

TEST REPORT

Applicant:	Xiamen Innov Electronics Tech Co., Ltd.		
Address:	1F/3F-5F, BLDG 5 NO.943, Tonglong 2nd Rd,Torch Hi-tech Industrial Zone(Xiang'an), Xiamen, China		
Manufacturer:	Xiamen Innov Electronics Tech Co., Ltd.		
Address:	1F/3F-5F, BLDG 5 NO.943, Tonglong 2nd Rd,Torch Hi-tech Industrial Zone(Xiang'an), Xiamen, China		
Factory:	Xiamen Innov Electronics Tech Co., Ltd.		
Address:	1F/3F-5F, BLDG 5 NO.943, Tonglong 2nd Rd,Torch Hi-tech Industrial Zone(Xiang'an), Xiamen, China		
E.U.T.:	Class 2 Power Supply		
Model Number:	IVPxxxx-yyyy, IVPxxxx-yyyyW (xxxx and yyyy are variables, Refer to section 1.2 for details)		
Trade Name:			
Date of Receipt:	Jul. 30, 2022	Date of Test:	Jul. 30 - Aug. 4, 2022
Test Specification:	47 CFR FCC Part 15, Subpart B, Class B 2020; ANSI C63.4a: 2017		
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied.		
Prepared by:		Approved & Authorized Signer:	
 Jerry Hu/Engineer		  Frank Shen/Manager	
Issue Date: September 19, 2022			
This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Dongguan Lepont Service Co., Ltd.			

TABLE OF CONTENTS

1. GENERAL PRODUCT INFORMATION	4
1.1. PRODUCT FUNCTION	4
1.2. DIFFERENCE BETWEEN MODEL NUMBERS	4
1.3. TEST DESCRIPTION OF DEVICE (EUT)	5
1.4. INDEPENDENT OPERATION MODES	5
2. TEST STANDARDS AND SITES	6
2.1. DESCRIPTION OF STANDARDS AND RESULTS	6
2.2. LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3. MEASUREMENT UNCERTAINTY	7
2.4. TEST FACILITY	7
3. TEST SET-UP AND OPERATION MODES	8
3.1. PRINCIPLE OF CONFIGURATION SELECTION	8
3.2. BLOCK DIAGRAM OF TEST SET-UP	8
3.3. SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	8
3.4. COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	8
4. EMISSION TEST RESULTS	9
4.1. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST	9
4.2. RADIATED EMISSION TEST	19
5. TEST PHOTOGRAPHS	29
6. PHOTOGRAPHS OF THE EUT	30

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1. GENERAL PRODUCT INFORMATION

1.1. PRODUCT FUNCTION

Refer to Technical Construction Form and User Manual.

1.2. DIFFERENCE BETWEEN MODEL NUMBERS

Table A: Definition of variables:

Variables	Range of variables	Content
xxxx	0300-3000	Four numbers representing the output voltage in a step of 0.01V.0300-3000 representing output voltage from 3.0Vdc to 30.0Vdc.
yyyy	0100-2000	Four number representing the output current in a step of 0.01A.0100-2000 representing output current from 0.1A to 2.0A in Ampere.

Table B: Model list:

Model	Input	Output			PCB layout	Case type	Transformer type
		Voltage (Vdc)	Current (A)	Wattage (Max. W)			
IVPxxxx-yyyyW	100-240V~, 50/60Hz, 0.5A	3.0-11.9	0.10-2.00	12.6	PCB-T594-K	A	0201-0639
		12.0-30.0	0.10-1.05	12.6			0201-0640
		3.0-11.9	0.10-2.00	12.6	PCB-T984	B	0201-0639
		12.0-30.0	0.10-1.05	12.6			0201-0640
		3.0-11.9	0.10-2.00	12.6	PCB-T985	C	0201-0639
		12.0-30.0	0.10-1.05	12.6			0201-0640
IVPxxxx-yyyy		3.0-11.9	0.10-2.00	12.6	PCB-T484-K	D	0201-0639
		12.0-30.0	0.10-1.05	12.6			0201-0640

Differences:

1. All models are similar except for the case type, PCB layout, transformer type, secondary circuit schematic and rating of some components (EC4, EC5, R3, R4, R5, R6) in circuit to adjust output current.
2. components inductance LF1 is optional.
3. component U1 and D7A can be replaced

Notes:According to the above information, full tests were performed on model:

IVP0630-2000, IVP0630-2000W, IVP3000-0420, IVP3000-0420W

1.3. TEST DESCRIPTION OF DEVICE (EUT)

Test Model : IVP0630-2000, IVP0630-2000W, IVP3000-0420,
IVP3000-0420W
Rated Input : 100-240V~, 50/60Hz, 0.5A
Rated Output : 6.3V=2.0A, 30.0V=0.42A
DC Line : Unshielded, Undetachable, Shorter than 3m
Protection class : Class II
Operation Frequency : Below 108MHz (Declaration by applicant)

1.4. INDEPENDENT OPERATION MODES

Test Voltage: AC 120V/60 Hz

Test Mode :A Full Load

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

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			
Standard	Test Type	Result	Remarks
47 CFR FCC Part 15, Subpart B, Class B 2020; ANSI C63.4a: 2017	Mains Terminal Disturbance Voltage Test	PASS	Meets the requirements.
	Radiated Emission Test	PASS	Meets the requirements.

2.2. LIST OF TEST AND MEASUREMENT INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
For conducted emission at the mains terminals test					
EMI Test Receiver	Rohde & Schwarz	ESCS30	1002.4500	Feb. 22, 2022	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	100873	Feb. 22, 2022	1 Year
RF Switching Unit	CD	RSU-M2	8830008	Feb. 22, 2022	1 Year
For radiated (Below 1G) emission test					
EMI Test Receiver	Rohde & Schwarz	ESR	101849	Feb. 22, 2022	1 Year
Bilog Antenna	Schwarzbeck	VULB 9163	743	Jan. 18, 2020	3 Year
Signal Amplifier	HP	8447D	1726A01222	Feb. 22, 2022	1 Year
966 Chamber 1	MR	MR-L02	LEP-E051	Nov. 26, 2019	3 Year

2.3. MEASUREMENT UNCERTAINTY

Parameter		UNCERTAINTY
Conducted Emission	Level accuracy (150kHz to 30MHz)	± 2.54 dB
Radiated Emission	Level accuracy (30MHz to 1000MHz, V)	± 4.14 dB
	(30MHz to 1000MHz, H)	± 4.25 dB
Radiated Emission	Level accuracy (above 1000MHz, Horizontal)	± 3.92 dB
	(above 1000MHz, Vertical)	± 3.96 dB

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

As U_{lab} in all applicable tests listed above are less than U_{cispr} according to CISPR 16-4-2:2003,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

2.4. TEST FACILITY

EMC Lab. : The Laboratory has been assessed and proved to be in compliance with CNAS/CL01
The Certificate Registration Number is L10100.

Test Location (Others) : Dongguan Lepont Testing Service Co., Ltd.

Address : Room 102, Building 11, No.7, Houjie Science And Technology Avenue, Houjie, Dongguan, Guangdong, China

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



3.3. SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT

None.

