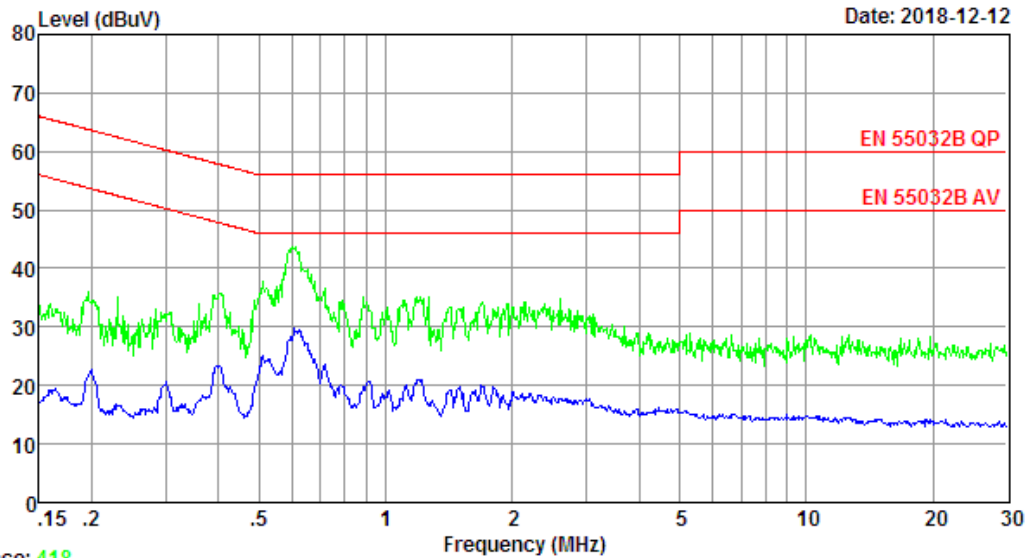
Trace: 416

Site no : 844 Shield Room Data no. : 449
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Half Load(Output:12V/0.75A)

Data: 451

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

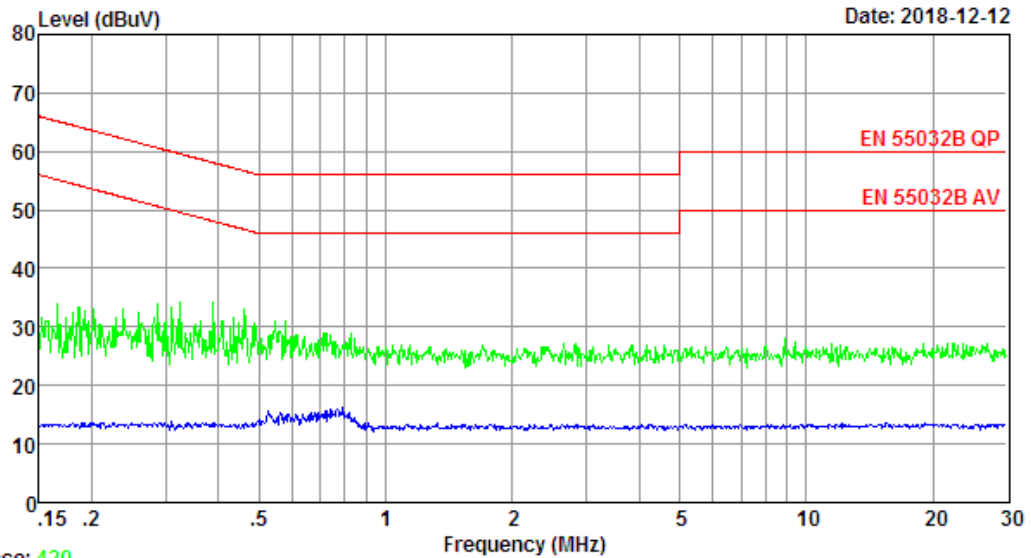


Trace: 418
Site no : 844 Shield Room Data no. : 451
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Half Load(Output:12V/0.75A)

Data: 453

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

Date: 2018-12-12

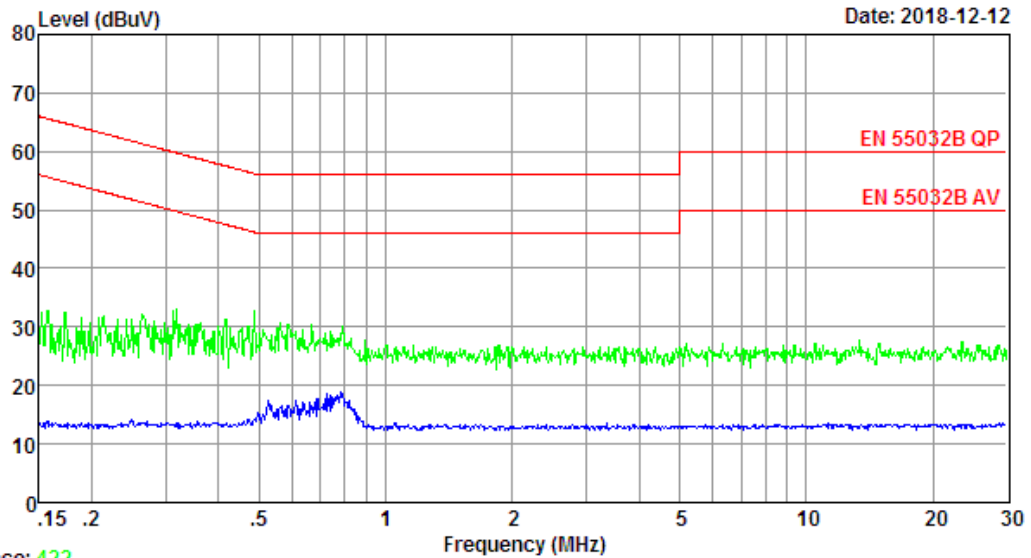


Trace: 420
Site no : 844 Shield Room Data no. : 453
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : No Load

Data: 455

File: \\Emc-ce-1\Test data\2018\DI\DI WEN.EM6 (455)

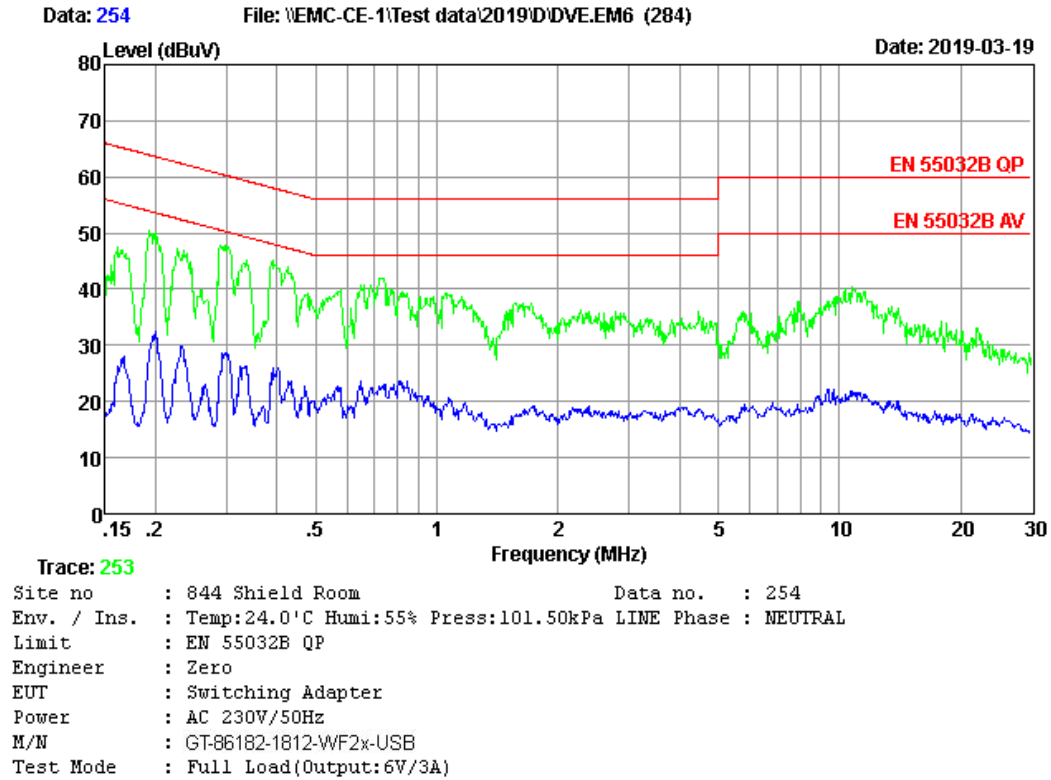
Date: 2018-12-12



Trace: 422

Site no : 844 Shield Room Data no. : 455
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zack
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : No Load

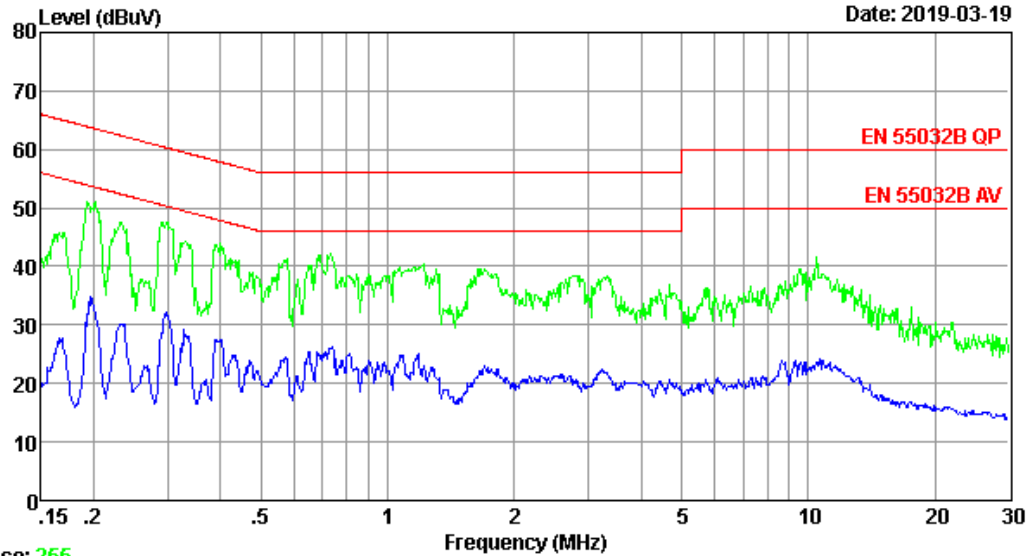
Add test data of UK plug



Data: 256

File: \\EMC-CE-1\Test data\2019\0\0VE.EM6 (284)

Date: 2019-03-19

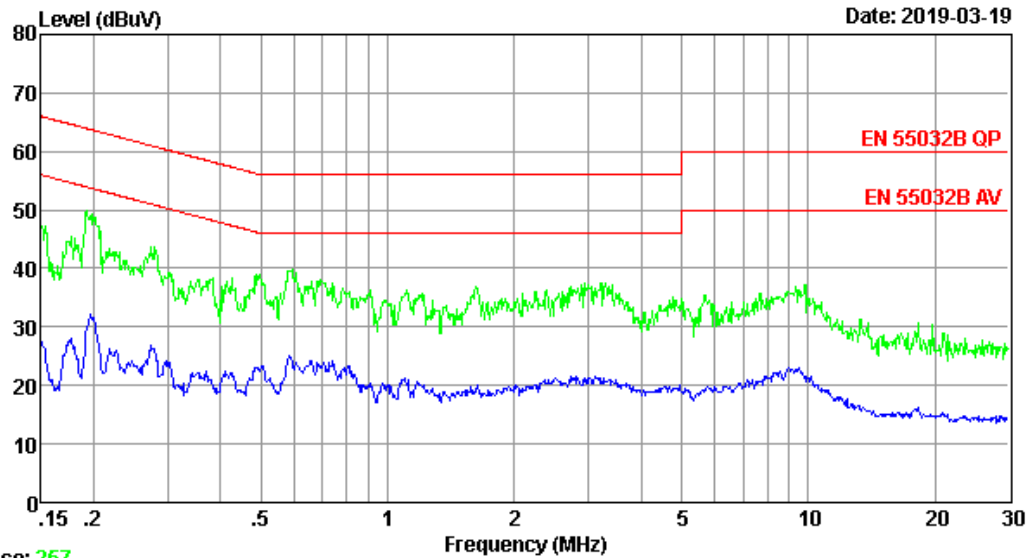


Trace: 255
Site no : 844 Shield Room Data no. : 256
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:6V/3A)

Data: 258

File: \\EMC-CE-1\Test data\2019\0\0VE.EM6 (284)

Date: 2019-03-19

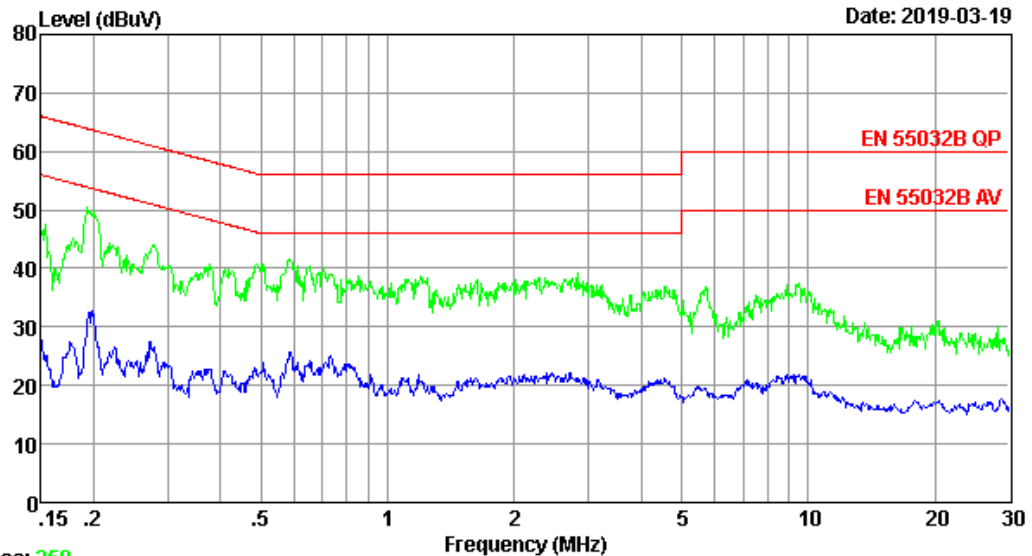


Trace: 257
Site no : 844 Shield Room Data no. : 258
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:6V/3A)

Data: 260

File: \\EMC-CE-1\Test data\2019\DV\VE.EM6 (284)

Date: 2019-03-19

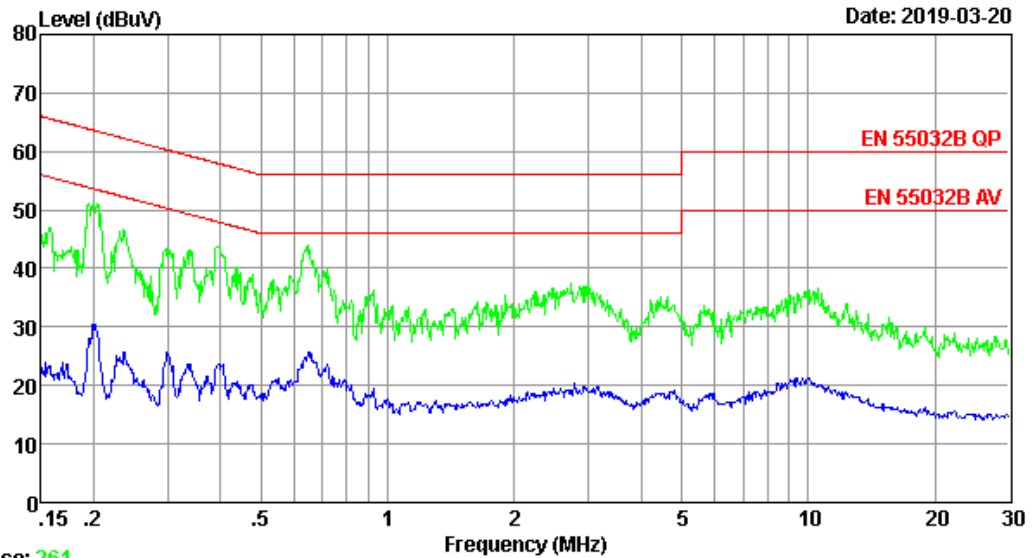


Trace: 259
Site no : 844 Shield Room Data no. : 260
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:6V/3A)

Data: 262

File: \\EMC-CE-1\Test data\2019\0\0VE.EM6 (284)

Date: 2019-03-20



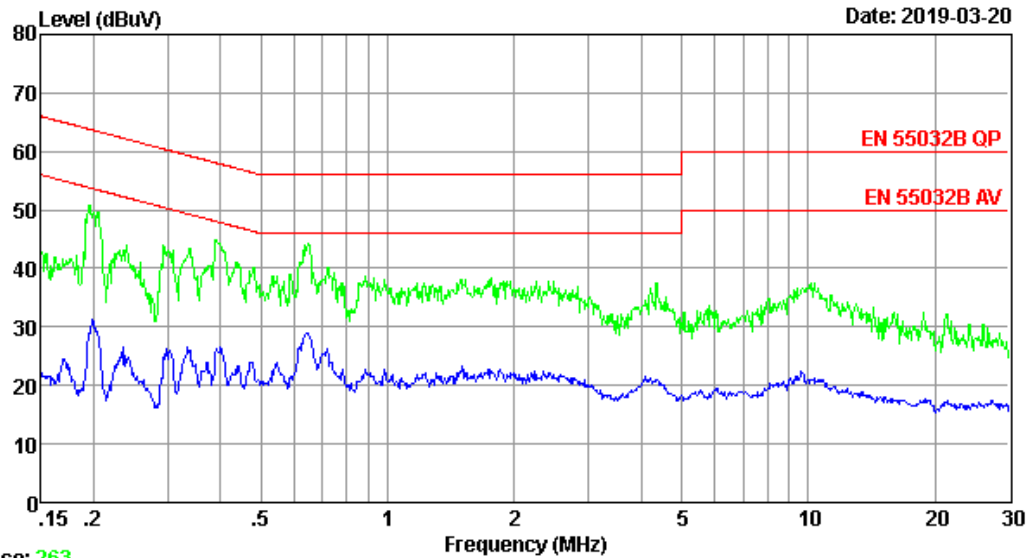
Trace: 261

Site no : 844 Shield Room Data no. : 262
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 264

File: \\EMC-CE-1\Test data\2019\0\0VE.EM6 (284)

Date: 2019-03-20



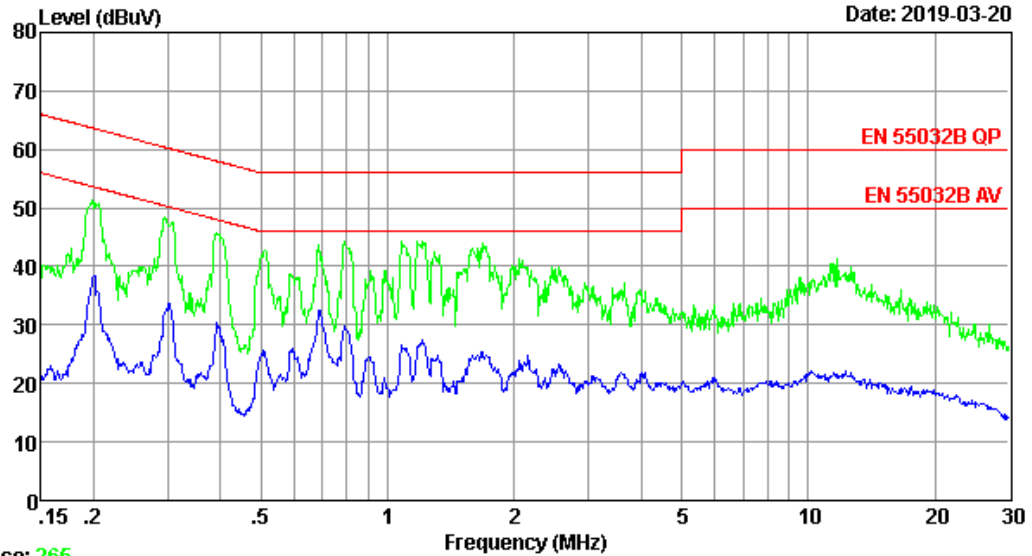
Trace: 263

Site no : 844 Shield Room Data no. : 264
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 100V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 266

File: \\EMC-CE-1\Test data\2019\DV\EM6 (284)

Date: 2019-03-20



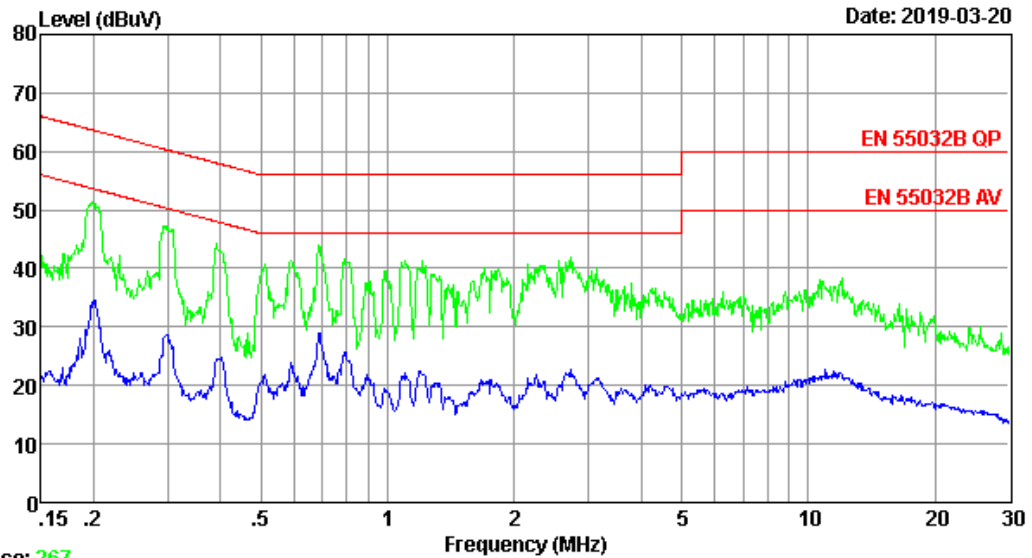
Trace: 265

Site no : 844 Shield Room Data no. : 266
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 268

File: \\EMC-CE-1\Test data\2019\DV\VE.EM6 (284)

Date: 2019-03-20



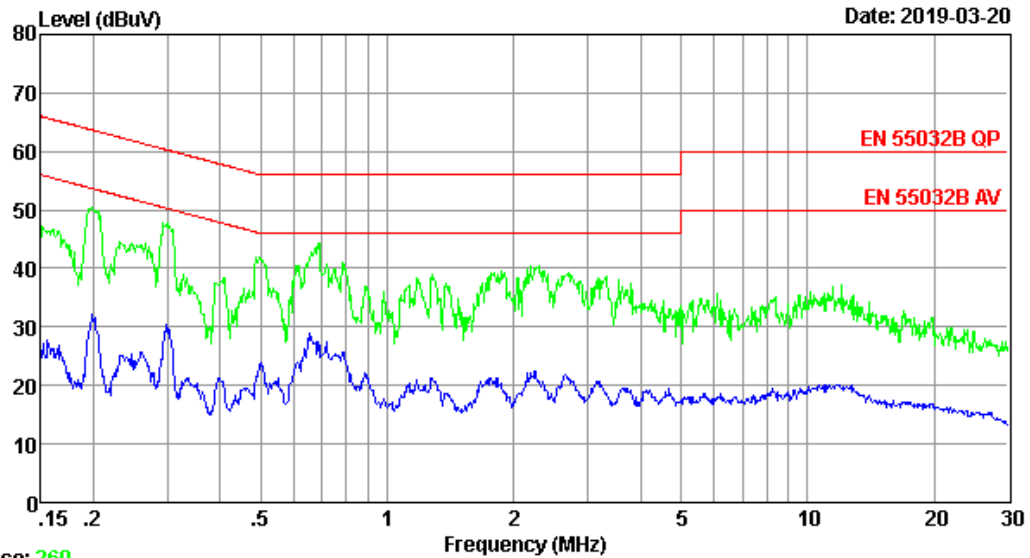
Trace: 267

Site no : 844 Shield Room Data no. : 268
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 270