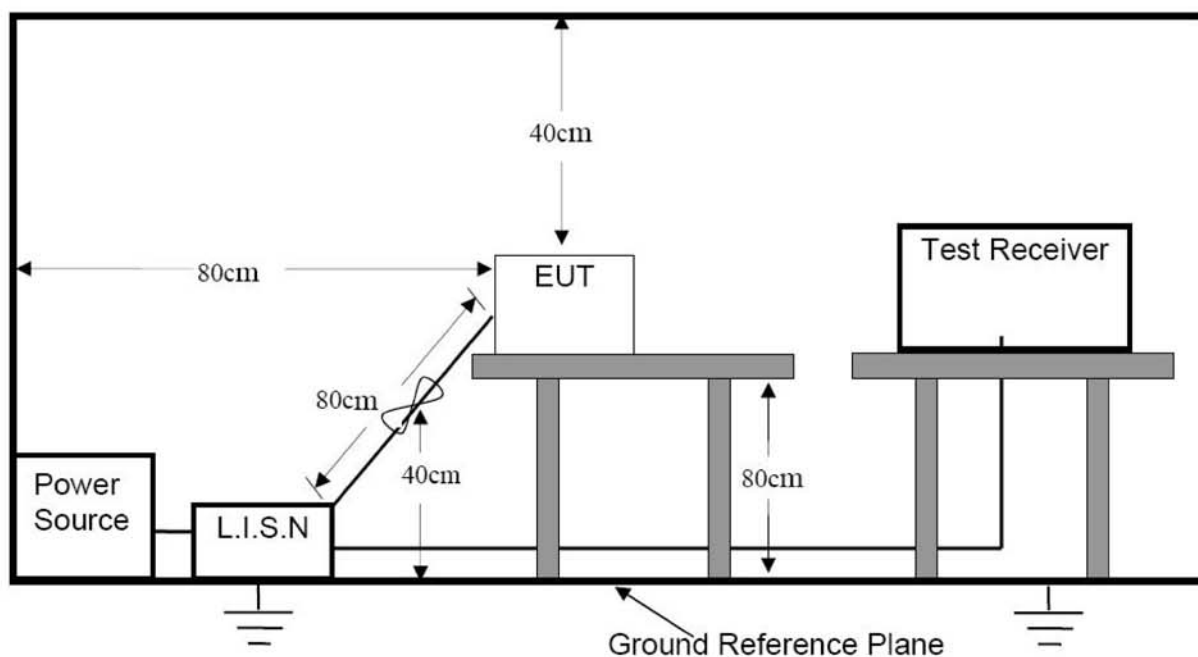
3.4. COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE

None.

4. EMISSION TEST RESULTS

4.1. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

4.1.1. Block Diagram of Test Setup



4.1.2. Limit

Limits for conducted disturbance at the mains ports of class B.

Frequency range	Limits (dB(μV))	
(MHz)	Quasi-peak	Average
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

- Note:
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

4.1.3. Test Procedure

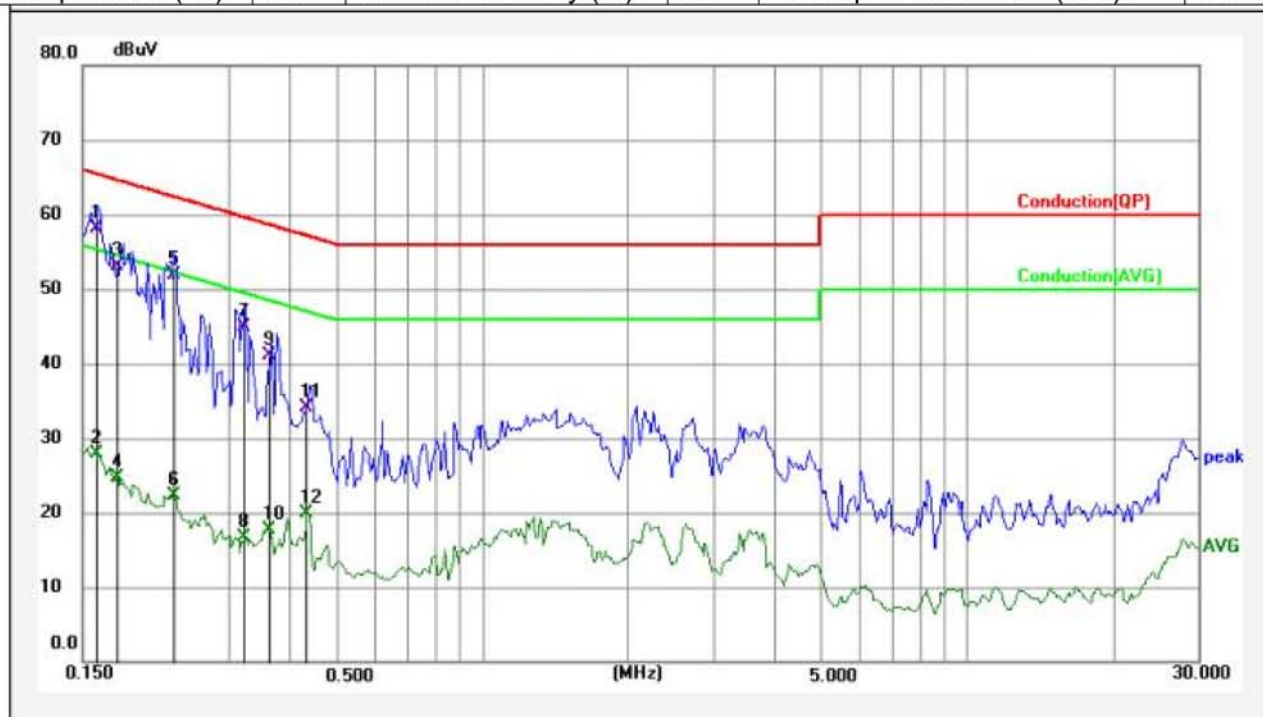
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The test results of conducted emissions at mains ports are recorded of six worst margins for quasi-peak(mandatory) [and average (if necessary)] values against the limits at frequencies of interest unless the margin is 20 dB or greater.
Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.1.4. Test Results

PASS.

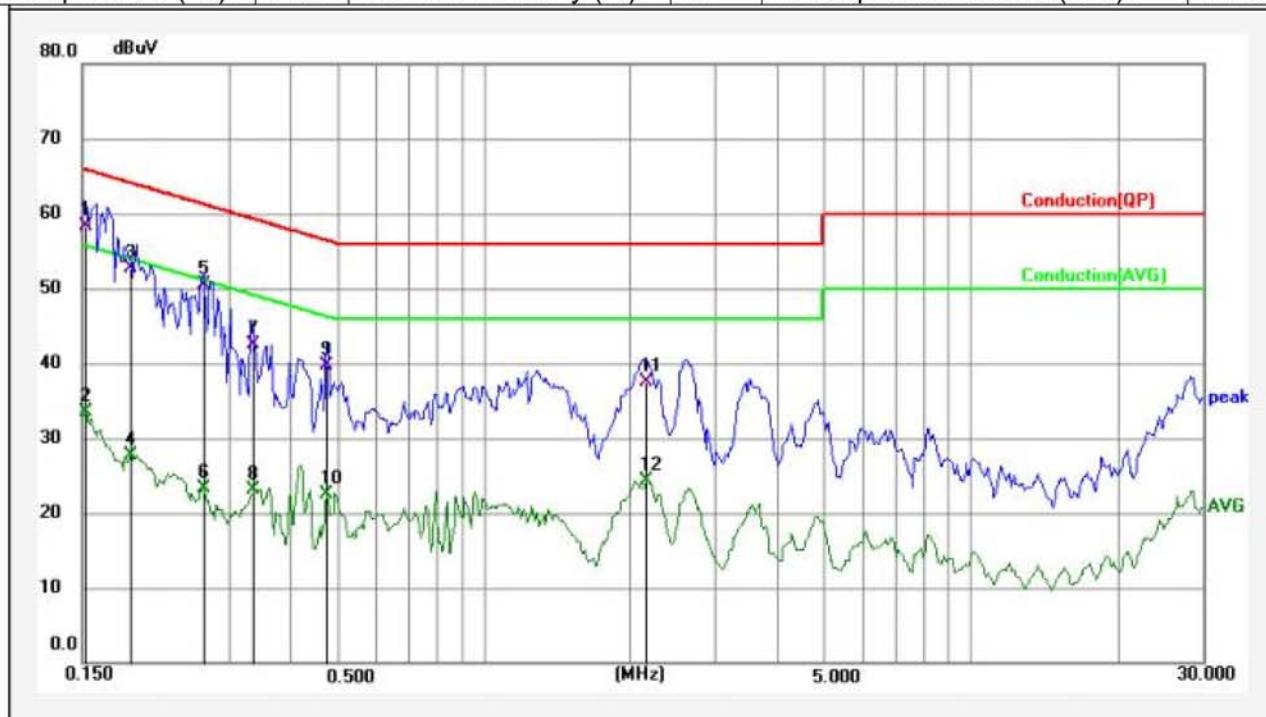
Please refer to the following pages of the worst case:

M/N		:	IVP0630-2000			
Test Mode		:	A			
Test Phase		:	Power Line; Live			
Test Voltage		:	AC 120V/60Hz			
Temperature (°C):	24.5	Relative Humidity (%):	54	Atmospheric Pressure(kPa) :	101.5	



Note: Level=Reading+Factor.
Margin=Level-Limit.

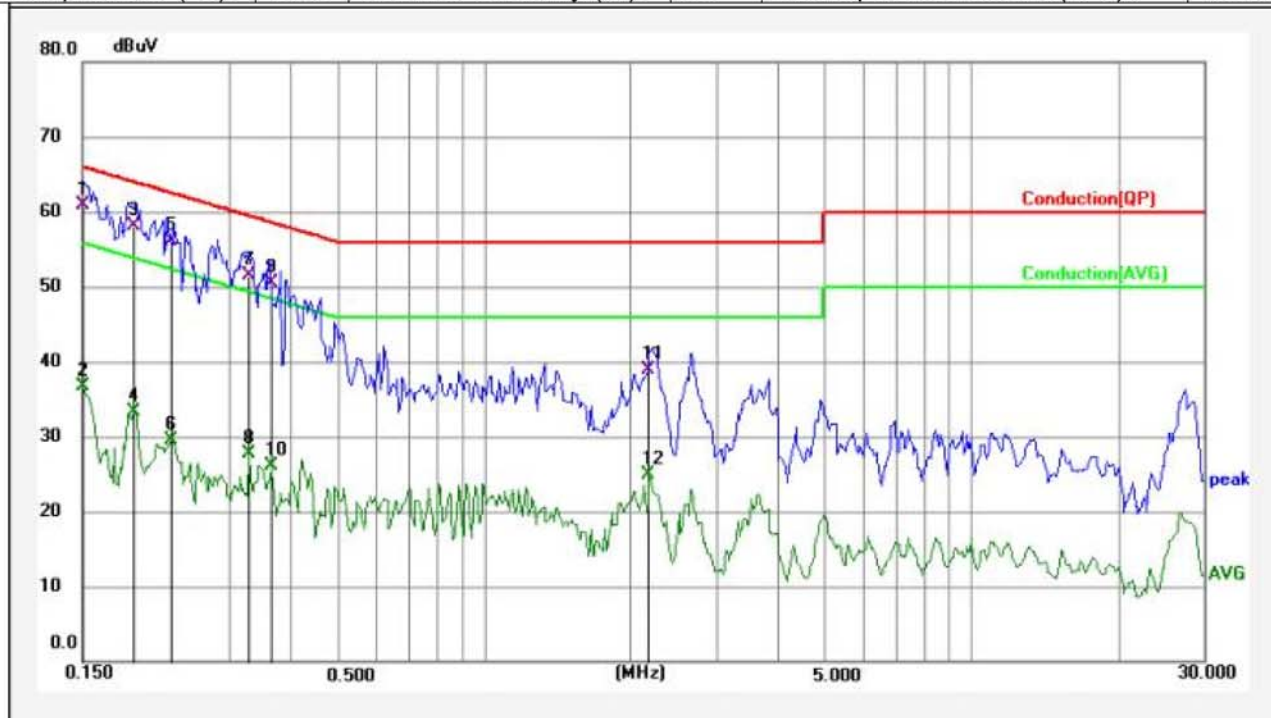
M/N		:	IVP0630-2000			
Test Mode		:	A			
Test Phase		:	Power Line; Neutral			
Test Voltage		:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3	



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1524	10.69	47.71	58.40	65.87	-7.47	QP	*	
2	0.1524	10.69	22.75	33.44	55.87	-22.43	AVG		
3	0.1889	10.70	42.10	52.80	64.08	-11.28	QP		
4	0.1889	10.70	16.97	27.67	54.08	-26.41	AVG		
5	0.2661	10.73	39.77	50.50	61.24	-10.74	QP		
6	0.2661	10.73	12.55	23.28	51.24	-27.96	AVG		
7	0.3381	10.75	31.85	42.60	59.25	-16.65	QP		
8	0.3381	10.75	12.41	23.16	49.25	-26.09	AVG		
9	0.4762	10.80	28.90	39.70	56.41	-16.71	QP		
10	0.4762	10.80	11.71	22.51	46.41	-23.90	AVG		
11	2.1643	11.06	26.44	37.50	56.00	-18.50	QP		
12	2.1643	11.06	13.25	24.31	46.00	-21.69	AVG		

Note: Level=Reading+Factor.
 Margin=Level-Limit.