File: \\EMC-CE-1\Test data\2019\0\0VE.EM6 (284)

Date: 2019-03-20



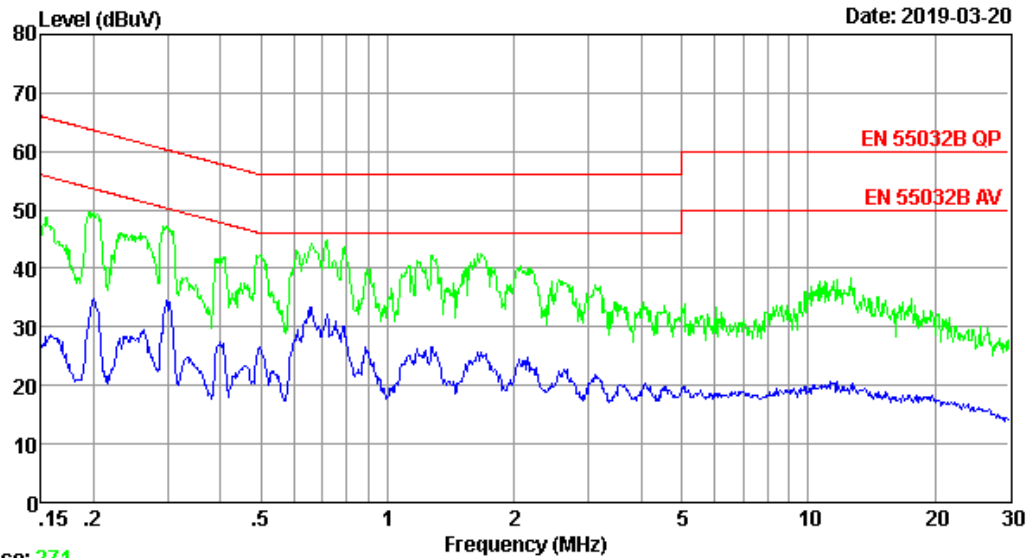
Trace: 269

Site no : 844 Shield Room Data no. : 270
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 272

File: \\EMC-CE-1\Test data\2019\0\0VE.EM6 (284)

Date: 2019-03-20



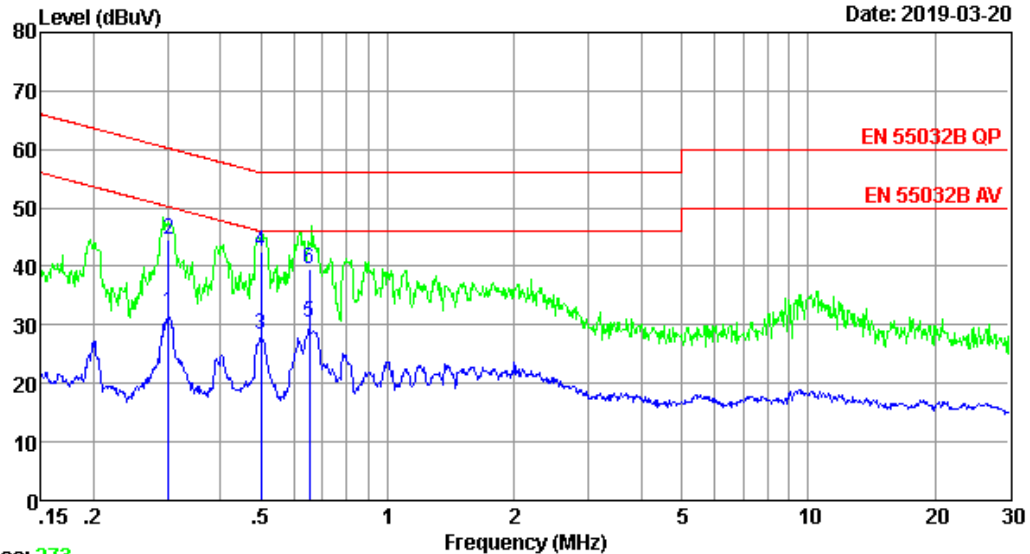
Trace: 271

Site no : 844 Shield Room Data no. : 272
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 274

File: \\EMC-CE-1\Test data\2019\DV\VE.EM6 (284)

Date: 2019-03-20



Trace: 273

Site no : 844 Shield Room Data no. : 274
 Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032B QP
 Engineer : Zero
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

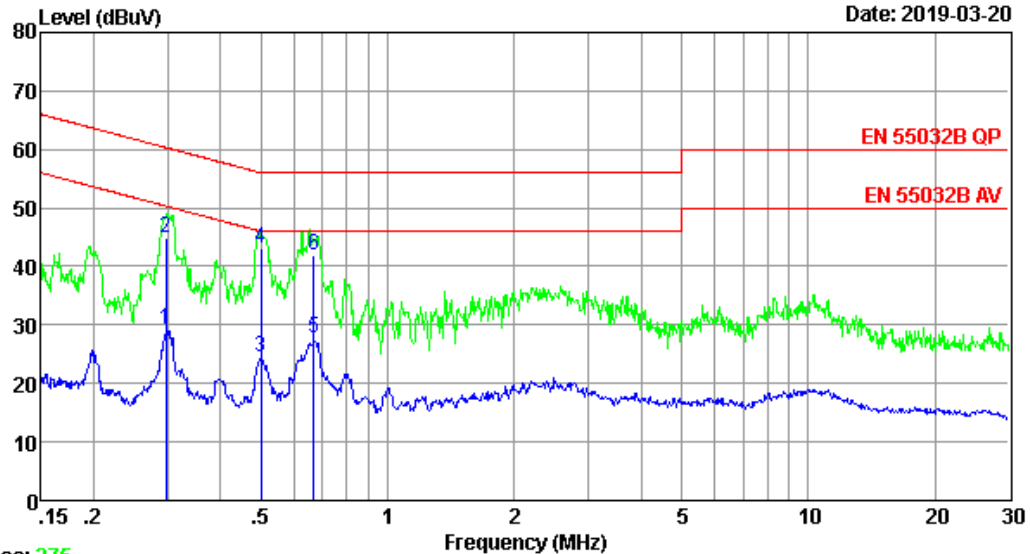
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.302	9.72	9.92	12.39	32.03	50.19	18.16	Average
2	0.302	9.72	9.92	25.00	44.64	60.19	15.55	QP
3	0.499	9.72	9.92	8.77	28.41	46.01	17.60	Average
4	0.499	9.72	9.92	23.00	42.64	56.01	13.37	QP
5	0.651	9.72	9.92	10.74	30.38	46.00	15.62	Average
6	0.651	9.72	9.92	20.00	39.64	56.00	16.36	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

Data: 276

File: \\EMC-CE-1\\Test data\\2019\\D\\DVE.EM6 (284)

Date: 2019-03-20



Trace: 275

Site no : 844 Shield Room Data no. : 276
 Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032B QP
 Engineer : Zero
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

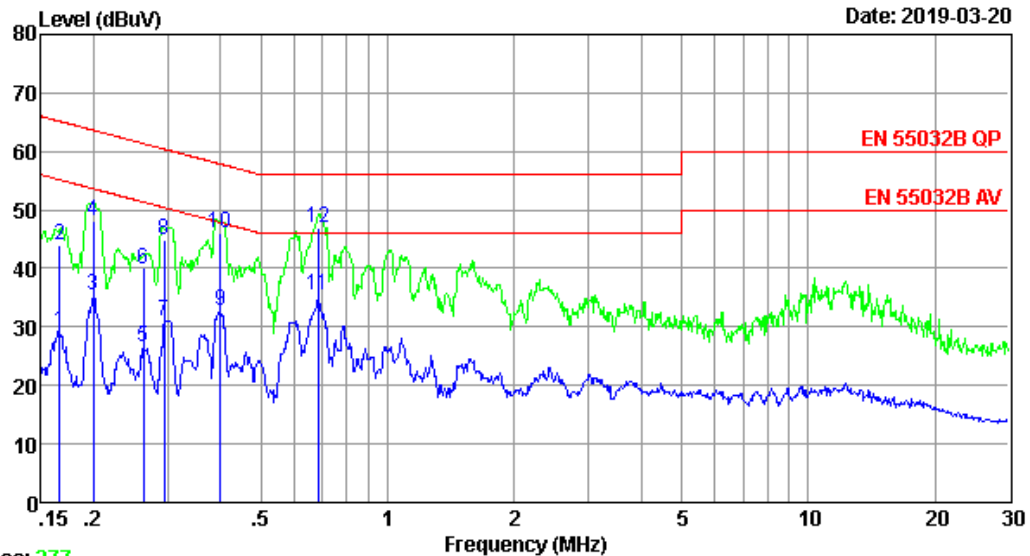
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.297	9.62	9.92	9.70	29.24	50.32	21.08	Average
2	0.297	9.62	9.92	25.46	45.00	60.32	15.32	QP
3	0.499	9.65	9.92	4.97	24.54	46.01	21.47	Average
4	0.499	9.65	9.92	23.43	43.00	56.01	13.01	QP
5	0.668	9.68	9.92	8.07	27.67	46.00	18.33	Average
6	0.668	9.68	9.92	22.40	42.00	56.00	14.00	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

Data: 278

File: \\EMC-CE-1\Test data\2019\DV\VE.EM6 (284)

Date: 2019-03-20



Trace: 277

Site no : 844 Shield Room Data no. : 278
 Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : EN 55032B QP
 Engineer : Zero
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Half Load(Output:12V/0.75A)

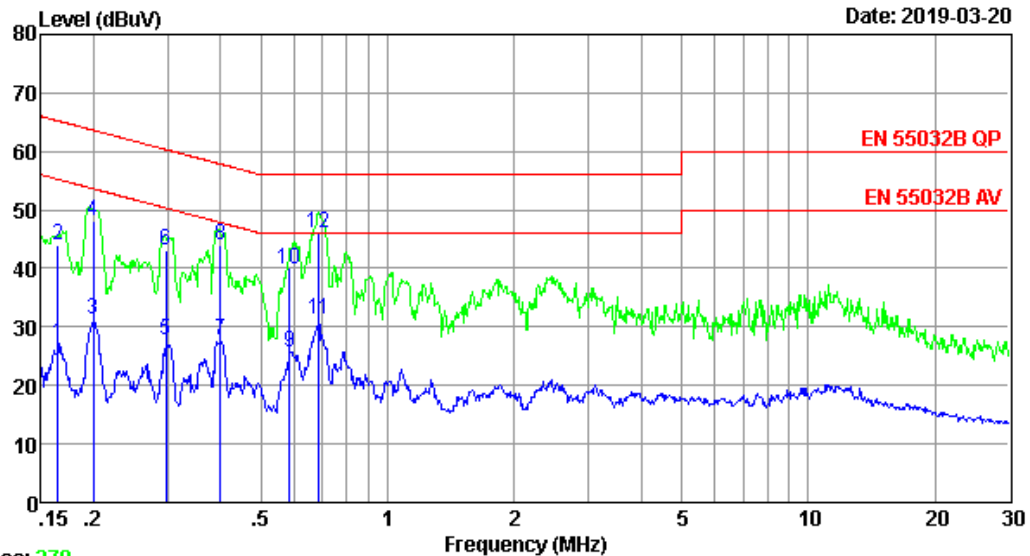
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.166	9.61	9.69	10.03	29.33	55.16	25.83	Average
2	0.166	9.61	9.69	24.70	44.00	65.16	21.16	QP
3	0.200	9.62	9.77	16.07	35.46	53.62	18.16	Average
4	0.200	9.62	9.77	28.61	48.00	63.62	15.62	QP
5	0.263	9.62	9.92	7.04	26.58	51.34	24.76	Average
6	0.263	9.62	9.92	20.46	40.00	61.34	21.34	QP
7	0.294	9.62	9.92	11.53	31.07	50.41	19.34	Average
8	0.294	9.62	9.92	25.46	45.00	60.41	15.41	QP
9	0.400	9.64	9.92	13.18	32.74	47.86	15.12	Average
10	0.400	9.64	9.92	26.44	46.00	57.86	11.86	QP
11	0.683	9.68	9.92	15.90	35.50	46.00	10.50	Average
12	0.683	9.68	9.92	27.40	47.00	56.00	9.00	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

Data: 280

File: \\EMC-CE-1\\Test data\\2019\\D\\DVE.EM6 (284)

Date: 2019-03-20



Trace: 279

Site no : 844 Shield Room Data no. : 280
 Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
 Limit : EN 55032B QP
 Engineer : Zero
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Half Load(Output:12V/0.75A)

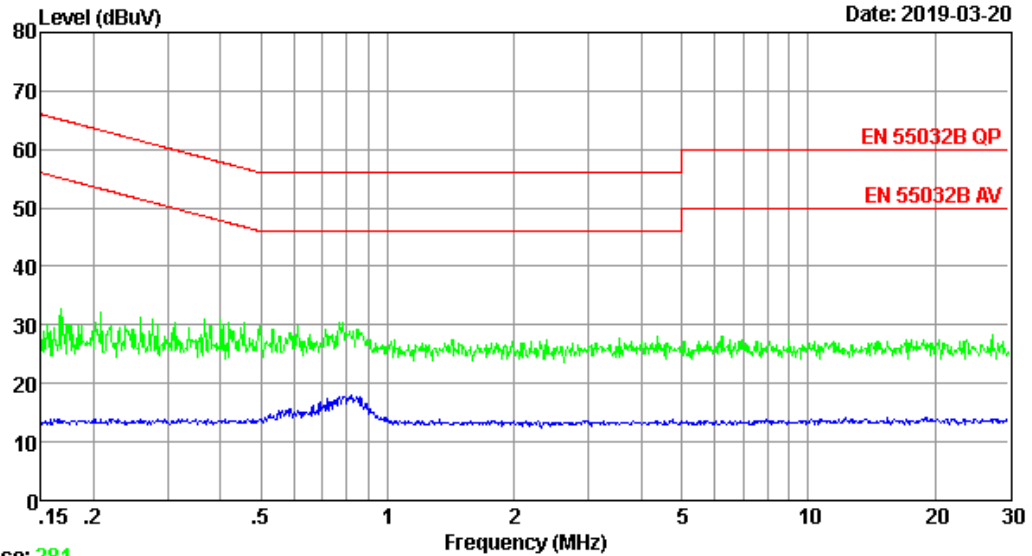
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.164	9.73	9.69	7.73	27.15	55.25	28.10	Average
2	0.164	9.73	9.69	24.58	44.00	65.25	21.25	QP
3	0.200	9.73	9.77	11.85	31.35	53.62	22.27	Average
4	0.200	9.73	9.77	28.50	48.00	63.62	15.62	QP
5	0.297	9.72	9.92	8.15	27.79	50.32	22.53	Average
6	0.297	9.72	9.92	23.36	43.00	60.32	17.32	QP
7	0.400	9.72	9.92	8.25	27.89	47.86	19.97	Average
8	0.400	9.72	9.92	24.36	44.00	57.86	13.86	QP
9	0.585	9.72	9.92	5.99	25.63	46.00	20.37	Average
10	0.585	9.72	9.92	20.36	40.00	56.00	16.00	QP
11	0.686	9.72	9.93	11.76	31.41	46.00	14.59	Average
12	0.686	9.72	9.93	26.35	46.00	56.00	10.00	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

Data: 282

File: \\EMC-CE-1\Test data\2019\DV\VE.EM6 (284)

Date: 2019-03-20



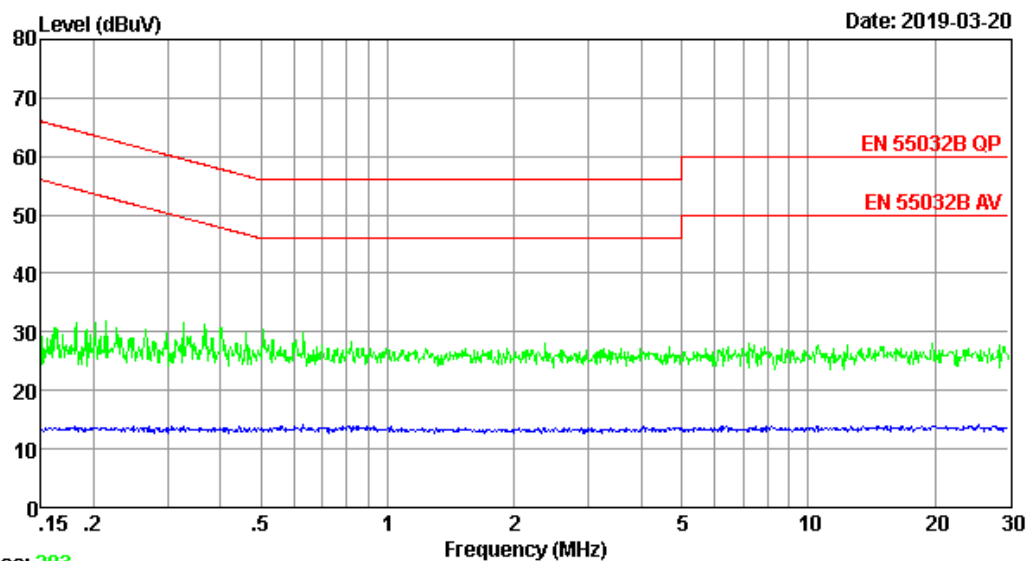
Trace: 281

Site no : 844 Shield Room Data no. : 282
Env. / Ins. : Temp:24.0°C Humi:55% Press:101.50kPa LINE Phase : LINE
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : No Load

Data: 284

File: \\EMC-CE-1\Test data\2019\DV\EM6 (284)

Date: 2019-03-20



Trace: 283

Site no : 844 Shield Room Data no. : 284
Env. / Ins. : Temp:24.0'C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
Limit : EN 55032B QP
Engineer : Zero
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : No Load

4.2. Radiated Emission Test

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

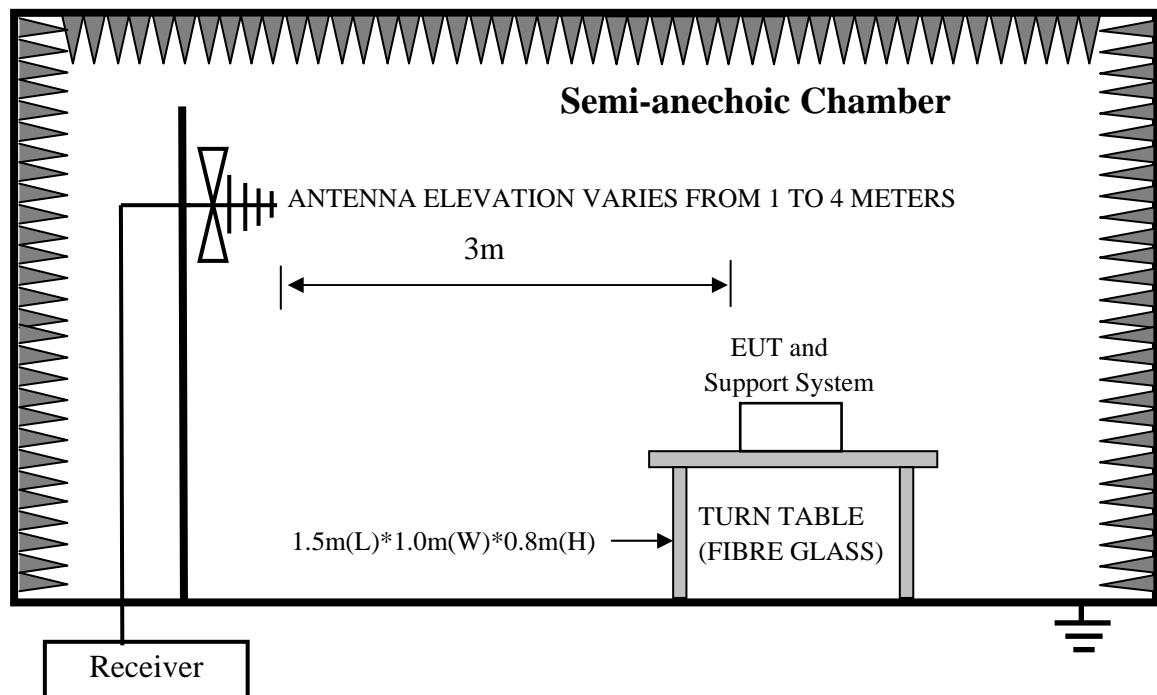
Test Setup

Date of test : Nov. 30, 2016; Dec. 12, 2018; Mar. 19-20, 2019
Model No. : GT-86182-1812-WF2x-USB
Input Voltage : AC 110V/60Hz, AC 230V/50Hz
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.

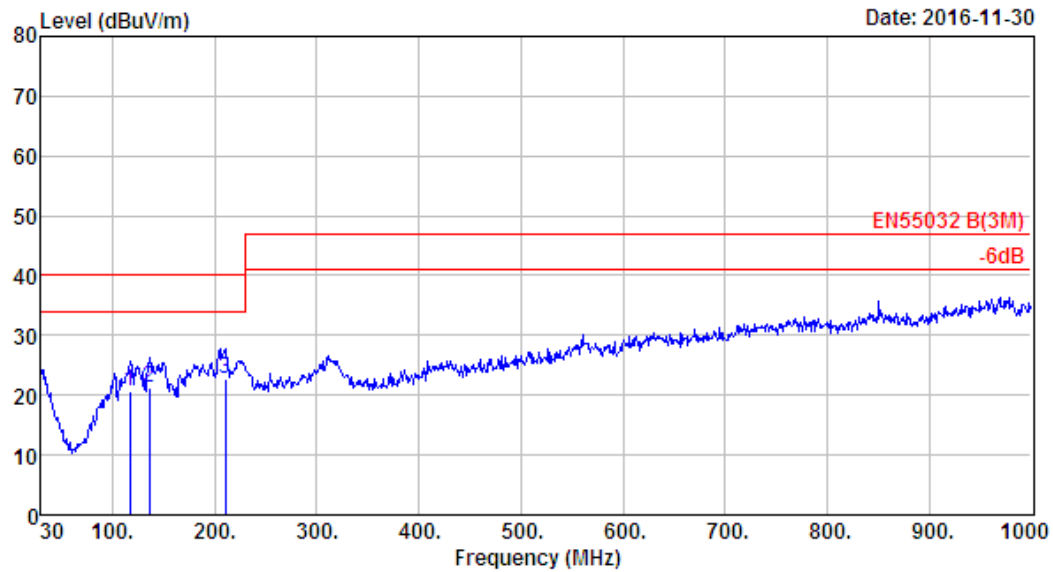
The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth setting on the test receiver was 120 kHz.



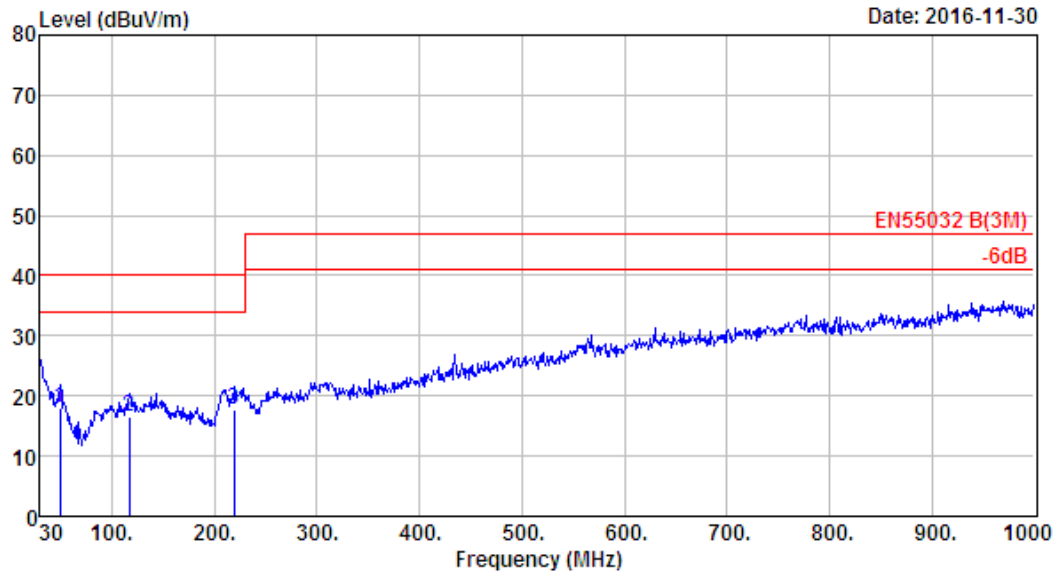
Note: Test uncertainty: ± 4.48 dB (H); ± 4.58 dB (V) at a level of confidence of 95%.

Test Data



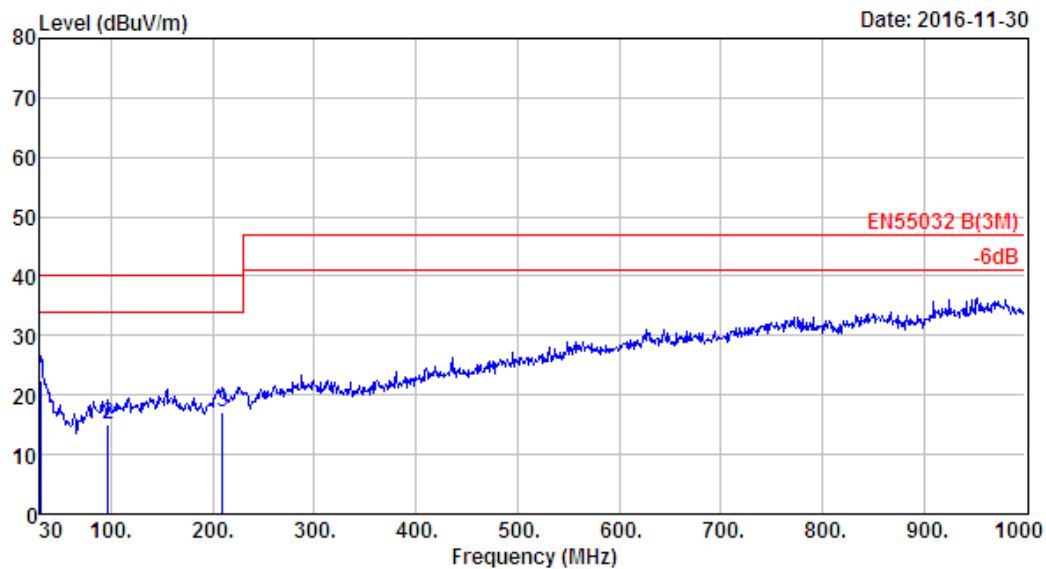
Site no. : 2# 966 chamber Data no. : 45
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load (Output:5V/3A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	117.30	11.04	1.32	8.19	20.55	40.00	19.45	QP
2	135.73	11.31	1.69	8.14	21.14	40.00	18.86	QP
3	210.42	8.45	2.11	12.20	22.76	40.00	17.24	QP



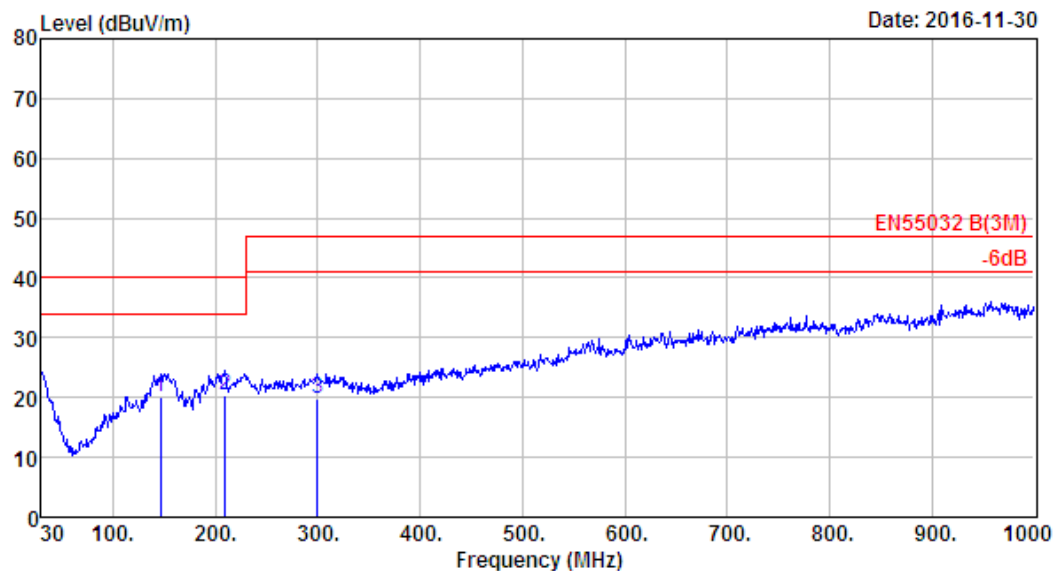
Site no. : 2# 966 chamber Data no. : 46
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:5V/3A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.40	8.11	1.17	8.66	17.94	40.00	22.06	QP
2	117.30	11.04	1.32	4.10	16.46	40.00	23.54	QP
3	219.15	8.92	2.23	6.45	17.60	40.00	22.40	QP



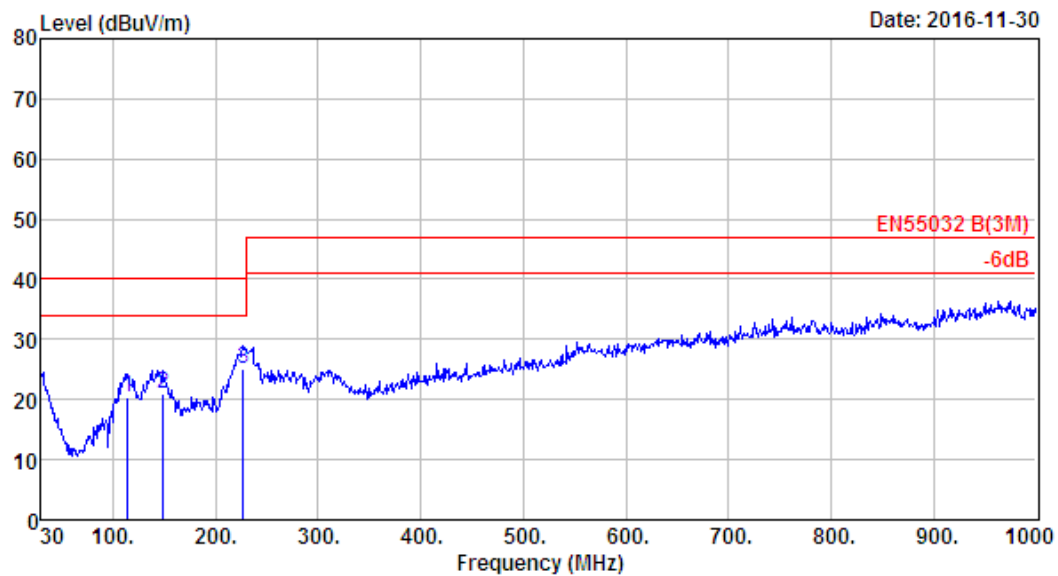
Site no. : 2# 966 chamber Data no. : 47
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load (Output:5V/3A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.97	17.81	1.00	3.66	22.47	40.00	17.53	QP
2	96.93	9.21	1.77	4.21	15.19	40.00	24.81	QP
3	209.45	8.38	2.09	6.71	17.18	40.00	22.82	QP



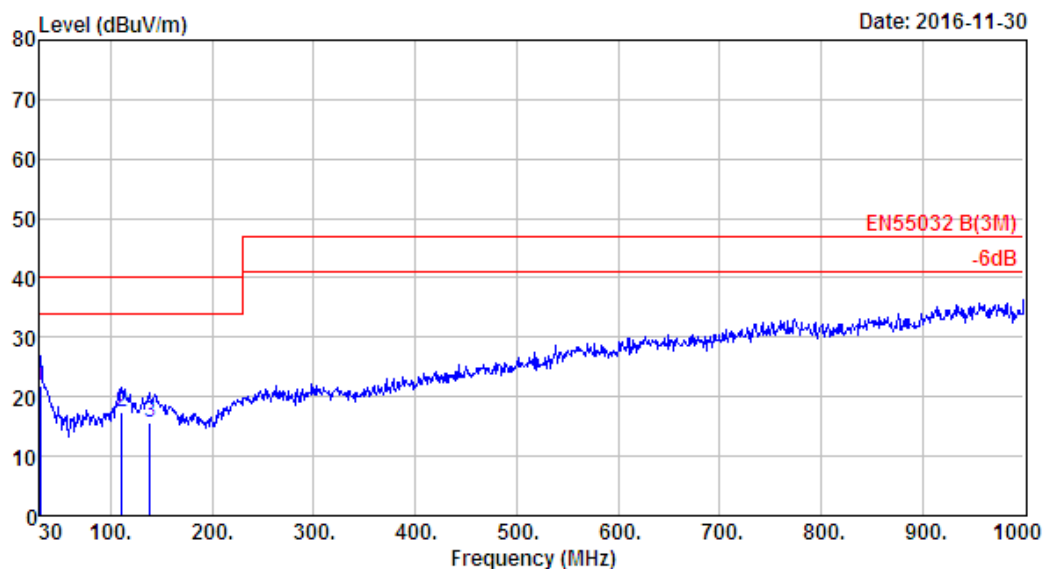
Site no. : 2# 966 chamber Data no. : 48
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:5V/3A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	146.40	11.03	1.74	7.24	20.01	40.00	19.99	QP
2	209.45	8.38	2.09	9.93	20.40	40.00	19.60	QP
3	299.66	12.87	2.48	4.50	19.85	47.00	27.15	QP



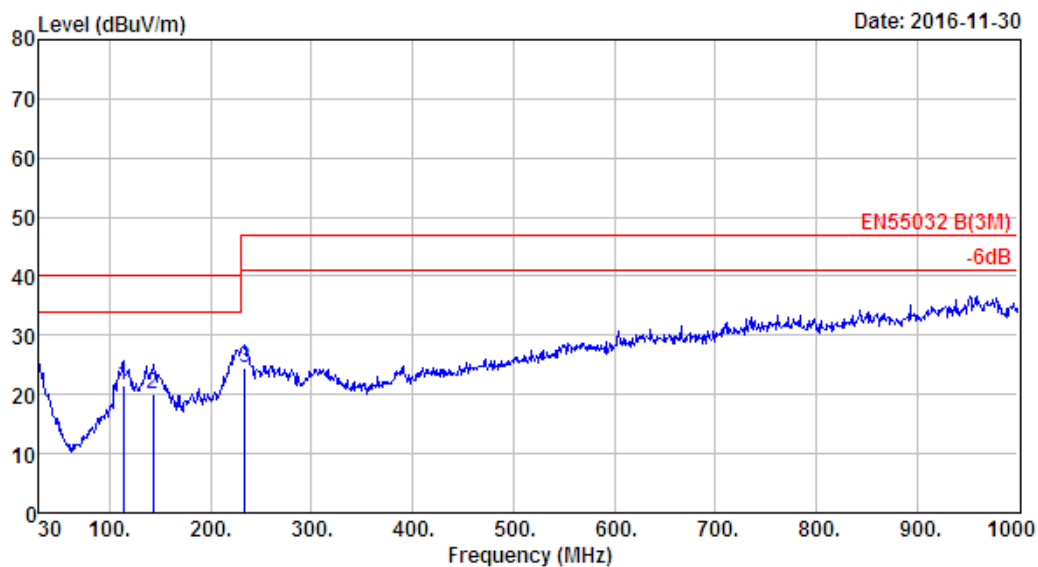
Site no. : 2# 966 chamber Data no. : 49
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	114.39	10.88	1.50	7.93	20.31	40.00	19.69	QP
2	149.31	10.80	1.77	8.27	20.84	40.00	19.16	QP
3	226.91	9.35	2.27	13.36	24.98	40.00	15.02	QP



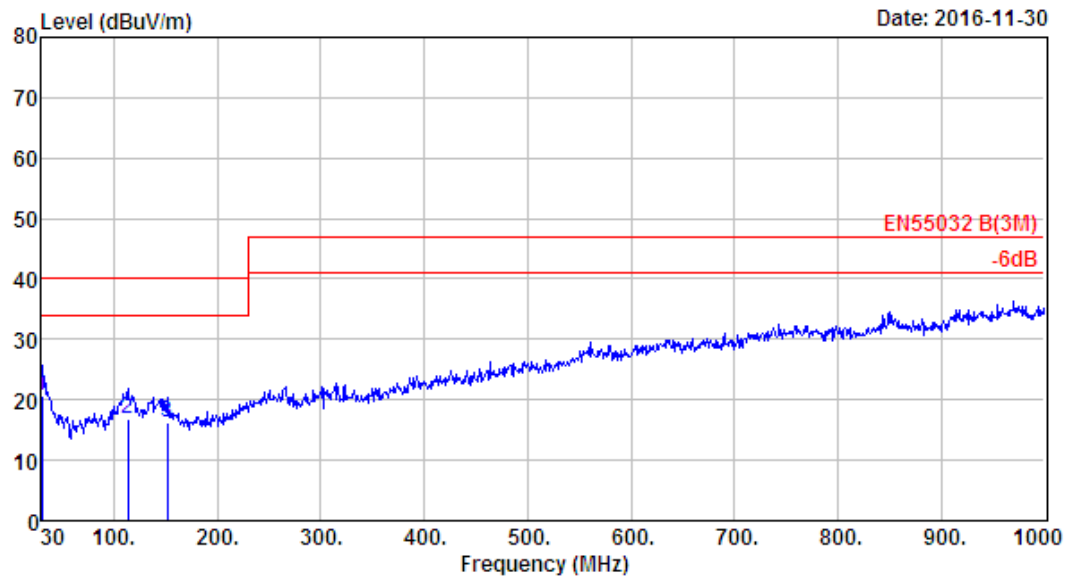
Site no. : 2# 966 chamber Data no. : 50
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq.	ANT	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limit	Margin	Remark
		(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.00	18.09	1.04	2.85	21.98	40.00	18.02	QP
2	110.51	10.51	1.32	5.67	17.50	40.00	22.50	QP
3	138.64	11.27	1.67	2.82	15.76	40.00	24.24	QP



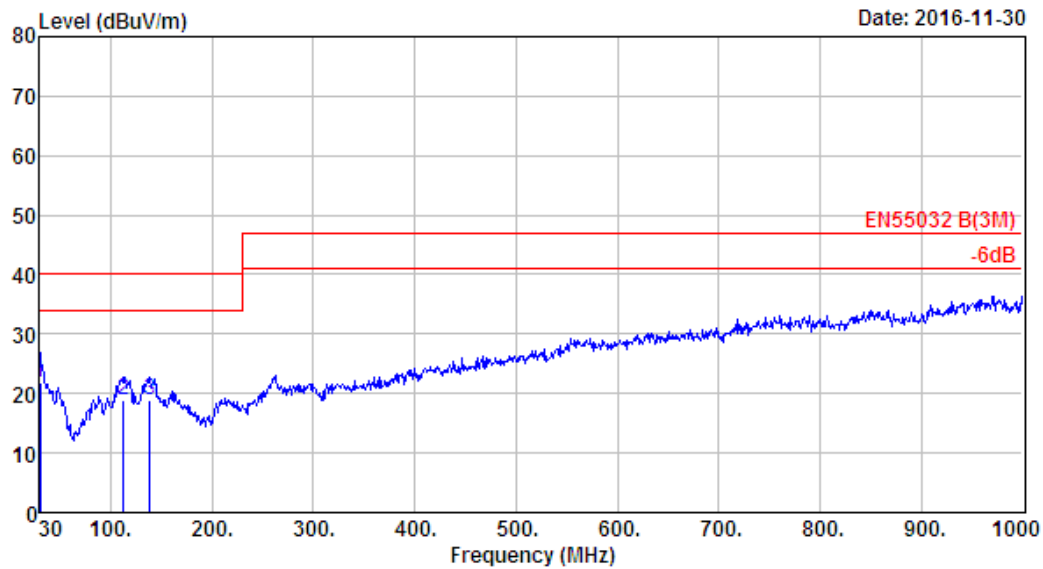
Site no. : 2# 966 chamber Data no. : 51
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	113.42	10.79	1.61	9.29	21.69	40.00	18.31	QP
2	142.52	11.18	1.77	7.07	20.02	40.00	19.98	QP
3	233.70	9.61	2.11	12.68	24.40	47.00	22.60	QP



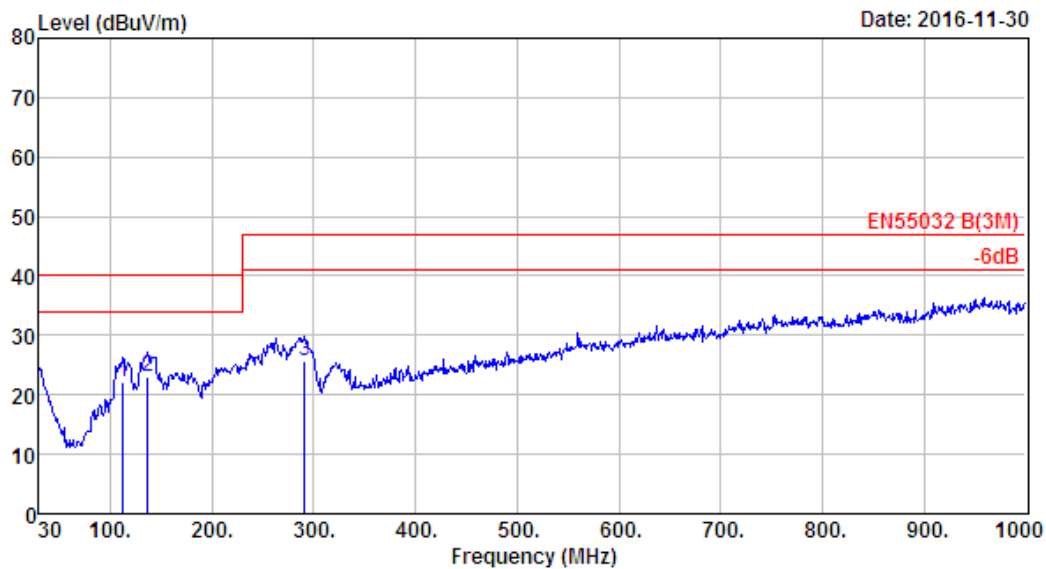
Site no. : 2# 966 chamber Data no. : 52
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:9V/2A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	18.09	1.04	1.61	20.74	40.00	19.26	QP
2	113.42	10.79	1.61	4.56	16.96	40.00	23.04	QP
3	151.25	10.66	1.78	3.83	16.27	40.00	23.73	QP



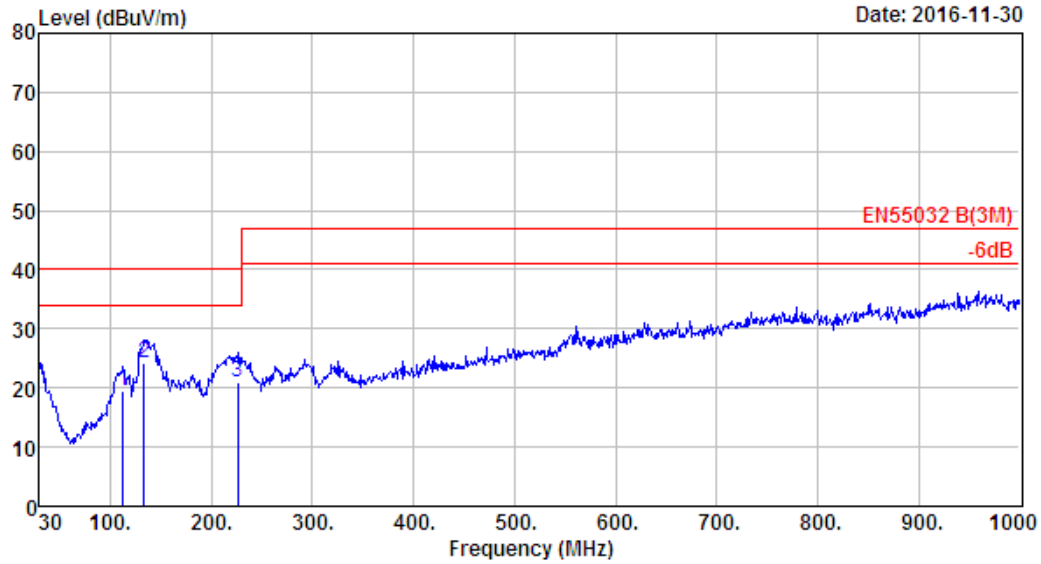
Site no. : 2# 966 chamber Data no. : 53
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	18.09	1.04	2.73	21.86	40.00	18.14	QP
2	112.45	10.69	1.51	6.59	18.79	40.00	21.21	QP
3	138.64	11.27	1.67	5.83	18.77	40.00	21.23	QP



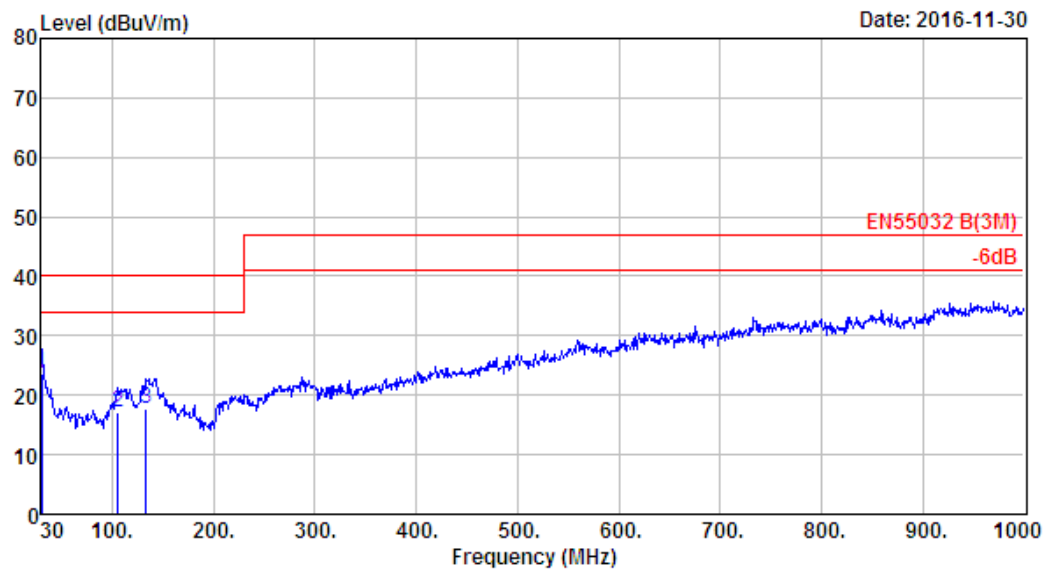
Site no. : 2# 966 chamber Data no. : 54
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 230V/50Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	112.45	10.69	1.51	10.03	22.23	40.00	17.77	QP
2	136.70	11.30	1.69	10.03	23.02	40.00	16.98	QP
3	290.93	12.69	2.46	10.52	25.67	47.00	21.33	QP