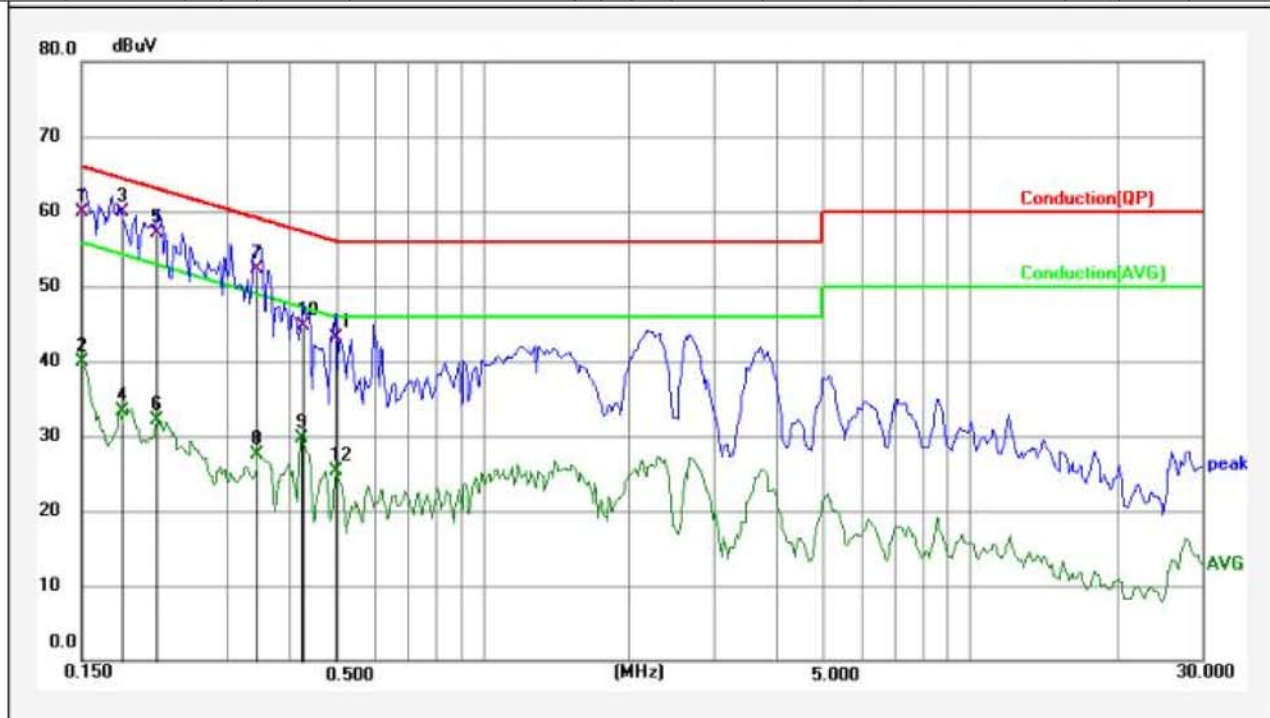
M/N	:	IVP0630-2000W			
Test Mode	:	A			
Test Phase	:	Power Line; Live			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1500	10.78	50.22	61.00	66.00	-5.00	QP	*	
2	0.1500	10.78	25.98	36.76	56.00	-19.24	AVG		
3	0.1920	10.79	47.41	58.20	63.95	-5.75	QP		
4	0.1920	10.79	22.47	33.26	53.95	-20.69	AVG		
5	0.2288	10.80	45.40	56.20	62.49	-6.29	QP		
6	0.2288	10.80	18.76	29.56	52.49	-22.93	AVG		
7	0.3301	10.82	40.68	51.50	59.45	-7.95	QP		
8	0.3301	10.82	16.84	27.66	49.45	-21.79	AVG		
9	0.3659	10.83	39.77	50.60	58.59	-7.99	QP		
10	0.3659	10.83	15.26	26.09	48.59	-22.50	AVG		
11	2.1817	11.06	27.94	39.00	56.00	-17.00	QP		
12	2.1817	11.06	13.89	24.95	46.00	-21.05	AVG		

Note: Level=Reading+Factor.
 Margin=Level-Limit.

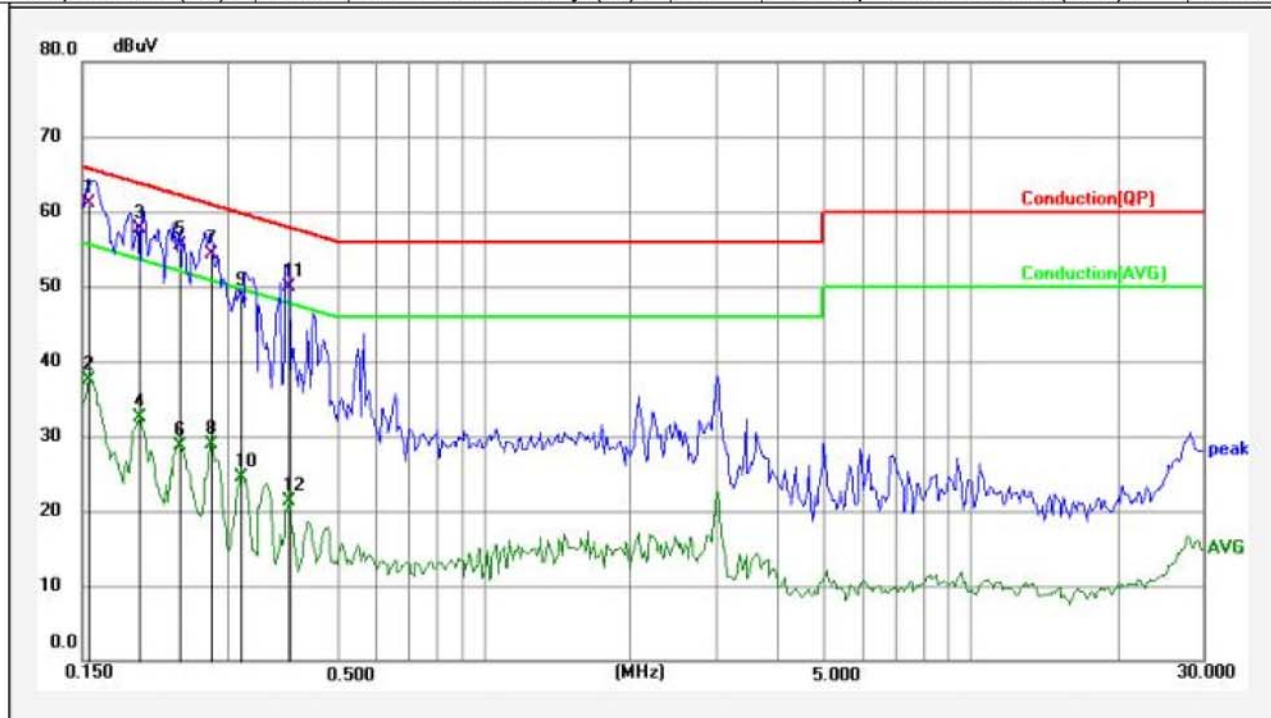
M/N	:	IVP0630-2000W			
Test Mode	:	A			
Test Phase	:	Power Line; Neutral			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1500	10.69	49.31	60.00	66.00	-6.00	QP		
2	0.1500	10.69	29.12	39.81	56.00	-16.19	AVG		
3	0.1829	10.70	49.30	60.00	64.35	-4.35	QP	*	
4	0.1829	10.70	22.65	33.35	54.35	-21.00	AVG		
5	0.2146	10.71	46.39	57.10	63.03	-5.93	QP		
6	0.2146	10.71	21.48	32.19	53.03	-20.84	AVG		
7	0.3462	10.75	41.55	52.30	59.05	-6.75	QP		
8	0.3462	10.75	16.78	27.53	49.05	-21.52	AVG		
9	0.4224	10.78	19.02	29.80	47.40	-17.60	AVG		
10	0.4294	10.78	33.92	44.70	57.26	-12.56	QP		
11	0.4994	10.80	32.40	43.20	56.01	-12.81	QP		
12	0.4994	10.80	14.60	25.40	46.01	-20.61	AVG		

Note: Level=Reading+Factor.
Margin=Level-Limit.