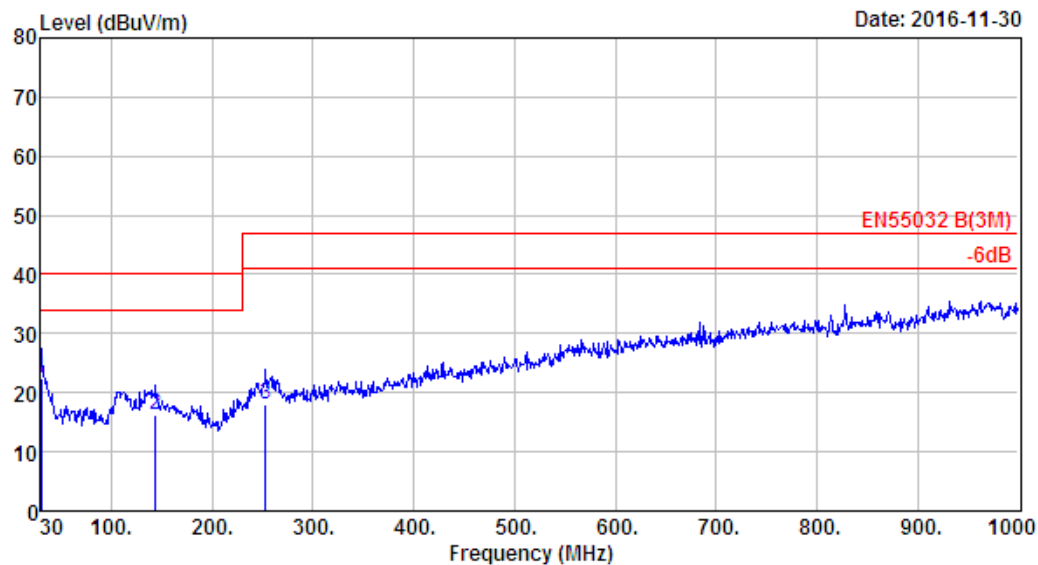
Site no. : 2# 966 chamber Data no. : 55
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	112.45	10.69	1.51	7.41	19.61	40.00	20.39	QP
2	133.79	11.29	1.59	11.30	24.18	40.00	15.82	QP
3	225.94	9.32	2.37	9.29	20.98	40.00	19.02	QP



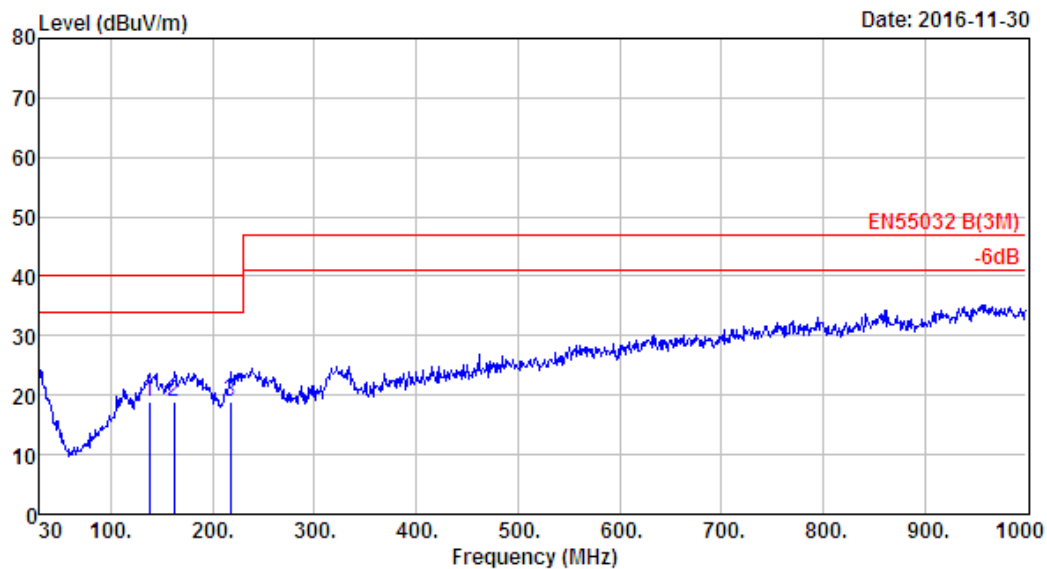
Site no. : 2# 966 chamber Data no. : 56
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	18.09	1.04	4.49	23.62	40.00	16.38	QP
2	105.66	10.11	1.50	5.50	17.11	40.00	22.89	QP
3	133.79	11.29	1.59	4.82	17.70	40.00	22.30	QP



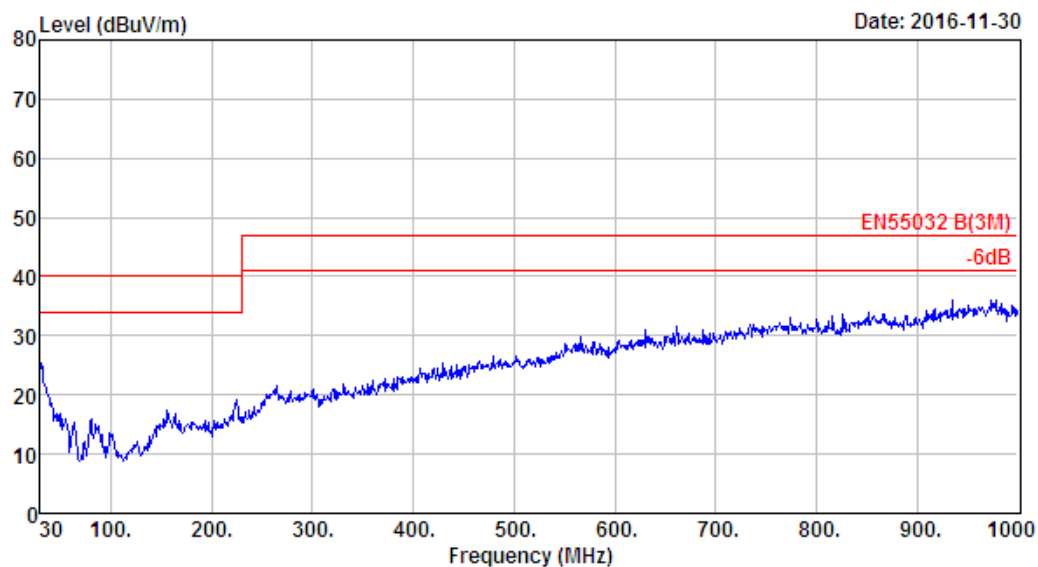
Site no. : 2# 966 chamber Data no. : 57
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/0.75A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	18.09	1.04	3.33	22.46	40.00	17.54	QP
2	143.49	11.16	1.75	3.36	16.27	40.00	23.73	QP
3	253.10	12.42	2.18	3.37	17.97	47.00	29.03	QP

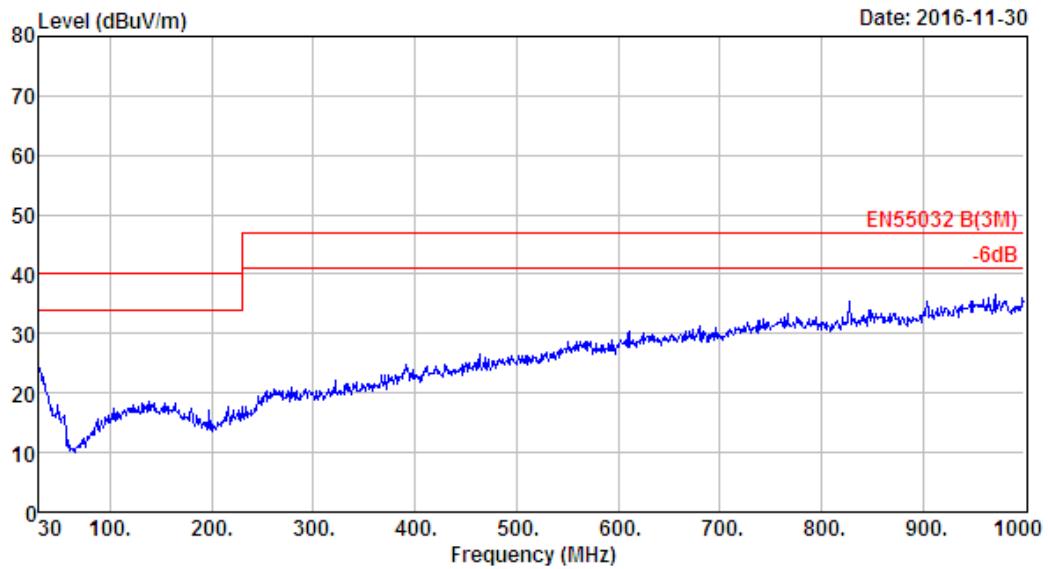


Site no. : 2# 966 chamber Data no. : 58
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/0.75A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	137.67	11.28	1.69	5.79	18.76	40.00	21.24	QP
2	161.92	10.08	1.83	7.06	18.97	40.00	21.03	QP
3	217.21	8.73	2.20	8.09	19.02	40.00	20.98	QP

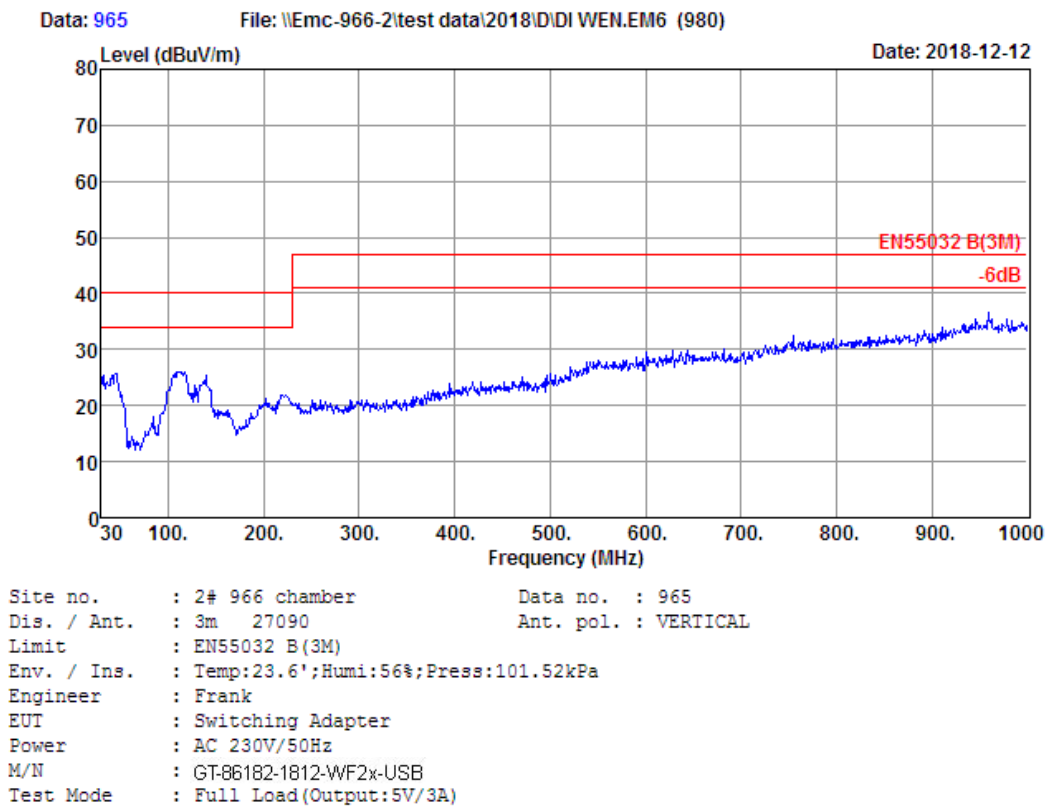


Site no. : 2# 966 chamber Data no. : 59
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Hale
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : No Load



Site no.	: 2# 966 chamber	Data no.	: 60
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 Adapter		
Power	: AC 110V/60Hz		
M/N	: GT-86182-1812-WF2x-USB		
Test Mode	: No Load		

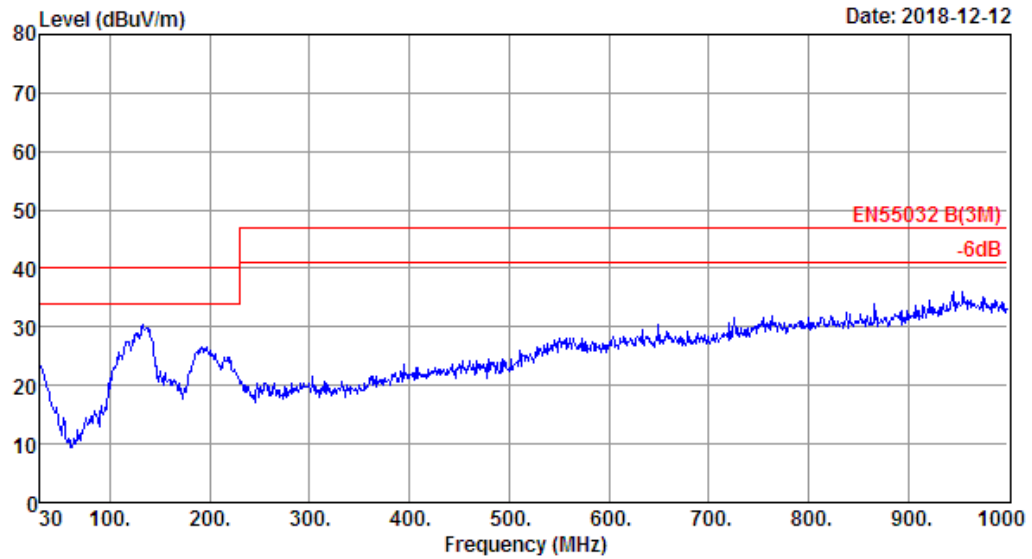
Filing L1 New Data



Data: 966

File: \\Emc-966-2\test data\2018\DI\DI WEN.EM6 (980)

Date: 2018-12-12

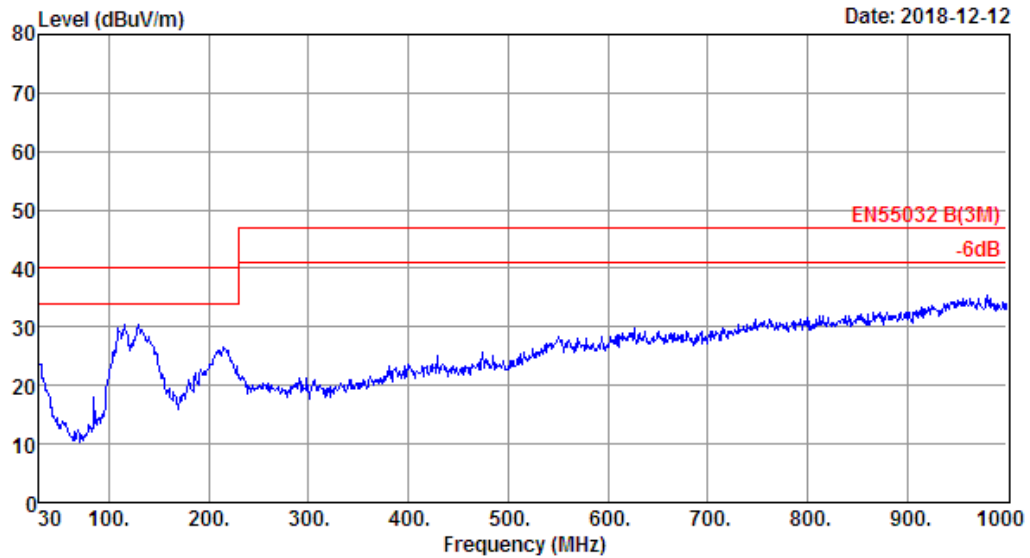


Site no. : 2# 966 chamber Data no. : 966
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:5V/3A)

Data: 967

File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12

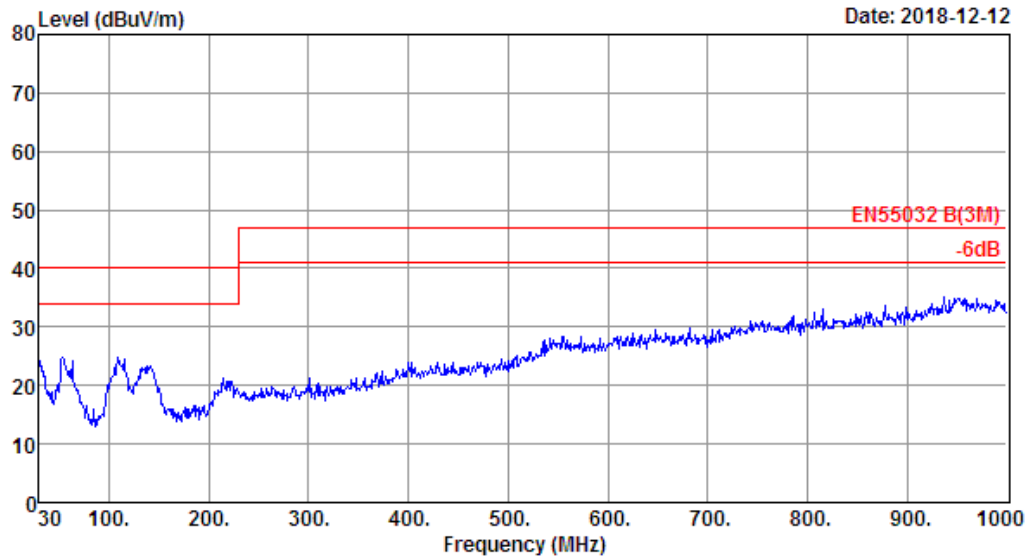


Site no. : 2# 966 chamber Data no. : 967
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:5V/3A)

Data: 968

File: \\Emc-966-2\test data\2018\DI\DI WEN.EM6 (980)

Date: 2018-12-12

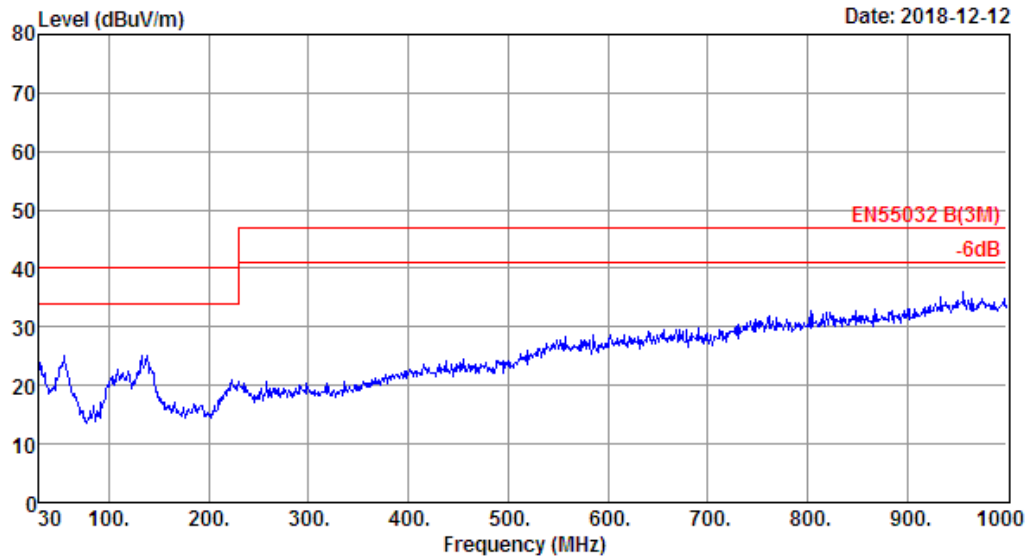


Site no. : 2# 966 chamber Data no. : 968
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:5V/3A)

Data: 969

File: \\Emc-966-2\test data\2018\DI WEN.EM6 (980)

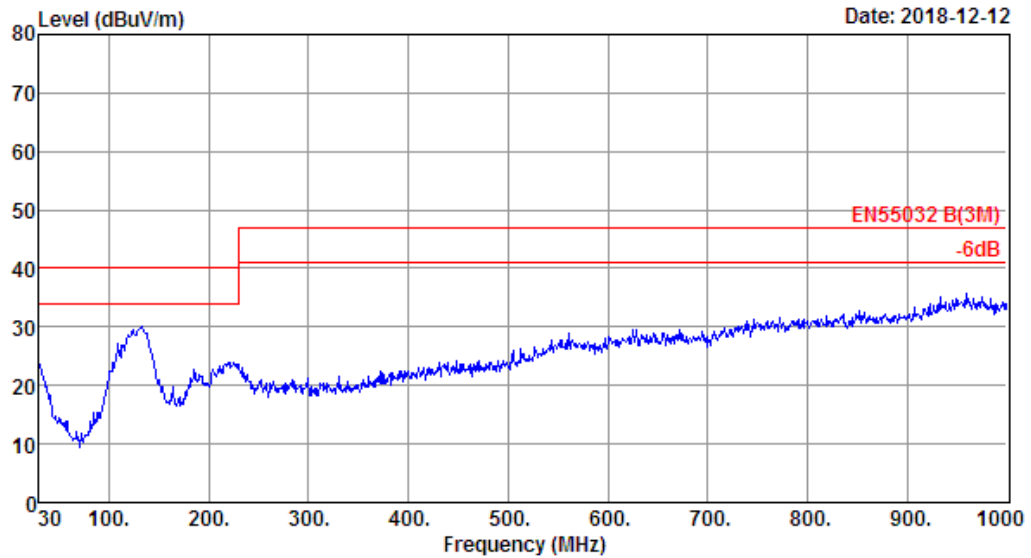
Date: 2018-12-12



Site no. : 2# 966 chamber Data no. : 969
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 970 File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12

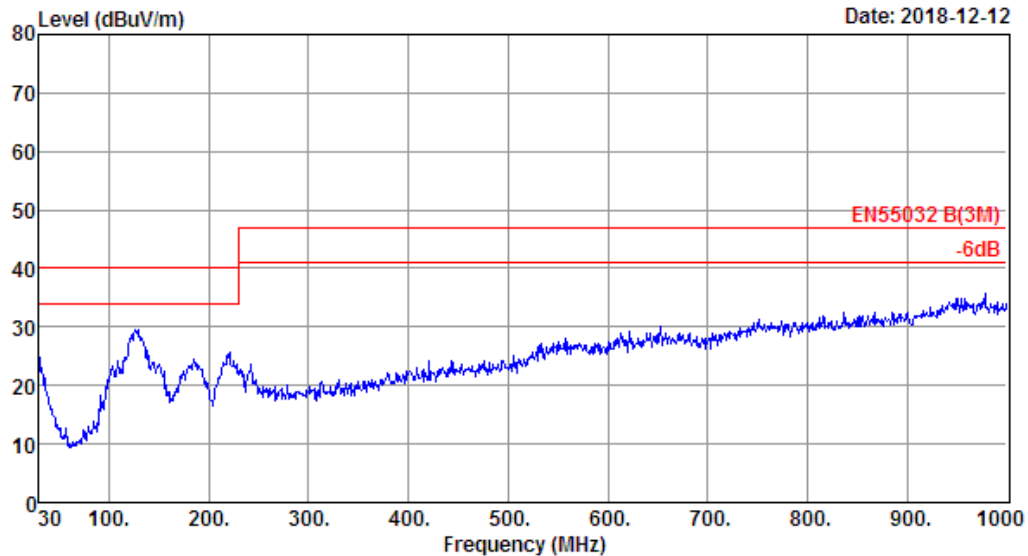


Site no. : 2# 966 chamber Data no. : 970
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 971

File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12

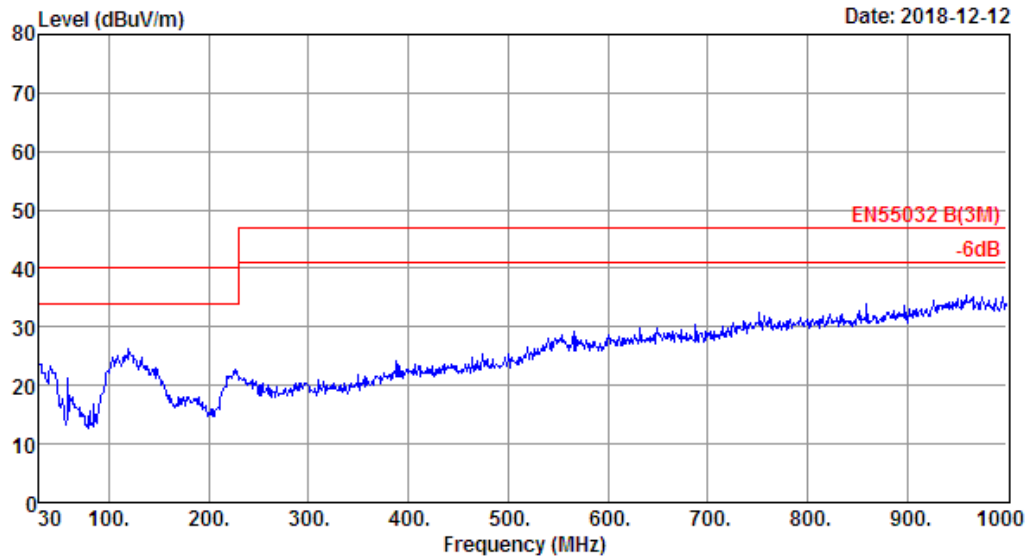


Site no. : 2# 966 chamber Data no. : 971
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 972