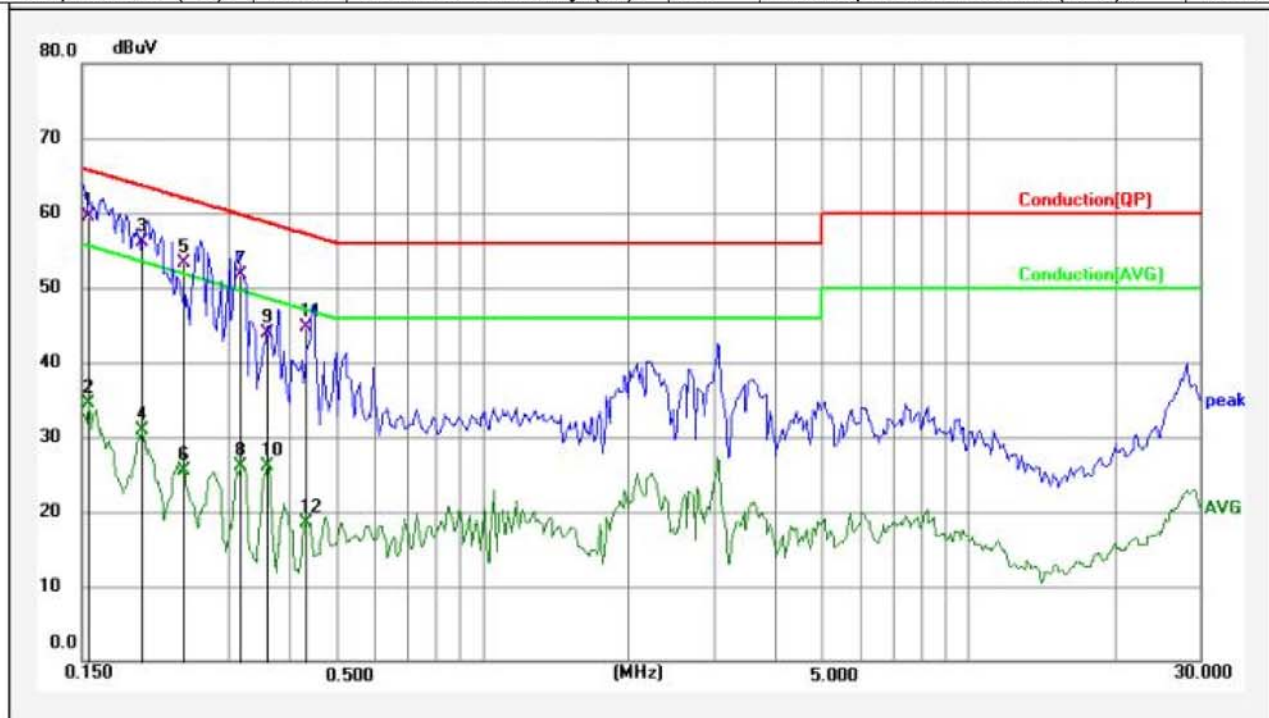
M/N		:	IVP3000-0420			
Test Mode		:	A			
Test Phase		:	Power Line; Live			
Test Voltage		:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3	



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1547	10.78	50.42	61.20	65.74	-4.54	QP	*	
2	0.1547	10.78	26.82	37.60	55.74	-18.14	AVG		
3	0.1965	10.79	46.91	57.70	63.76	-6.06	QP		
4	0.1965	10.79	21.80	32.59	53.76	-21.17	AVG		
5	0.2381	10.81	44.69	55.50	62.16	-6.66	QP		
6	0.2381	10.81	17.93	28.74	52.16	-23.42	AVG		
7	0.2747	10.81	43.59	54.40	60.97	-6.57	QP		
8	0.2747	10.81	18.09	28.90	50.97	-22.07	AVG		
9	0.3171	10.82	37.98	48.80	59.78	-10.98	QP		
10	0.3171	10.82	13.66	24.48	49.78	-25.30	AVG		
11	0.3996	10.84	39.16	50.00	57.86	-7.86	QP		
12	0.3996	10.84	10.37	21.21	47.86	-26.65	AVG		

Note: Level=Reading+Factor.
Margin=Level-Limit.

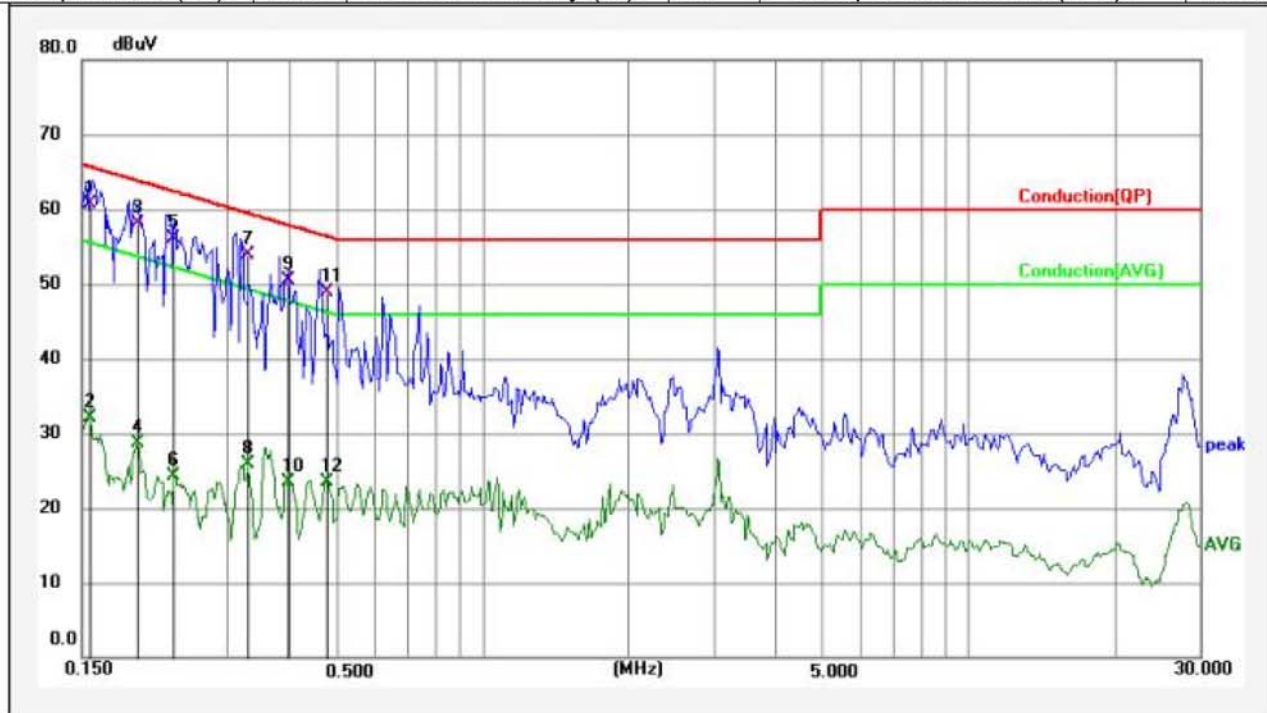
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Test Mode		:	A			
Test Phase		:	Power Line; Neutral			
Test Voltage		:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3	