File: \\Emc-966-2\test data\2018\DI WEN.EM6 (980)

Date: 2018-12-12

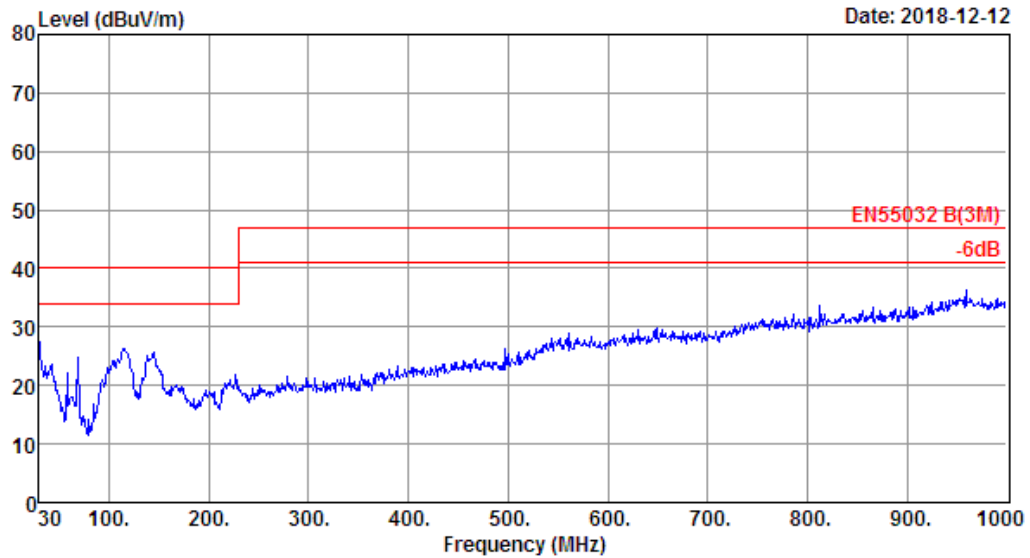


Site no. : 2# 966 chamber Data no. : 972
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 973

File: \\Emc-966-2\test data\2018\DI WEN.EM6 (980)

Date: 2018-12-12

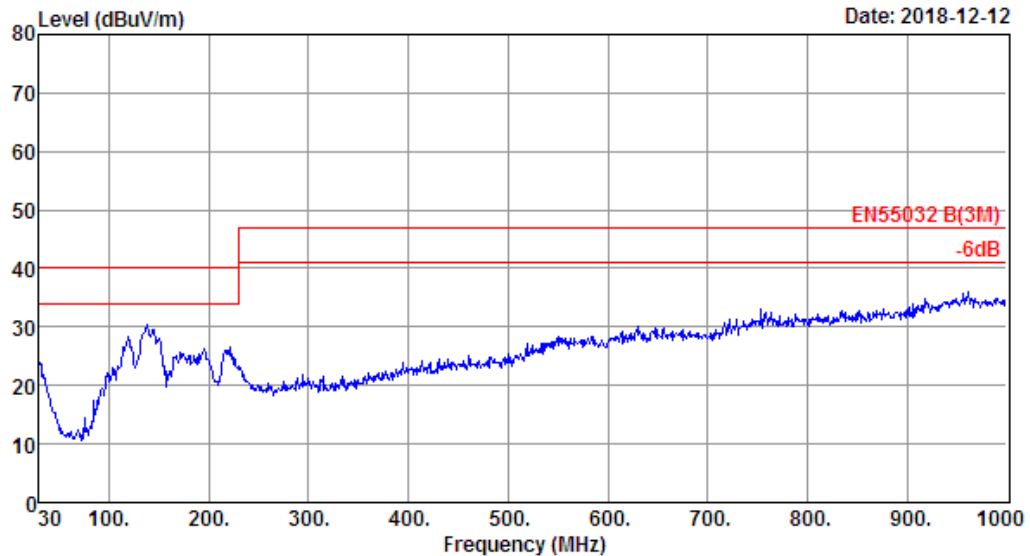


Site no. : 2# 966 chamber Data no. : 973
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 974

File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12

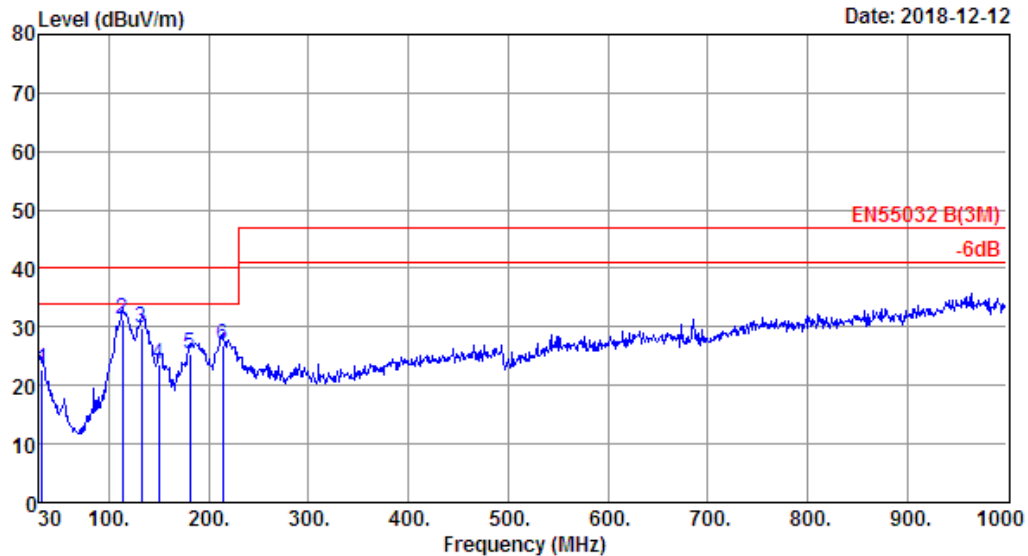


Site no. : 2# 966 chamber Data no. : 974
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 975

File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12



Site no. : 2# 966 chamber Data no. : 975
 Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Frank
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

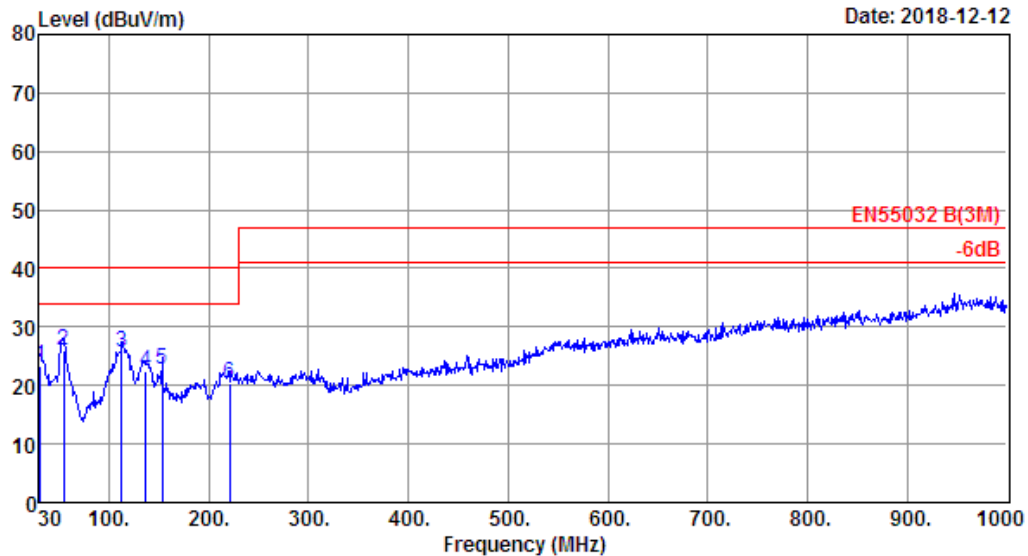
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.91	17.44	0.22	5.12	22.78	40.00	17.22	QP
2	113.42	10.97	0.84	19.42	31.23	40.00	8.77	QP
3	132.82	11.71	0.90	17.31	29.92	40.00	10.08	QP
4	150.28	11.10	0.99	11.55	23.64	40.00	16.36	QP
5	181.32	9.03	1.08	15.17	25.28	40.00	14.72	QP
6	214.30	9.12	1.24	16.62	26.98	40.00	13.02	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Data: 976

File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12



Site no. : 2# 966 chamber Data no. : 976
 Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Frank
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:12V/1.5A)

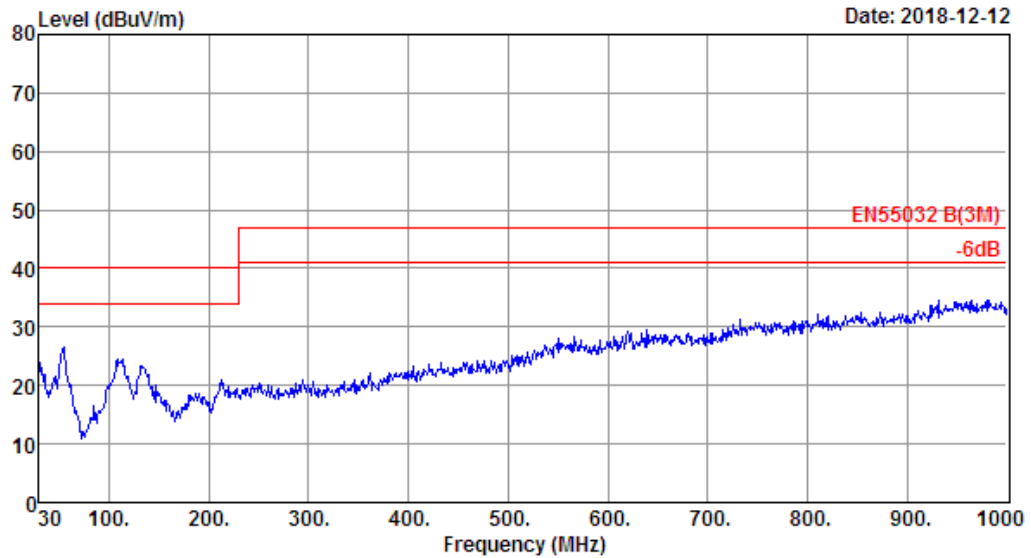
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.97	18.48	0.20	4.79	23.47	40.00	16.53	QP
2	54.25	6.26	0.30	19.54	26.10	40.00	13.90	QP
3	112.45	10.95	0.84	13.75	25.54	40.00	14.46	QP
4	136.70	11.59	0.93	9.81	22.33	40.00	17.67	QP
5	153.19	10.86	1.01	10.99	22.86	40.00	17.14	QP
6	221.09	9.88	1.28	9.35	20.51	40.00	19.49	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Data: 977

File: \\Emc-966-2\test data\2018\DI\DI WEN.EM6 (980)

Date: 2018-12-12

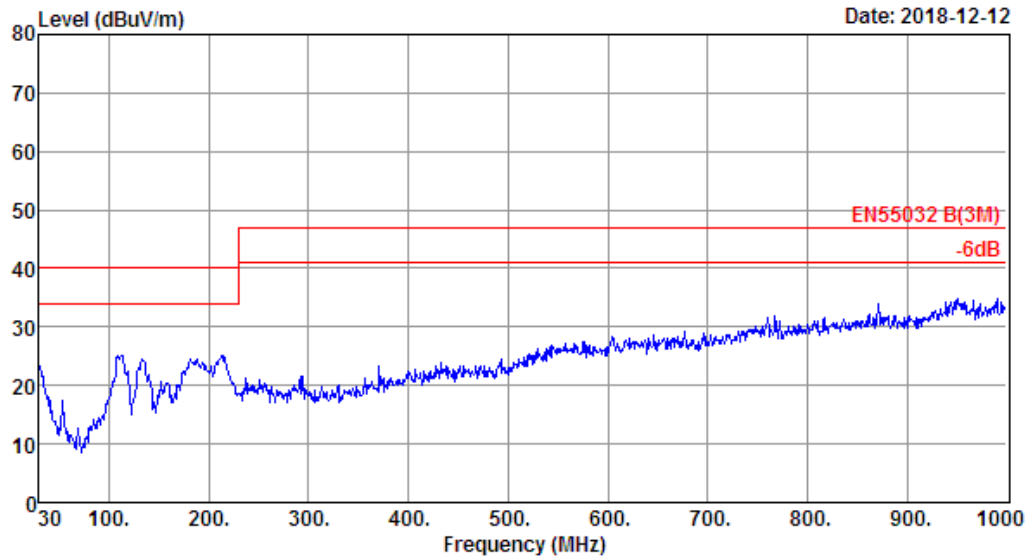


Site no. : 2# 966 chamber Data no. : 977
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Half Load(Output:12V/0.75A)

Data: 978

File: \\Emc-966-2\test data\2018\DI WEN.EM6 (980)

Date: 2018-12-12

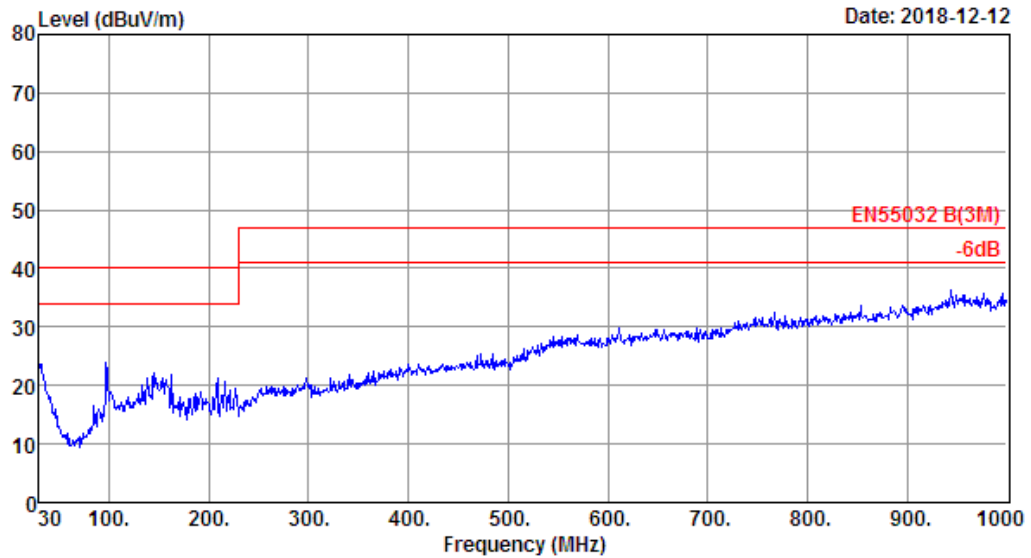


Site no. : 2# 966 chamber Data no. : 978
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Half Load(Output:12V/0.75A)

Data: 979

File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12

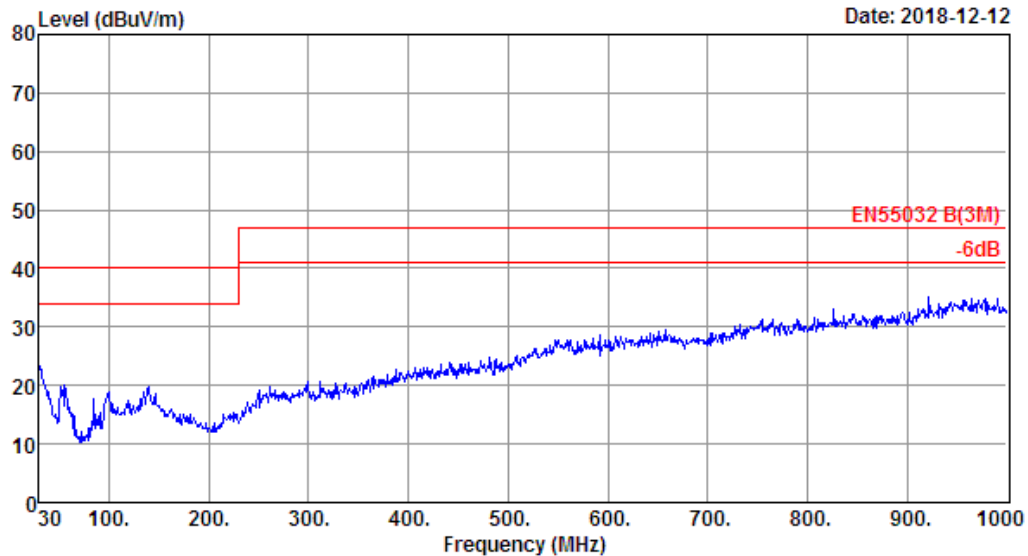


Site no. : 2# 966 chamber Data no. : 979
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : No Load

Data: 980

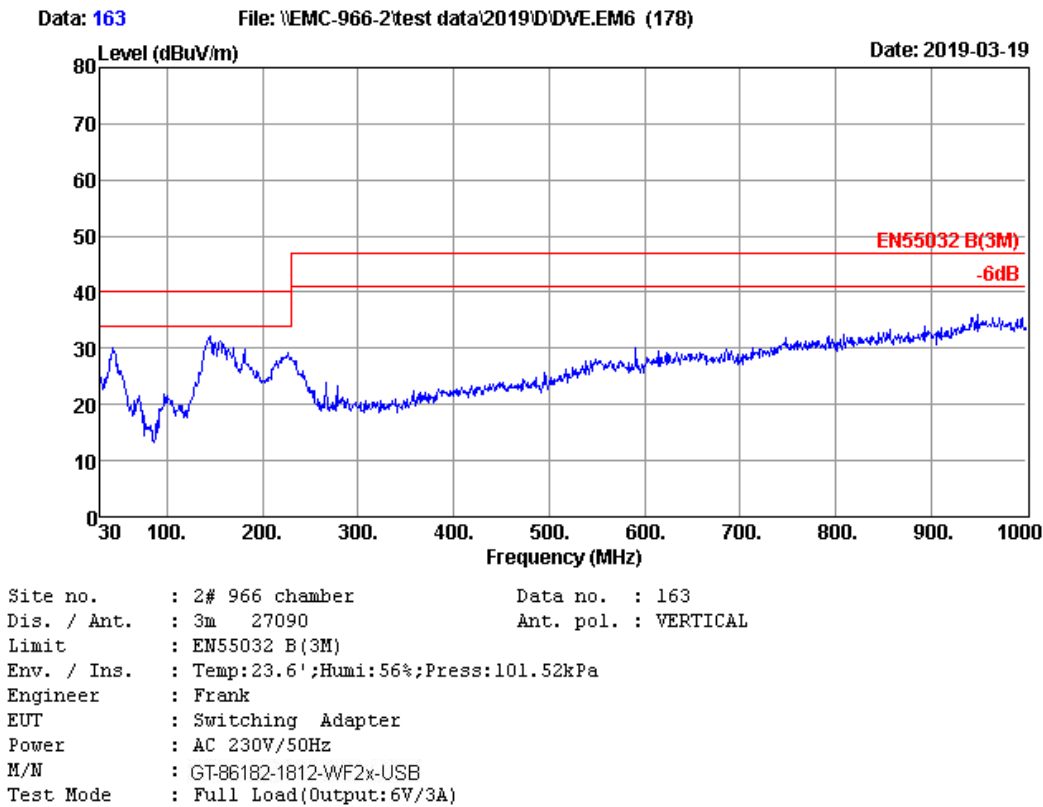
File: \\Emc-966-2\\test data\\2018\\D\\DI WEN.EM6 (980)

Date: 2018-12-12



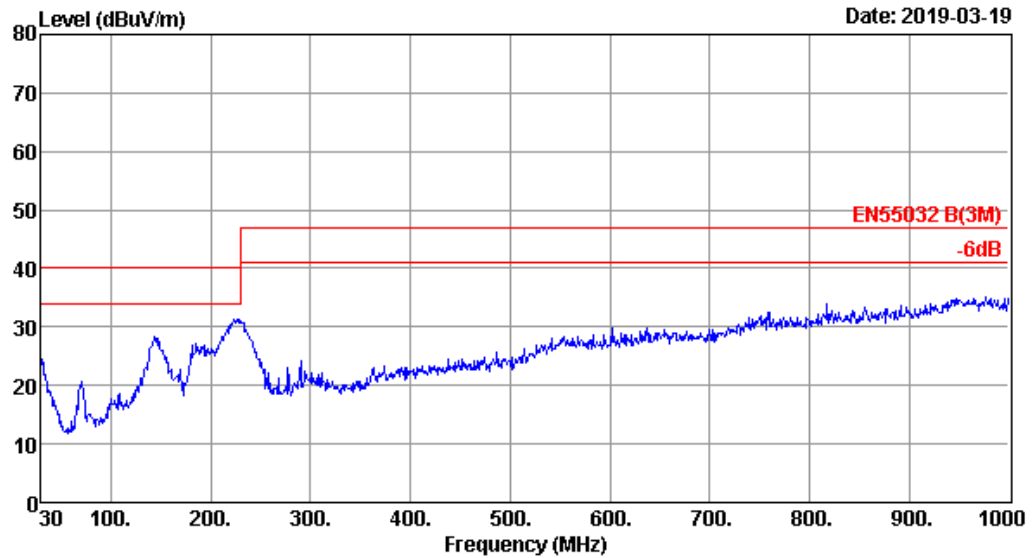
Site no.	: 2# 966 chamber	Data no.	: 980
Dis. / Ant.	: 3m 27090	Ant. pol.	: VERTICAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Frank		
EUT	: Switching Adapter		
Power	: AC 110V/60Hz		
M/N	: GT-86182-1812-WF2x-USB		
Test Mode	: No Load		

add test data of UK plug



Data: 164 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-19

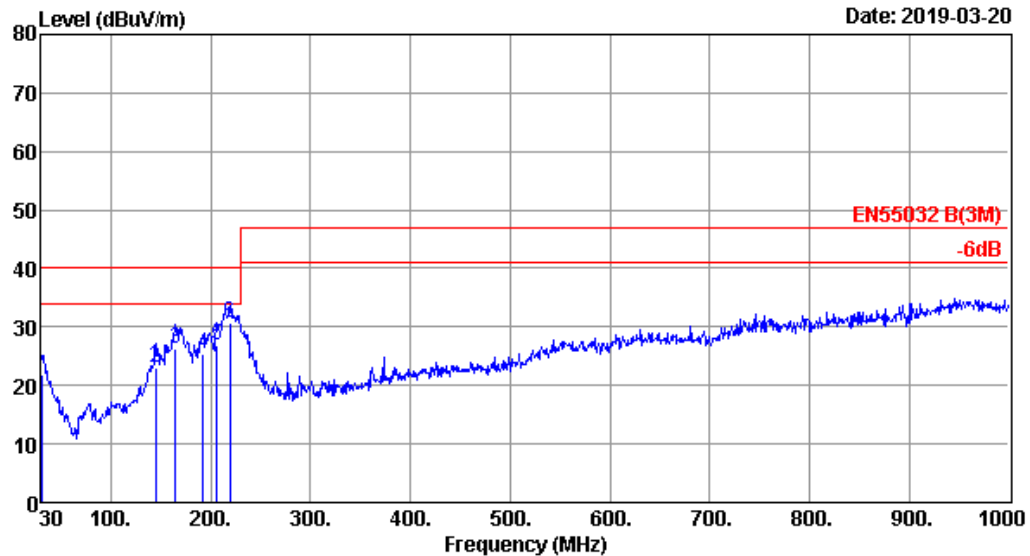


Site no. : 2# 966 chamber Data no. : 164
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:6V/3A)

Data: 165

File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20



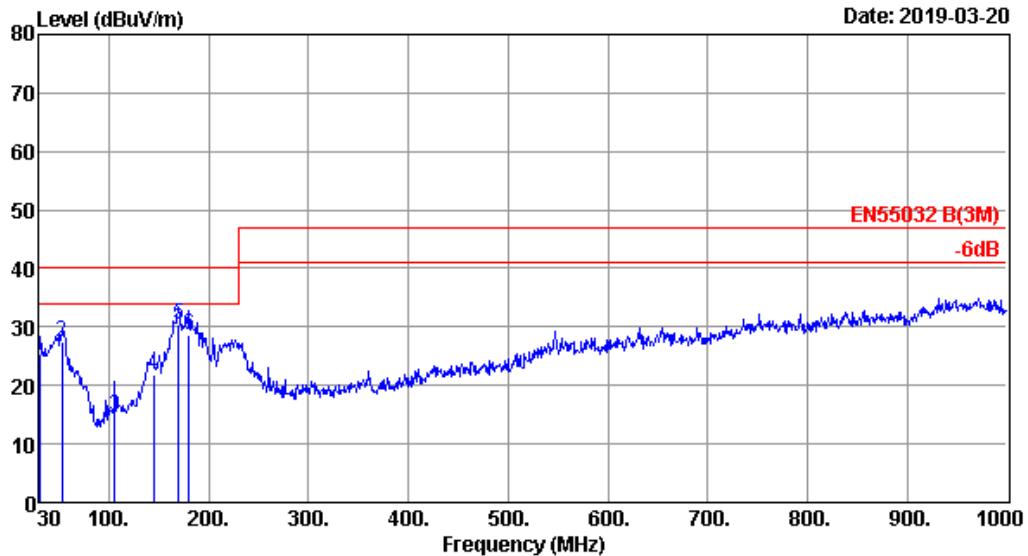
Site no. : 2# 966 chamber Data no. : 165
 Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Frank
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:6V/3A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	19.00	0.19	2.77	21.96	40.00	18.04	QP
2	144.46	11.32	0.96	10.83	23.11	40.00	16.89	QP
3	164.83	9.95	1.04	15.32	26.31	40.00	13.69	QP
4	191.99	8.30	1.09	15.91	25.30	40.00	14.70	QP
5	206.54	8.35	1.16	17.26	26.77	40.00	13.23	QP
6	219.15	9.77	1.25	19.78	30.80	40.00	9.20	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Data: 166 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20



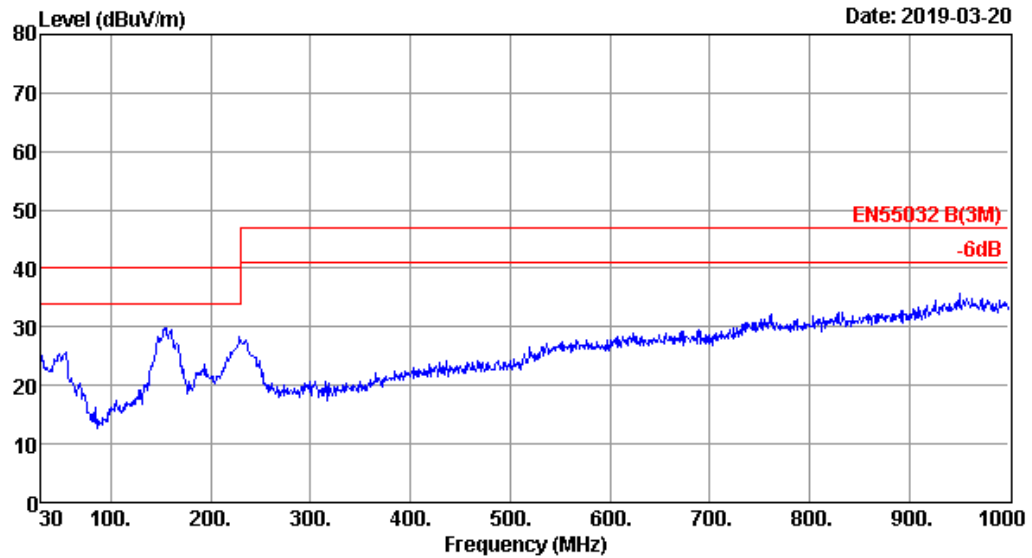
Site no. : 2# 966 chamber Data no. : 166
 Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
 Limit : EN55032 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Frank
 EUT : Switching Adapter
 Power : AC 110V/60Hz
 M/N : GT-86182-1812-WF2x-USB
 Test Mode : Full Load(Output:6V/3A)

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	19.00	0.19	6.13	25.32	40.00	14.68	QP
2	53.28	6.52	0.31	20.53	27.36	40.00	12.64	QP
3	105.66	10.66	0.90	3.17	14.73	40.00	25.27	QP
4	144.46	11.32	0.96	9.54	21.82	40.00	18.18	QP
5	169.68	9.60	1.05	19.85	30.50	40.00	9.50	QP
6	180.35	9.10	1.08	18.45	28.63	40.00	11.37	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Data: 167 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20

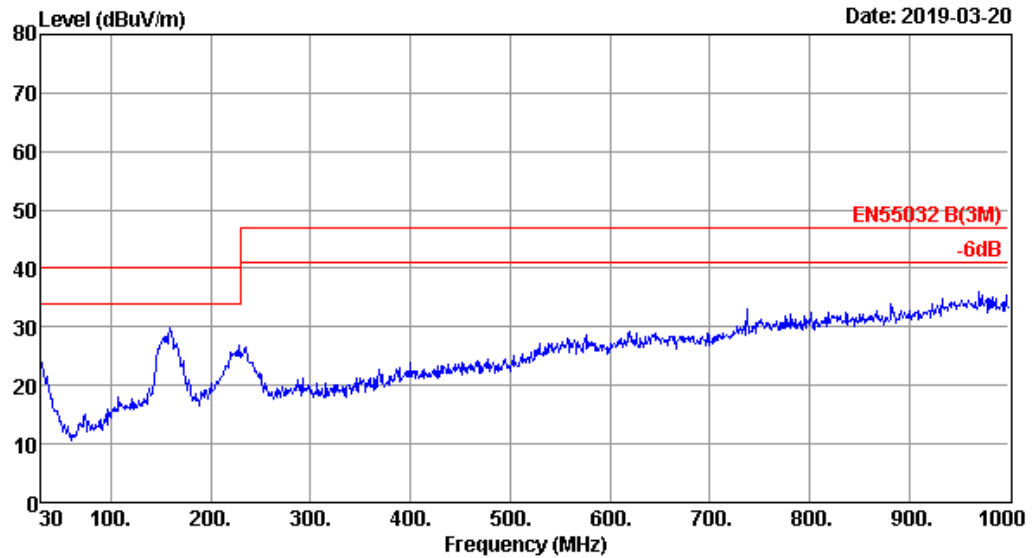


Site no. : 2# 966 chamber Data no. : 167
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 168

File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

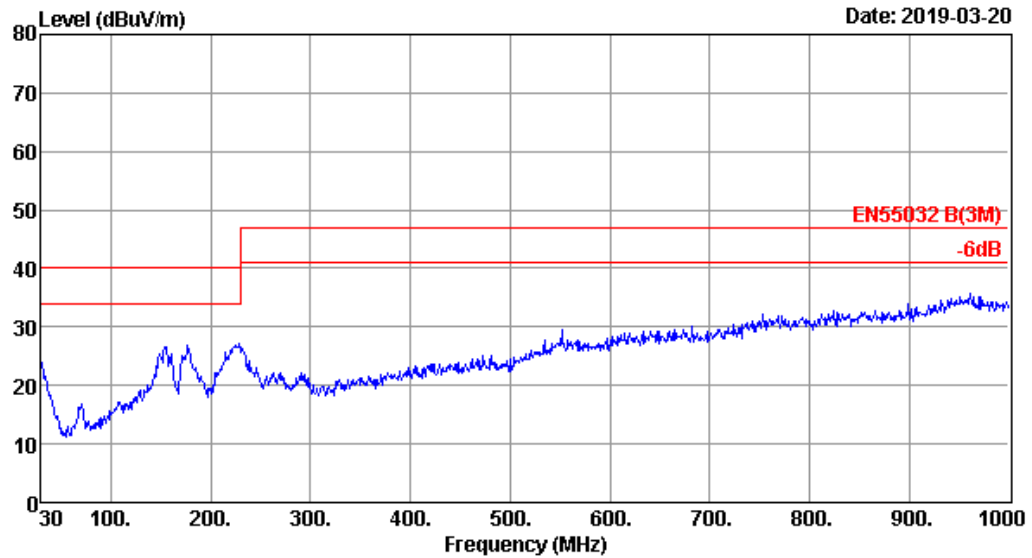
Date: 2019-03-20



Site no. : 2# 966 chamber Data no. : 168
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 169 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

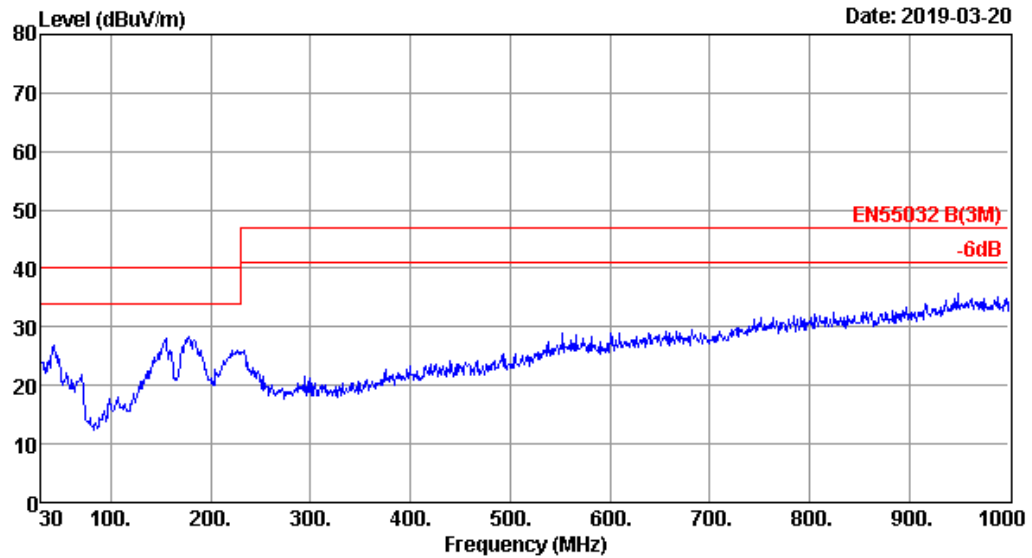
Date: 2019-03-20



Site no. : 2# 966 chamber Data no. : 169
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 170 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

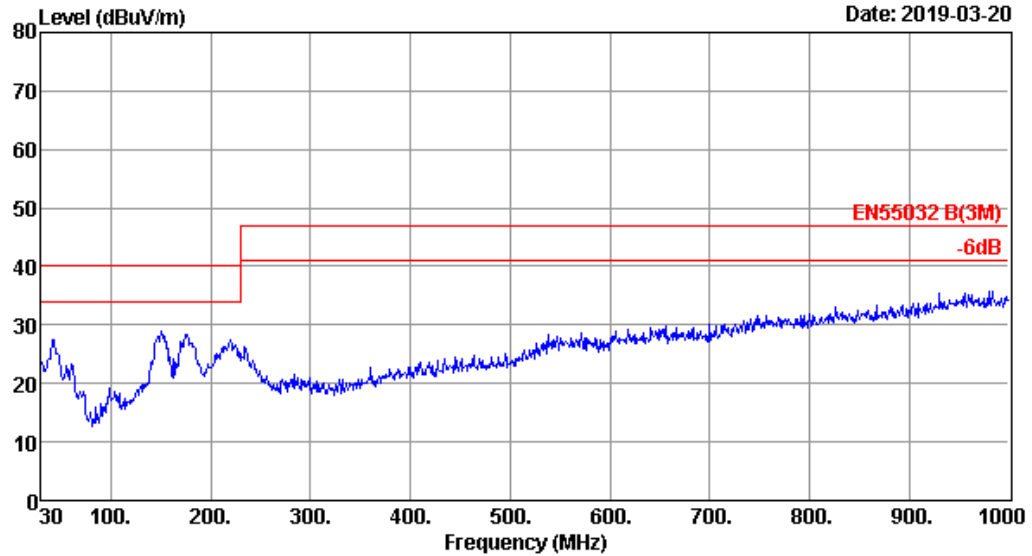
Date: 2019-03-20



Site no. : 2# 966 chamber Data no. : 170
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:9V/2A)

Data: 171 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20

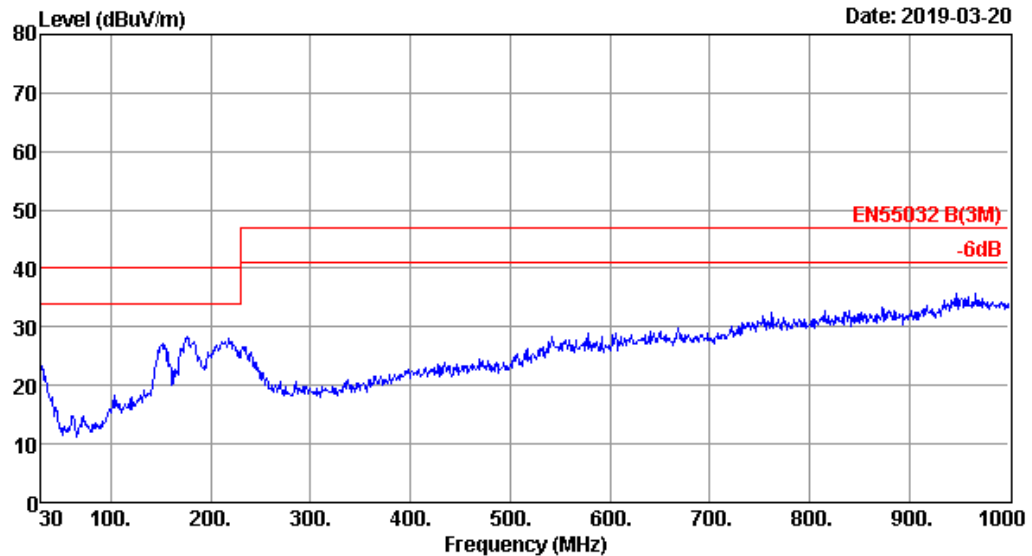


Site no. : 2# 966 chamber Data no. : 171
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 172

File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

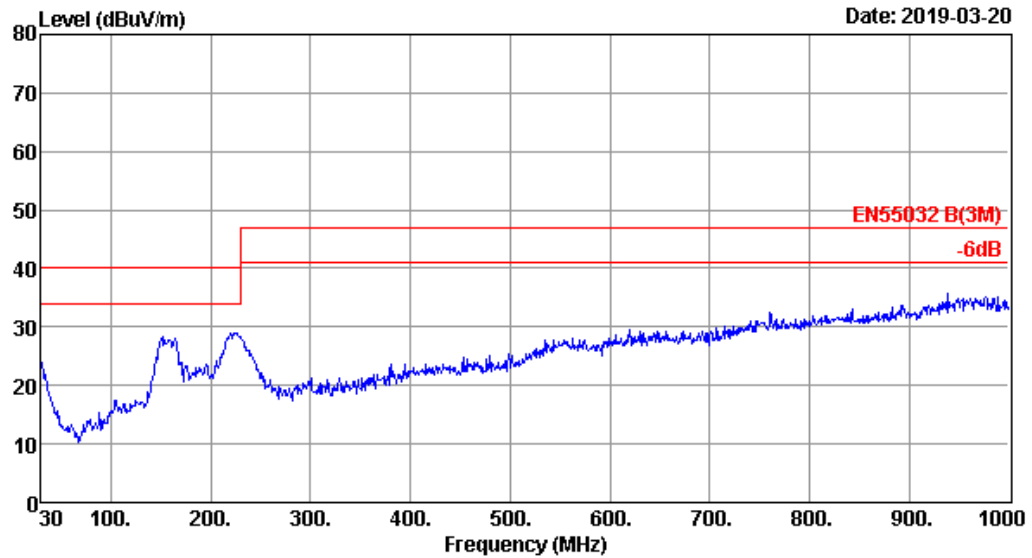
Date: 2019-03-20



Site no. : 2# 966 chamber Data no. : 172
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 230V/50Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 173 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

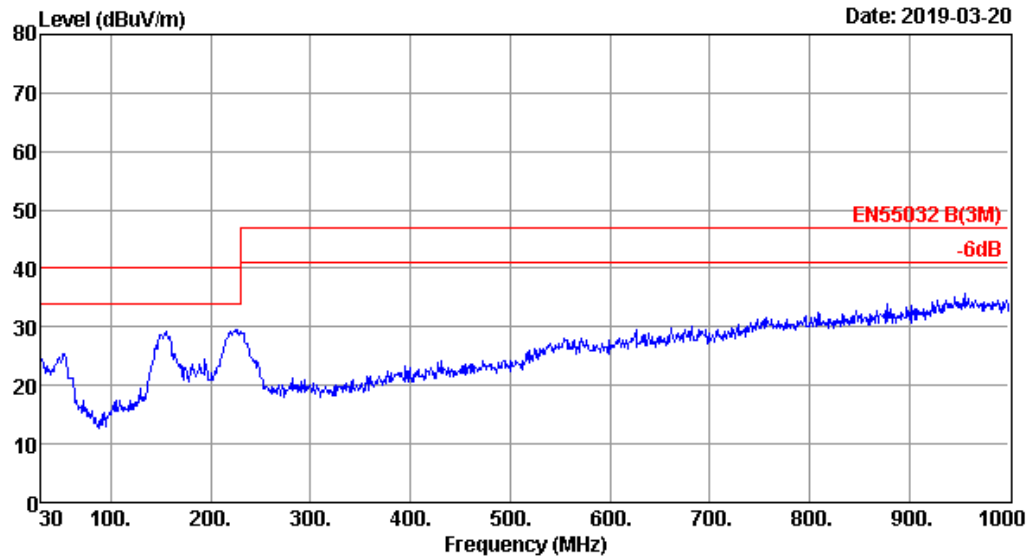
Date: 2019-03-20



Site no. : 2# 966 chamber Data no. : 173
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 174 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20

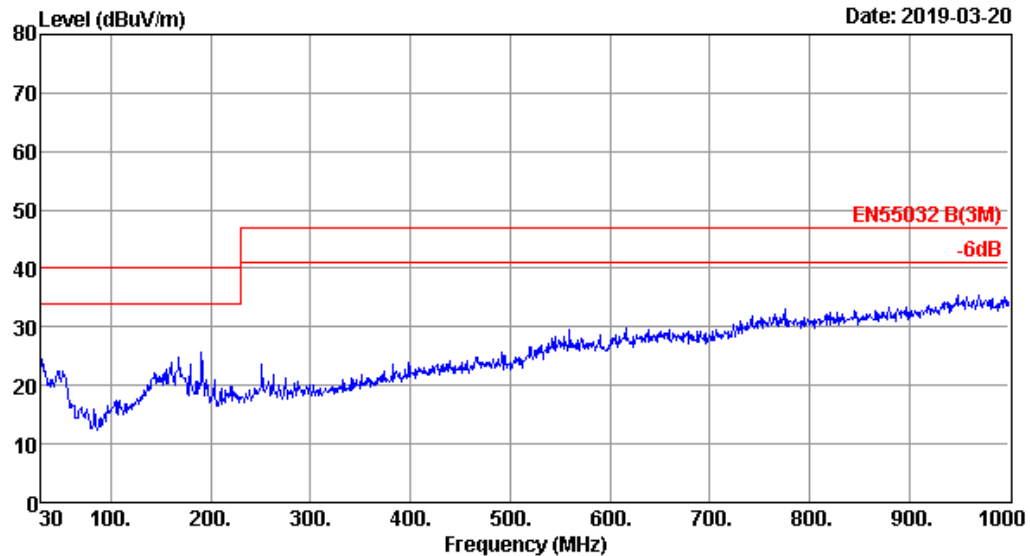


Site no. : 2# 966 chamber Data no. : 174
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Full Load(Output:12V/1.5A)

Data: 175

File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20

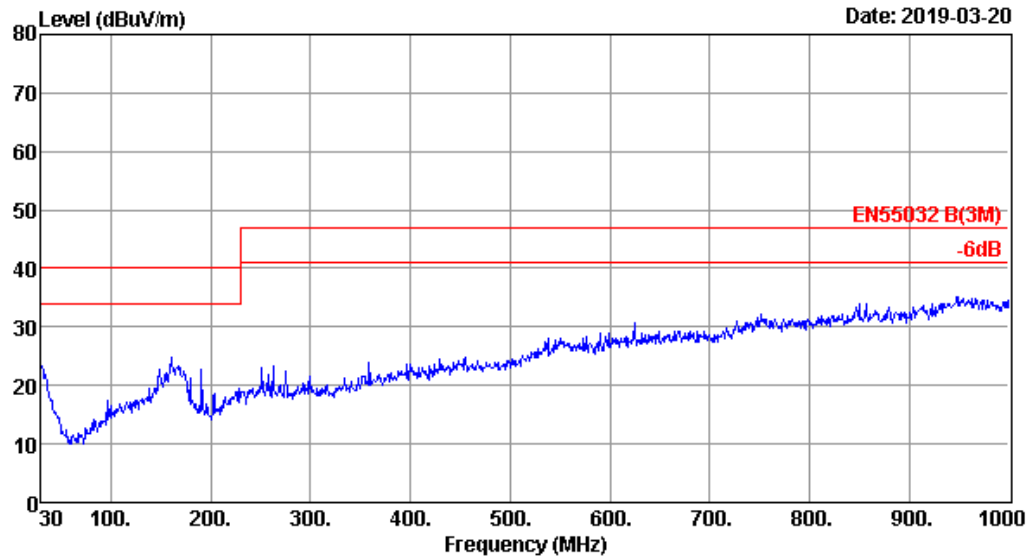


Site no. : 2# 966 chamber Data no. : 175
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Half Load(Output:6V/1.5A)

Data: 176

File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

Date: 2019-03-20

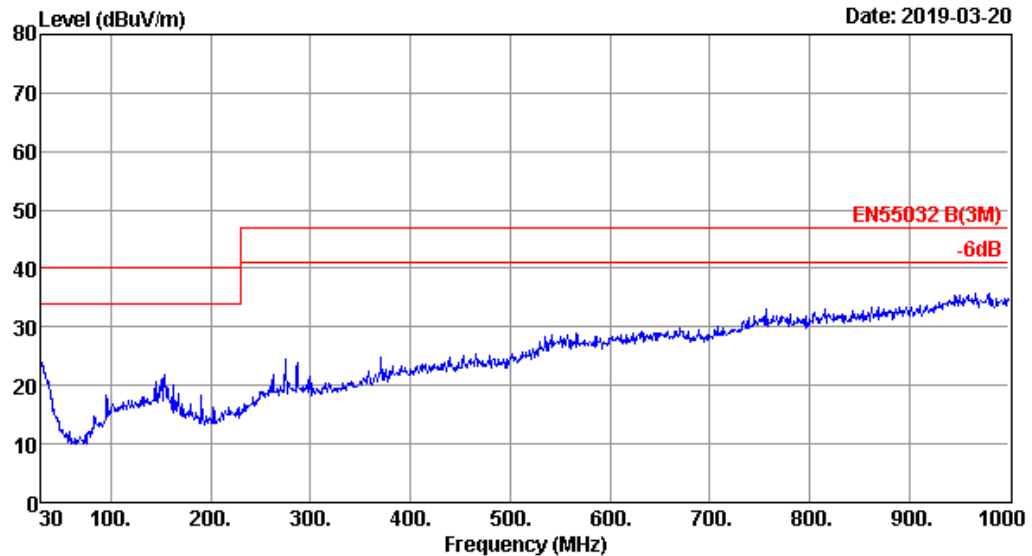


Site no. : 2# 966 chamber Data no. : 176
Dis. / Ant. : 3m 27090 Ant. pol. : HORIZONTAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : Half Load(Output:6V/1.5A)