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1547	10.69	48.91	59.60	65.74	-6.14	QP	*	
2	0.1547	10.69	23.75	34.44	55.74	-21.30	AVG		
3	0.1998	10.71	45.39	56.10	63.62	-7.52	QP		
4	0.1998	10.71	20.18	30.89	53.62	-22.73	AVG		
5	0.2436	10.73	42.57	53.30	61.97	-8.67	QP		
6	0.2436	10.73	14.76	25.49	51.97	-26.48	AVG		
7	0.3195	10.75	41.05	51.80	59.72	-7.92	QP		
8	0.3195	10.75	15.35	26.10	49.72	-23.62	AVG		
9	0.3632	10.76	33.24	44.00	58.65	-14.65	QP		
10	0.3632	10.76	15.41	26.17	48.65	-22.48	AVG		
11	0.4328	10.79	33.91	44.70	57.20	-12.50	QP		
12	0.4328	10.79	7.76	18.55	47.20	-28.65	AVG		

Note: Level=Reading+Factor.
 Margin=Level-Limit.

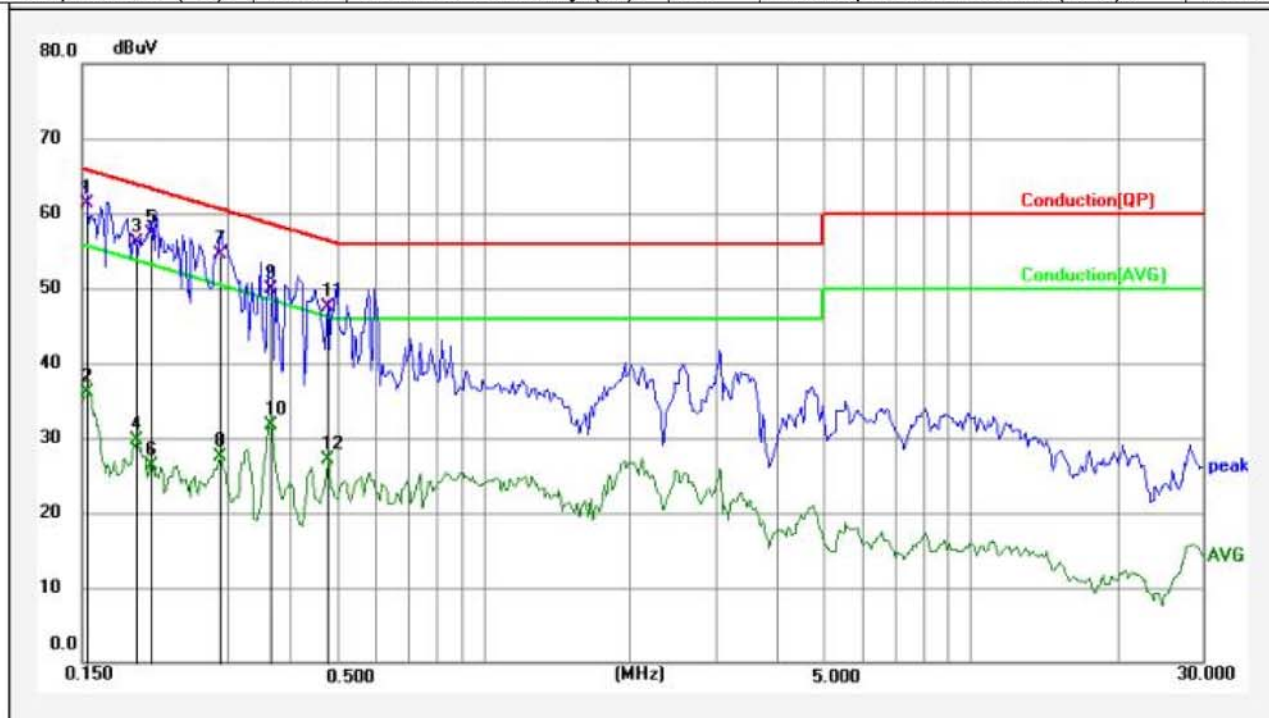
M/N	:	IVP3000-0420W			
Test Mode	:	A			
Test Phase	:	Power Line; Live			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1559	10.78	50.02	60.80	65.68	-4.88	QP	*	
2	0.1559	10.78	21.26	32.04	55.68	-23.64	AVG		
3	0.1952	10.79	47.31	58.10	63.81	-5.71	QP		
4	0.1952	10.79	17.90	28.69	53.81	-25.12	AVG		
5	0.2323	10.80	45.40	56.20	62.37	-6.17	QP		
6	0.2323	10.80	13.45	24.25	52.37	-28.12	AVG		
7	0.3301	10.82	43.08	53.90	59.45	-5.55	QP		
8	0.3301	10.82	15.17	25.99	49.45	-23.46	AVG		
9	0.3996	10.84	39.76	50.60	57.86	-7.26	QP		
10	0.3996	10.84	12.74	23.58	47.86	-24.28	AVG		
11	0.4800	10.86	38.14	49.00	56.34	-7.34	QP		
12	0.4800	10.86	12.68	23.54	46.34	-22.80	AVG		

Note: Level=Reading+Factor.
Margin=Level-Limit.

M/N		:	IVP3000-0420W			
Test Mode		:	A			
Test Phase		:	Power Line; Neutral			
Test Voltage		:	AC 120V/60Hz			
Temperature (°C):	23.5	Relative Humidity (%):	56	Atmospheric Pressure(kPa) :	101.3	

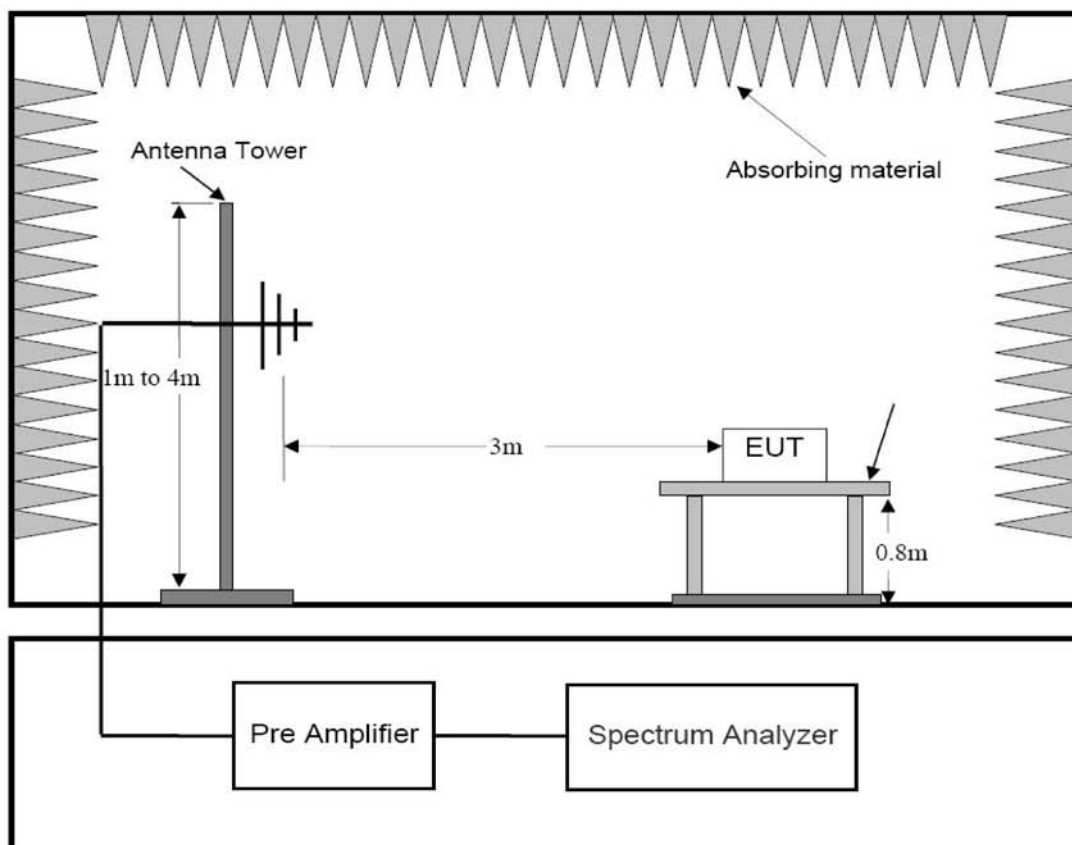


No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	MK.	Remark
1	0.1539	10.69	50.61	61.30	65.79	-4.49	QP	*	
2	0.1539	10.69	25.49	36.18	55.79	-19.61	AVG		
3	0.1949	10.70	45.50	56.20	63.83	-7.63	QP		
4	0.1949	10.70	19.09	29.79	53.83	-24.04	AVG		
5	0.2083	10.71	46.59	57.30	63.27	-5.97	QP		
6	0.2083	10.71	15.69	26.40	53.27	-26.87	AVG		
7	0.2883	10.74	43.86	54.60	60.57	-5.97	QP		
8	0.2883	10.74	16.68	27.42	50.57	-23.15	AVG		
9	0.3689	10.77	39.23	50.00	58.53	-8.53	QP		
10	0.3689	10.77	20.88	31.65	48.53	-16.88	AVG		
11	0.4800	10.80	36.70	47.50	56.34	-8.84	QP		
12	0.4800	10.80	16.31	27.11	46.34	-19.23	AVG		

Note: Level=Reading+Factor.
 Margin=Level-Limit.

4.2. RADIATED EMISSION TEST

4.2.1. Block Diagram of Test Setup



4.2.2. Limit

Limits for radiated disturbance of class B at a measuring distance of 3m

Frequency range MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

- Remark: (1) Emission level $(\text{dB})\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$
 (2) The smaller limit shall apply at the cross point between two frequency bands.
 (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.2.3. Test Procedure

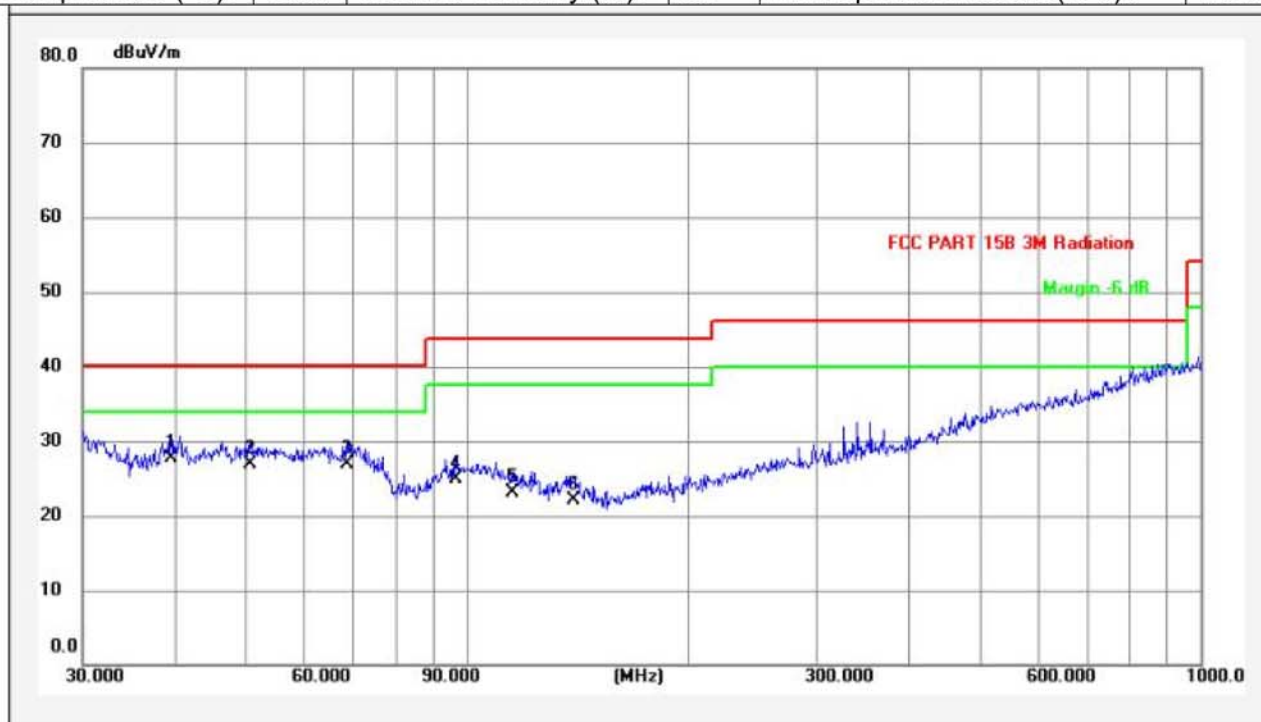
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

4.2.4. Test Results

PASS.