Data: 177

File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

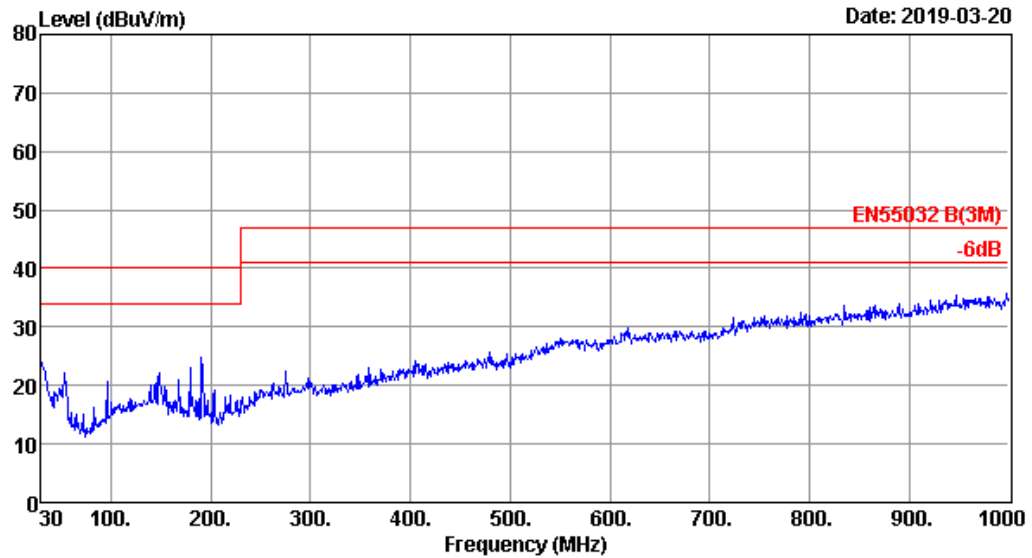
Date: 2019-03-20



Site no.	: 2# 966 chamber	Data no.	: 177
Dis. / Ant.	: 3m 27090	Ant. pol.	: HORIZONTAL
Limit	: EN55032 B(3M)		
Env. / Ins.	: Temp:23.6';Humi:56%;Press:101.52kPa		
Engineer	: Frank		
EUT	: Switching Adapter		
Power	: AC 110V/60Hz		
M/N	: GT-86182-1812-WF2x-USB		
Test Mode	: No Load		

Data: 178 File: \\EMC-966-2\\test data\\2019\\D\\DVE.EM6 (178)

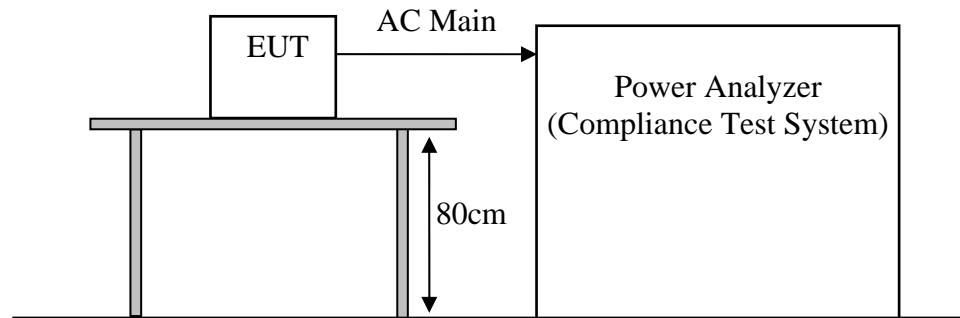
Date: 2019-03-20



Site no. : 2# 966 chamber Data no. : 178
Dis. / Ant. : 3m 27090 Ant. pol. : VERTICAL
Limit : EN55032 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Frank
EUT : Switching Adapter
Power : AC 110V/60Hz
M/N : GT-86182-1812-WF2x-USB
Test Mode : No Load

4.3. Harmonic Current Emissions on AC Mains Test

RESULT : N/A
Test procedure : EN 61000-3-2:2014
Measured harmonics : 1~40th
Limits : EN 61000-3-2:2014



There is no need for Harmonics test to be performed on this product (rated power is less than 75W) in accordance with EN 61000-3-2:2014.

For further details, please refer to Clause 7 of EN 61000-3-2:2014 which states:

“For the following categories of equipment, limits are not specified in this edition of the standard:

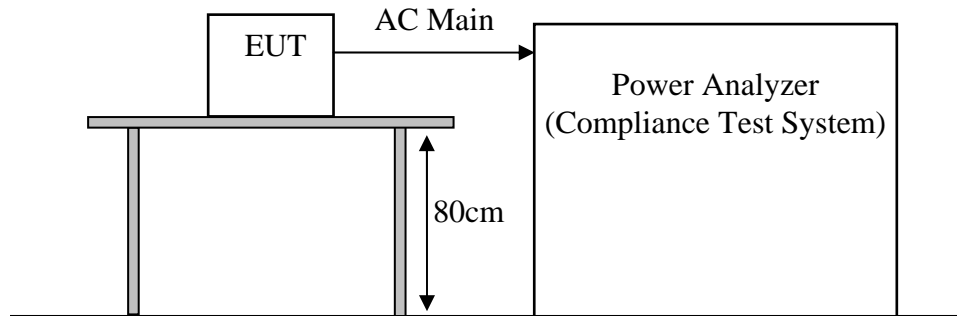
- equipment with a rated power of 75W or less, other than lighting equipment.”

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

Limits : EN 61000-3-3:2013



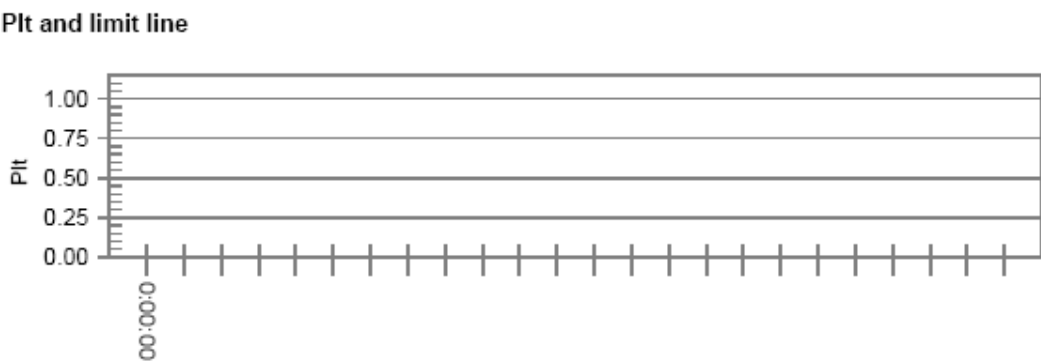
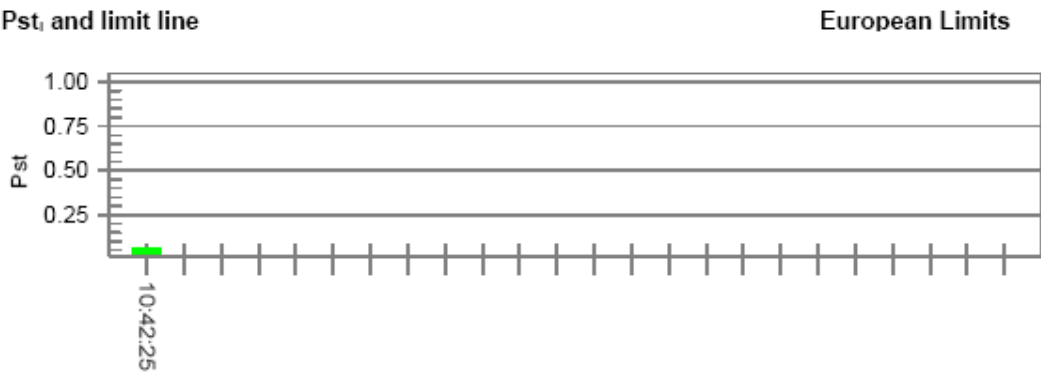
Test Data

EUT: Switching Adapter M/N:GT-86182-1812-WF2x-USB
Test category: All parameters (European limits)
Test date: 2016/11/30
Test duration (min): 10
Comment: Full Load
Customer: Di Wen

Tested by: Hale
Test Margin: 100
Start time: 10:32:04
End time: 10:42:32
Data file name: F-000048.cts_data

Test Result: Pass

Status: Test Completed



Parameter values recorded during the test:

Vrms at the end of test (Volt):	229.87		
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 (%):	0.00	Test limit (%):	4.00
Highest Pst (10 min. period):	0.064	Test limit:	1.000
Highest Plt (2 hr. period):	0.028	Test limit:	0.650

EUT: Switching Adapter M/N: GT-86182-1812-WF2x-USB

Test category: All parameters (European limits)

Test date: 2019/3/21

Test duration (min): 10

Comment: Full Load

Customer: DVE

Tested by: SHO

Test Margin: 100

End time: 15:50:37

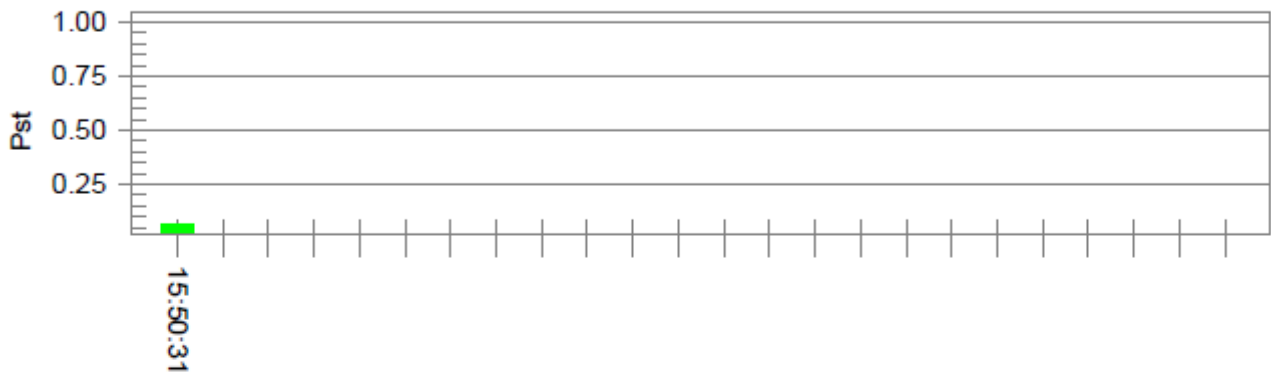
Data file name: F-000085.cts_data

Test Result: Pass

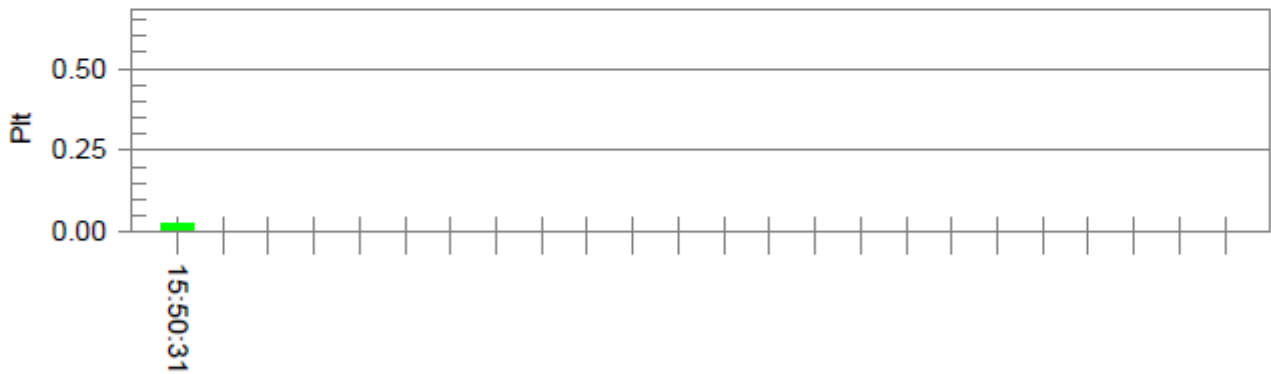
Status: Test Completed

Pst_i and limit line

European Limits



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt): 230.42

T-max (mS): 0

Highest dc (%): 0.00

Highest dmax (%): 0.00

Highest Pst (10 min. period): 0.064

Highest Plt (2 hr. period): 0.028

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

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

Test Setup

Date of test	: Nov. 12, 2018; Mar. 21, 2019
Model No.	: GT-86182-1812-WF2x-USB
Input Voltage	: AC 230V/50Hz
Operation Mode	: Full Load, Half Load
Temperature	: 24.8 °C
Humidity	: 56%
Pressure	: 101.50kPa

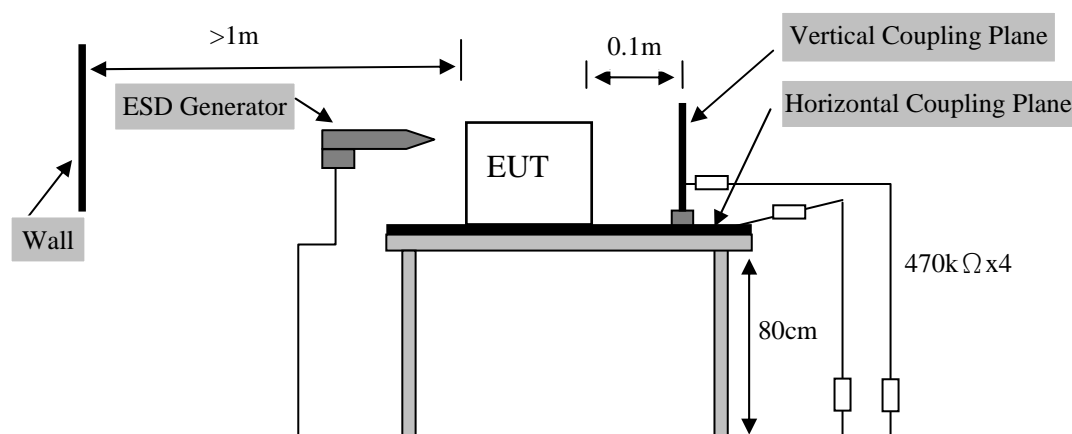


Table 1: Electrostatic Discharge Immunity Test Result

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
Basic standard : EN 61000-4-3:2006+A1:2008+A2:2010
Frequency Range : 80-1000MHz,1800MHz, 2600MHz, 3500MHz, 5000MHz

Performance criterion : A

Test Setup

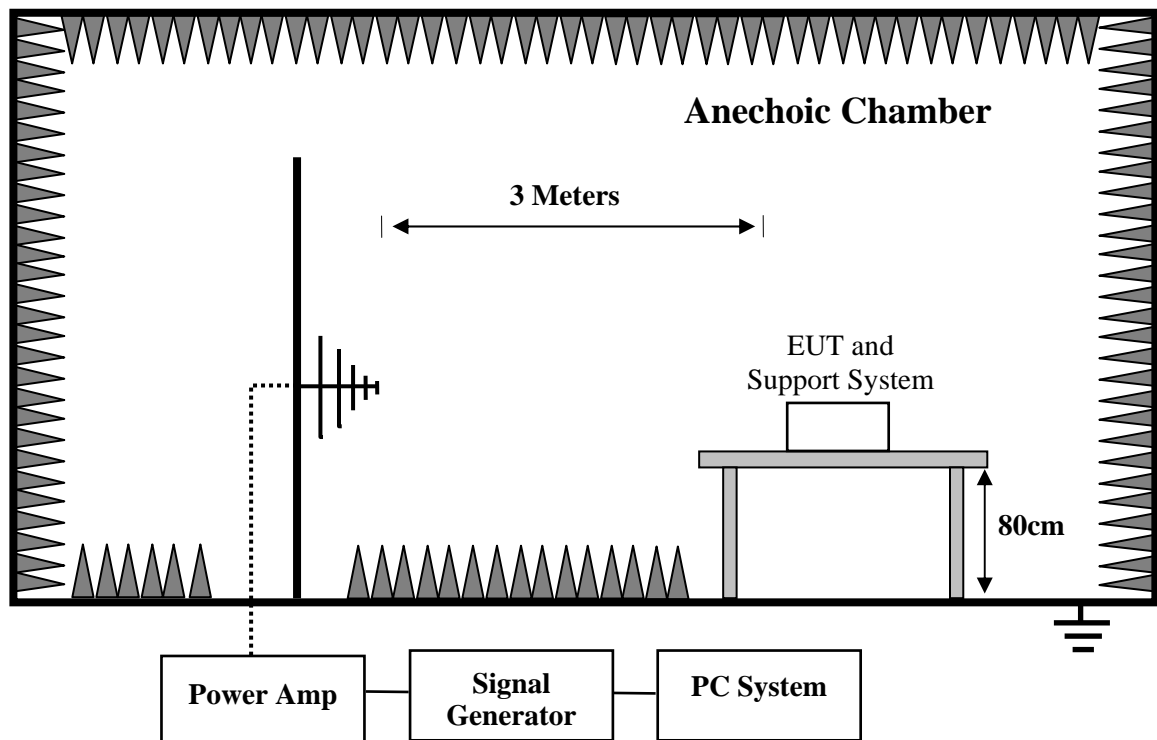
Date of test : Nov. 12, 2018; Mar. 21, 2019
Model No. : GT-86182-1812-WF2x-USB
Input Voltage : AC 230V/50Hz
Operation Mode : Full Load, Half Load
Temperature : 24.8 °C
Humidity : 56%
Pressure : 101.50kPa

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

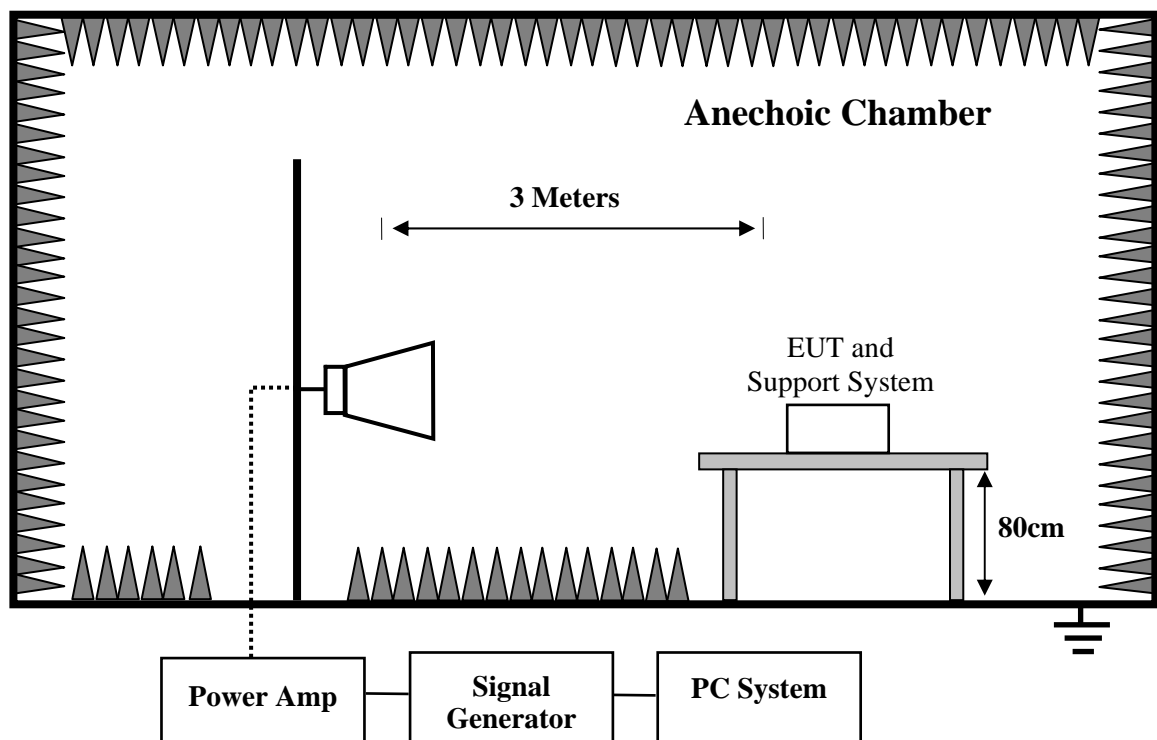


Table 2: Radio Frequency Electromagnetic Field Immunity Test Result

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

RESULT	: Pass
Test procedure	: EN 55035:2017
Basic standard	: EN 61000-4-4:2012
Pulse form	: Tr/Th = 5/50ns
Repetition Frequency	: 5 kHz ; (100 kHz : only for single lines of xDSL equipment)
Test Duration	: 120s
Performance criterion	: B

Test Setup

Date of test	: Nov. 12, 2018; Mar. 21, 2019
Model No.	: GT-86182-1812-WF2x-USB
Input Voltage	: AC 230V/50Hz, AC 110V/60Hz
Operation Mode	: Full Load, Half Load
Temperature	: 24.8 °C
Humidity	: 56%
Pressure	: 101.50kPa

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.

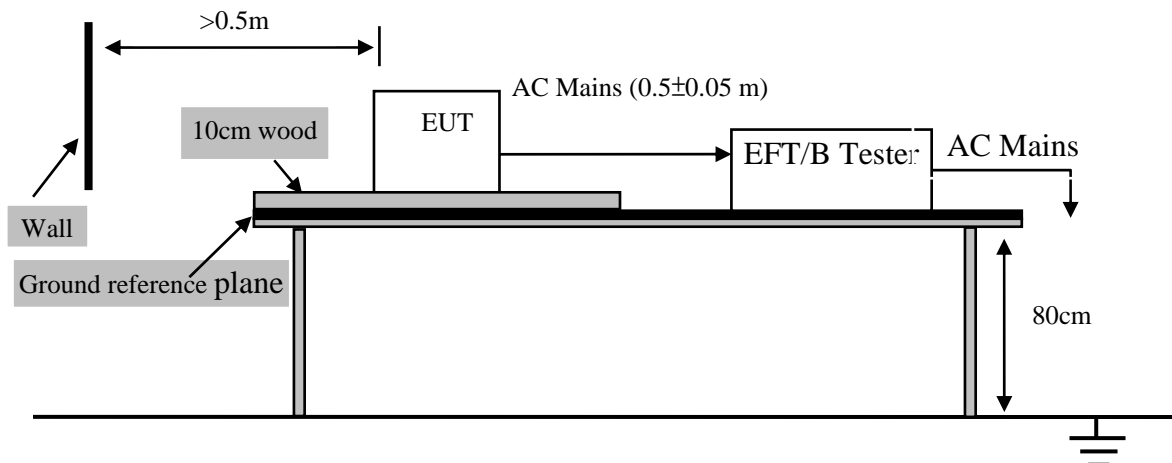


Table 3: Electrical Fast Transient/Burst Immunity Test Result

Coupling Ports		Coupling Voltage	Inject Method	Result
AC Power Ports	L	+/-1kV	Direct	Pass
	N	+/-1kV	Direct	Pass
	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
Basic standard : EN 61000-4-5:2014
Pulseform : $Tr/Td = 1.2/50\mu s$
Test Duration : 60s
Performance criterion : B

Test Setup

Date of test : Nov. 12, 2018; Mar. 21, 2019
Model No. : GT-86182-1812-WF2x-USB
Input Voltage : AC 230V/50Hz, AC 110V/60Hz
Operation Mode : Full Load, Half Load
Temperature : 24.8 °C
Humidity : 56%
Pressure : 101.50kPa

2 Ω effective output impedance of the generator was used for L-N test. 12 Ω 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.

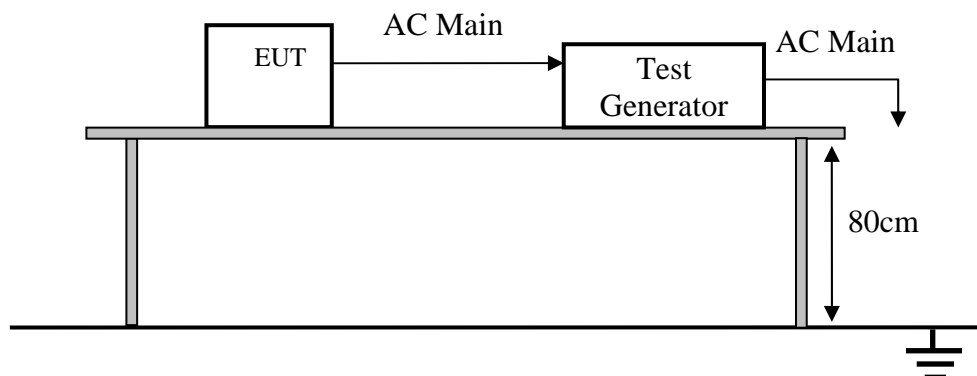


Table 4: Surge Immunity Test Result

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

RESULT	: Pass
Test procedure	: EN 55035:2017
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	: Nov. 12, 2018; Mar. 21, 2019
Model No.	: GT-86182-1812-WF2x-USB
Input Voltage	: AC 230V/50Hz, AC 110V/60Hz
Operation Mode	: Full Load, Half Load
Temperature	: 24.8°C
Humidity	: 56%
Pressure	: 101.50kPa

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.

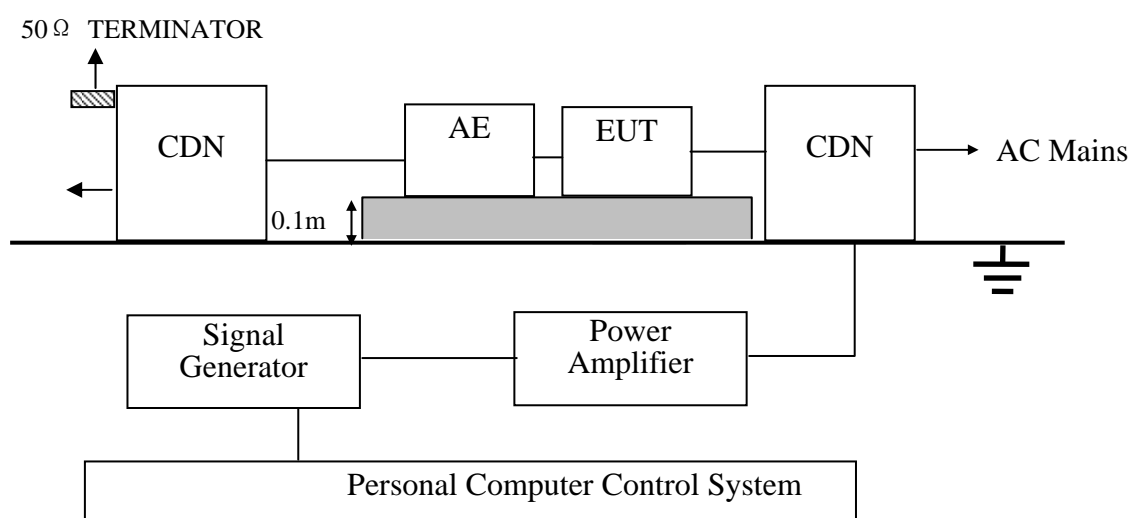


Table 5: Injected Currents Susceptibility Test Result

Coupling ports	Voltage (r.m.s)	Modulation	Freq. step	Dwell time	Coupling method	Result
AC power ports	3V	1kHz AM 80%	1%	1.5s	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
Basic standard : EN 61000-4-8:2010
Test specification : 1 A/m
Performance criterion : A

Test Setup

Date of test : Nov. 12, 2018; Mar. 21, 2019
Model No. : GT-86182-1812-WF2x-USB
Input Voltage : AC 230V/50Hz
Operation Mode : Full Load, Half Load
Temperature : 24.8°C
Humidity : 56%
Pressure : 101.50kPa

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.

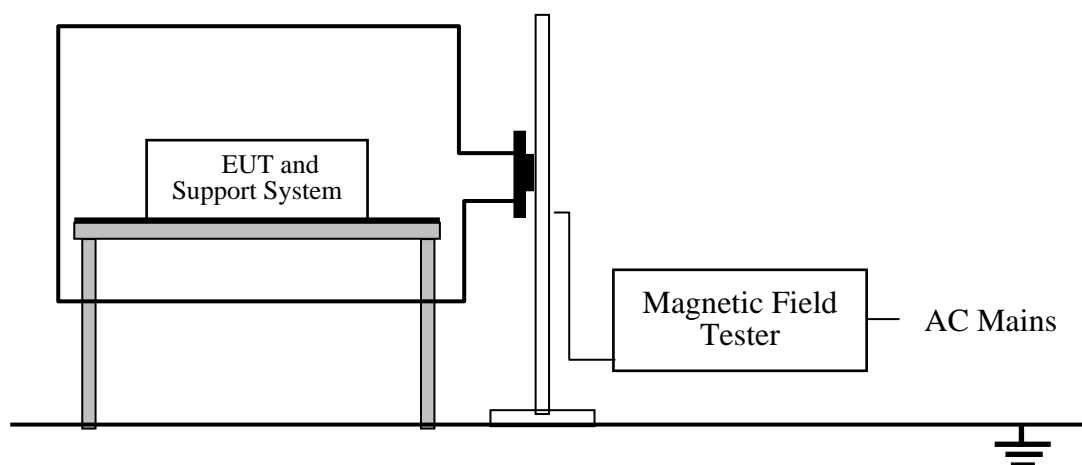


Table 6: Power Frequency Magnetic Field Immunity Test Result

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

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 : Nov. 12, 2018; Mar. 21, 2019

Model No. : GT-86182-1812-WF2x-USB

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

Operation Mode : Full Load, Half Load

Temperature : 24.8°C

Humidity : 56%

Pressure : 101.50kPa

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

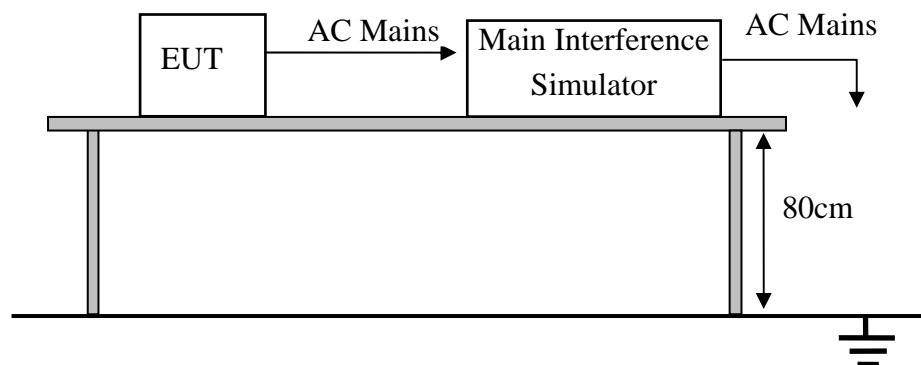


Table 7: Voltage Dips and Short Interruptions Immunity Test Result AC 230V/50Hz

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.

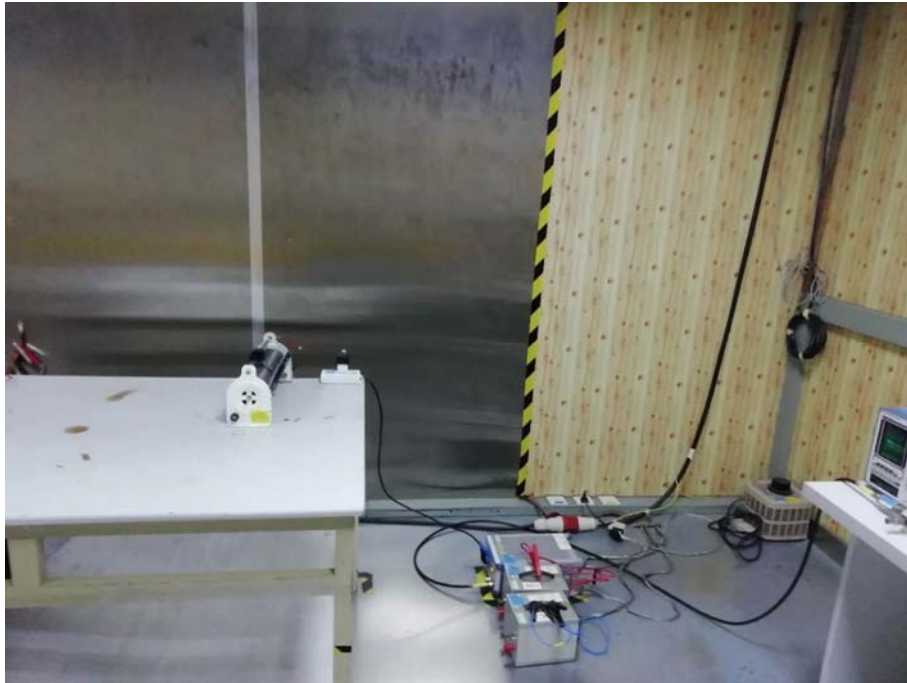
Table 7: Voltage Dips and Short Interruptions Immunity Test Result AC 110V/60Hz

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

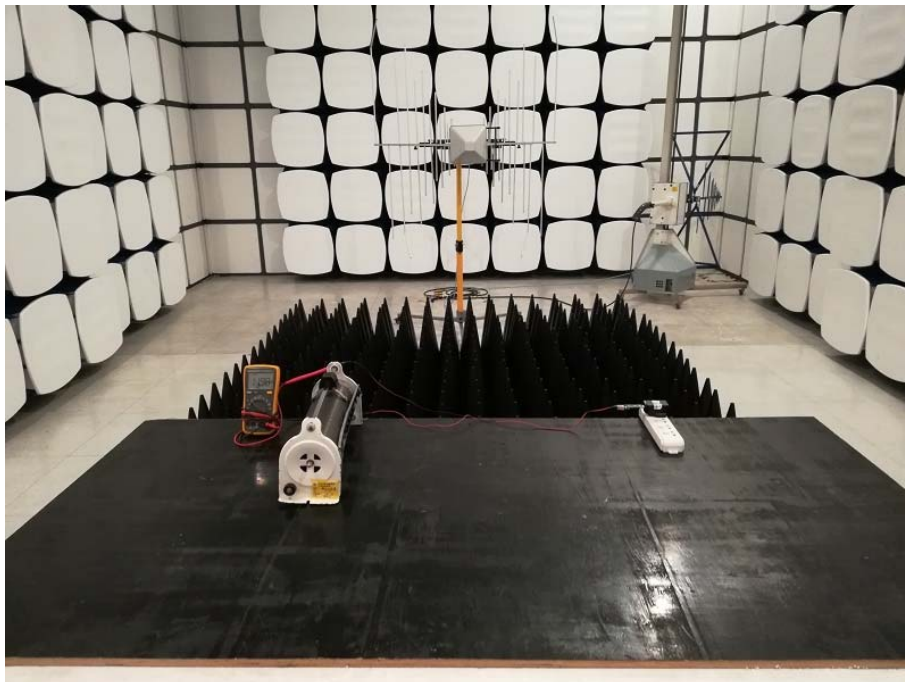
6.1.Set-up for Conducted Emission at the Mains Terminals Test



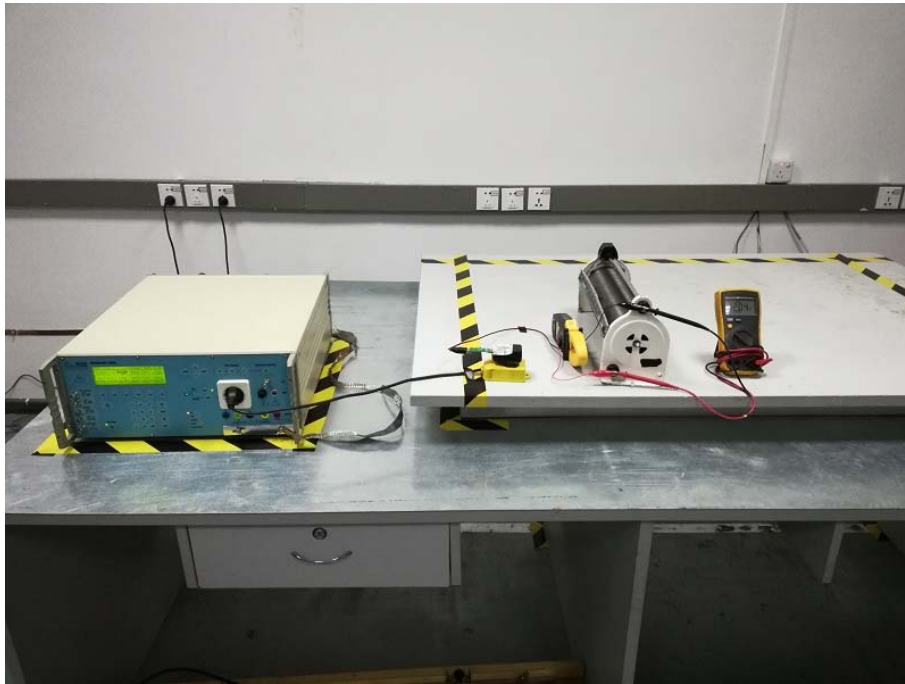
6.4.Set-up for Electrostatic Discharge Immunity Test



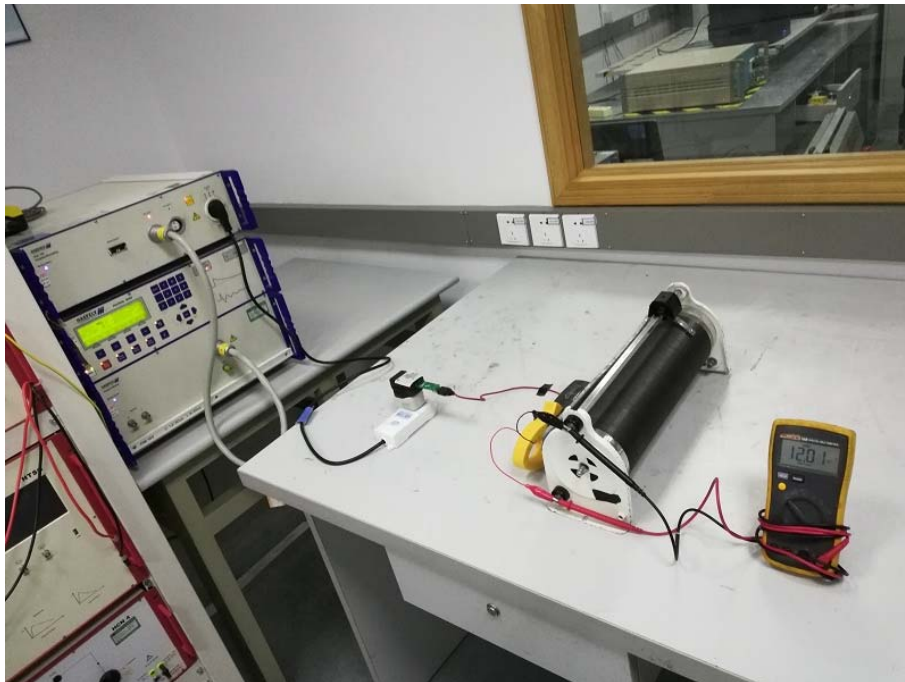
6.5.Set-up for Radio Frequency Electromagnetic Field Immunity Test



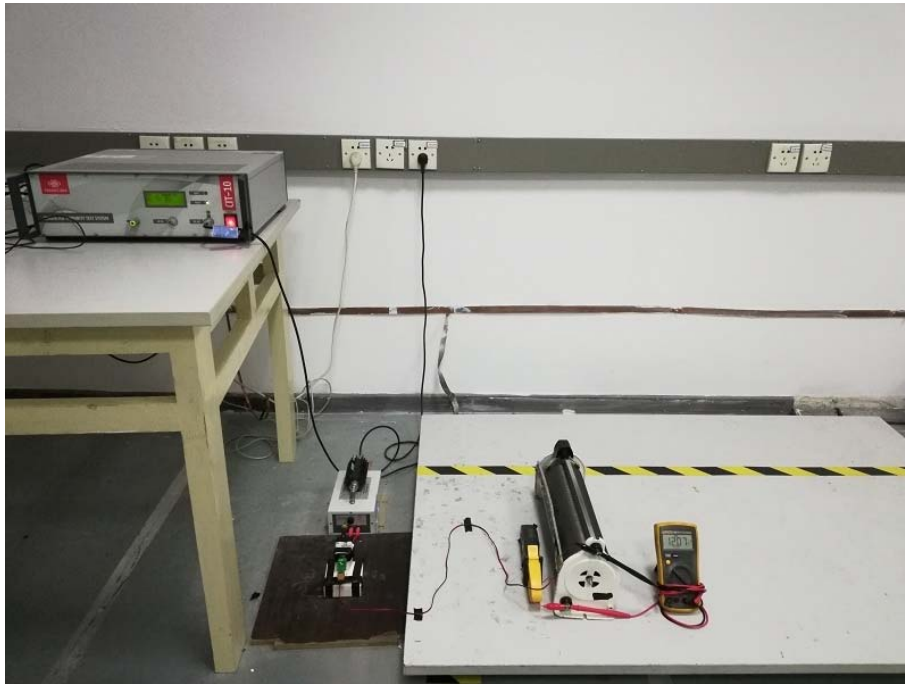
6.6.Set-up for Electrical Fast Transient/Burst Immunity Test



6.7.Set-up for Surge Immunity Test



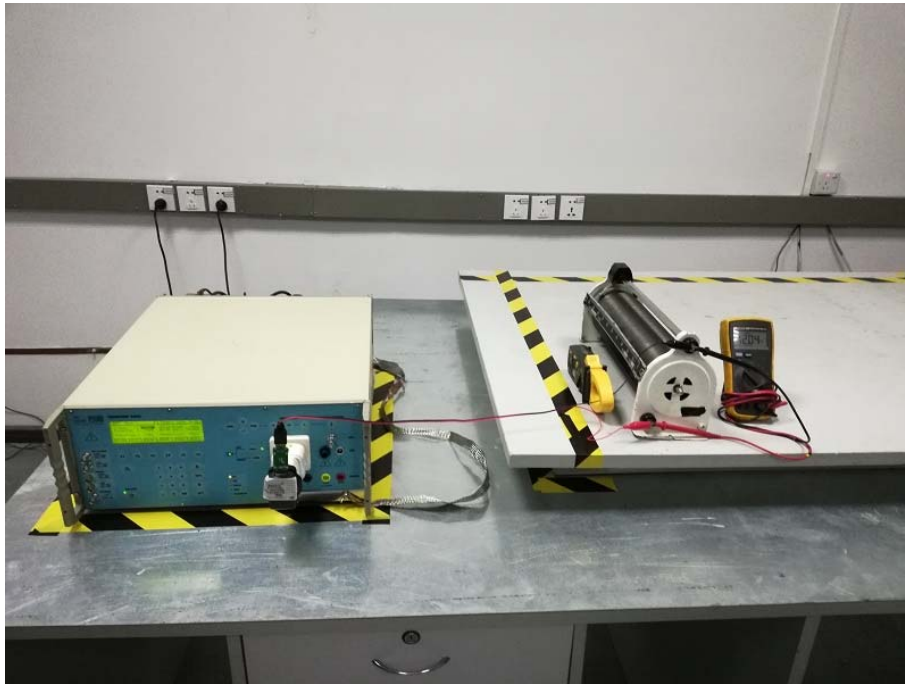
6.8.Set-up for Injected Currents Susceptibility Test



6.9.Set-up for Power Frequency Magnetic Field Immunity Test



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



7. PHOTOGRAPHS OF THE EUT

Figure 1
General Appearance of the EUT

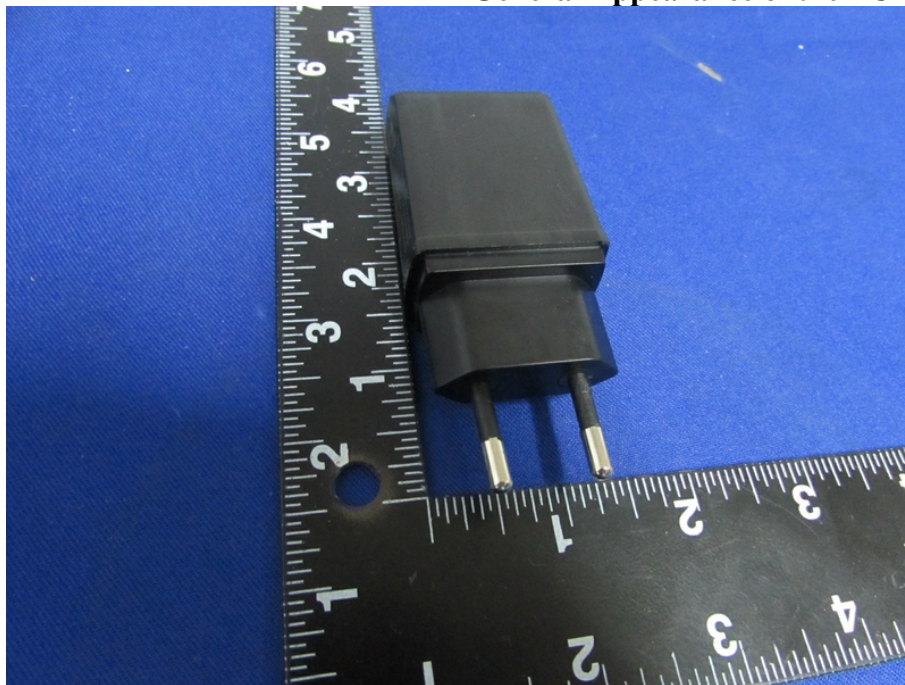


Figure 2
General Appearance of the EUT



Figure 3
General Appearance of the EUT



Figure 4
General Appearance of the EUT



Figure 5
General Appearance of the EUT



Figure 6
General Appearance of the EUT

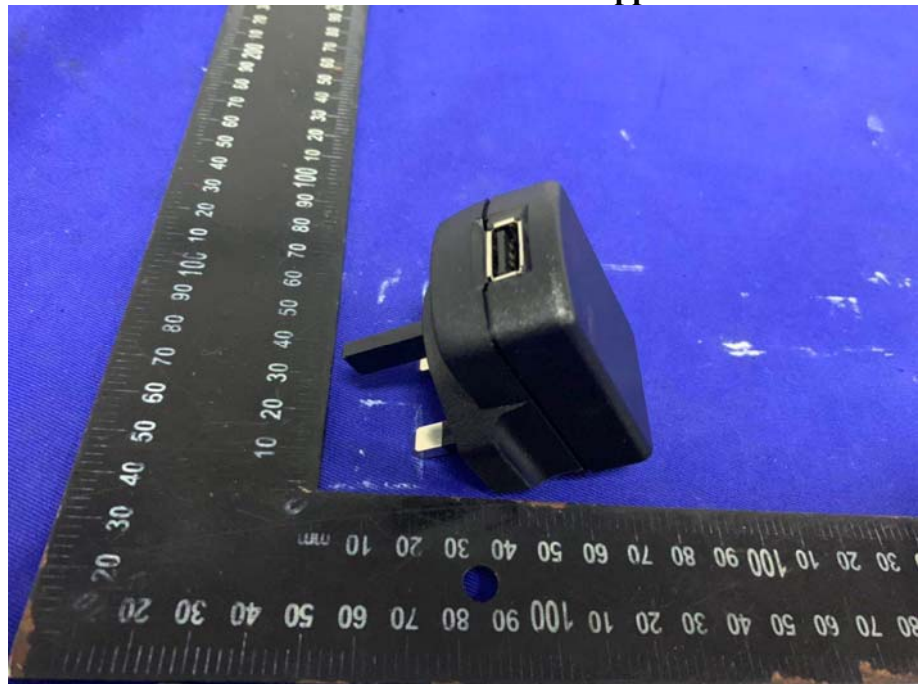


Figure 7
General Appearance of the EUT