Please refer to the following pages of the worst case:

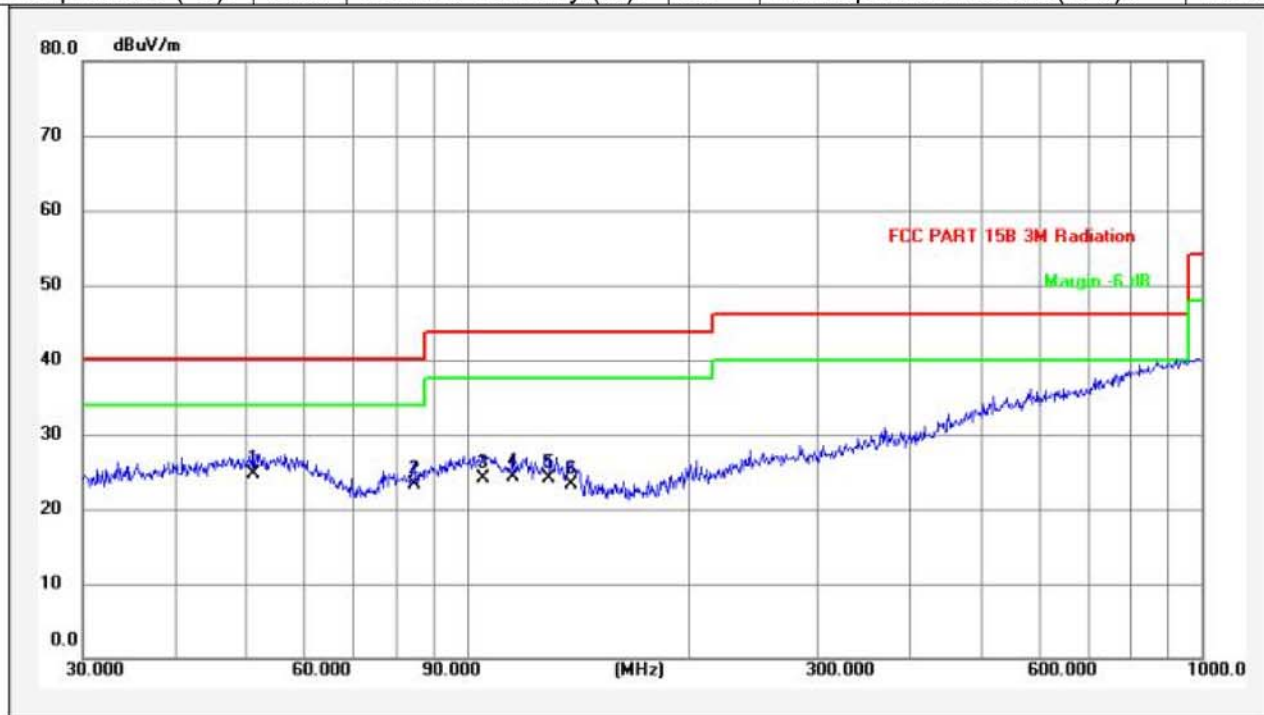
M/N	:	IVP0630-2000				
Test Mode	:	A				
Test Phase	:	Vertical				
Test Voltage	:	AC 120V/60Hz				
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9	



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	39.5756	12.36	15.44	27.80	40.00	-12.20	QP	*	
2	50.7635	13.37	13.53	26.90	40.00	-13.10	QP		
3	68.6310	9.80	17.20	27.00	40.00	-13.00	QP		
4	96.7749	12.61	12.39	25.00	43.50	-18.50	QP		
5	115.3204	11.83	11.27	23.10	43.50	-20.40	QP		
6	139.8505	9.70	12.50	22.20	43.50	-21.30	QP		

Note: Level=Reading+Factor.
Margin=Level-Limit.

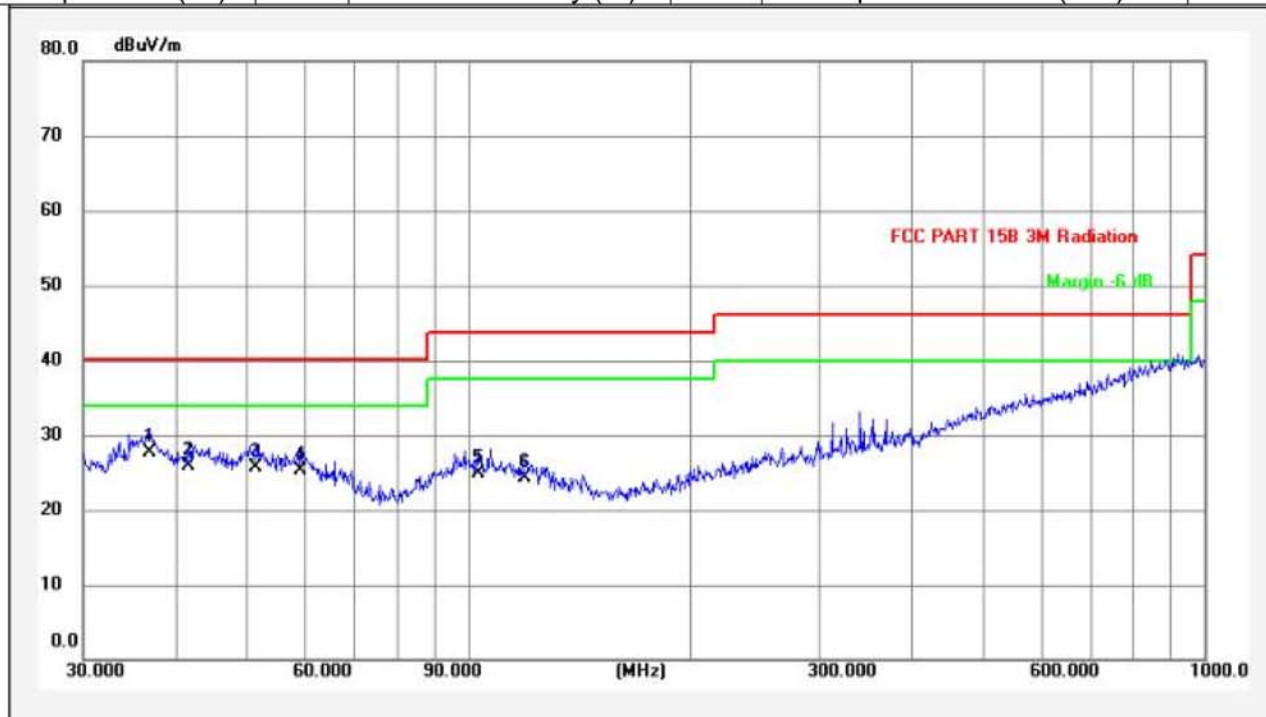
M/N	:	IVP0630-2000				
Test Mode	:	A				
Test Phase	:	Horizontal				
Test Voltage	:	AC 120V/60Hz				
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9	



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	51.1208	13.34	11.36	24.70	40.00	-15.30	QP	*	
2	84.7018	9.90	13.50	23.40	40.00	-16.60	QP		
3	105.2716	12.71	11.49	24.20	43.50	-19.30	QP		
4	115.3204	11.83	12.57	24.40	43.50	-19.10	QP		
5	129.0142	10.64	13.46	24.10	43.50	-19.40	QP		
6	138.8734	9.78	13.62	23.40	43.50	-20.10	QP		

Note: Level=Reading+Factor.
Margin=Level-Limit.

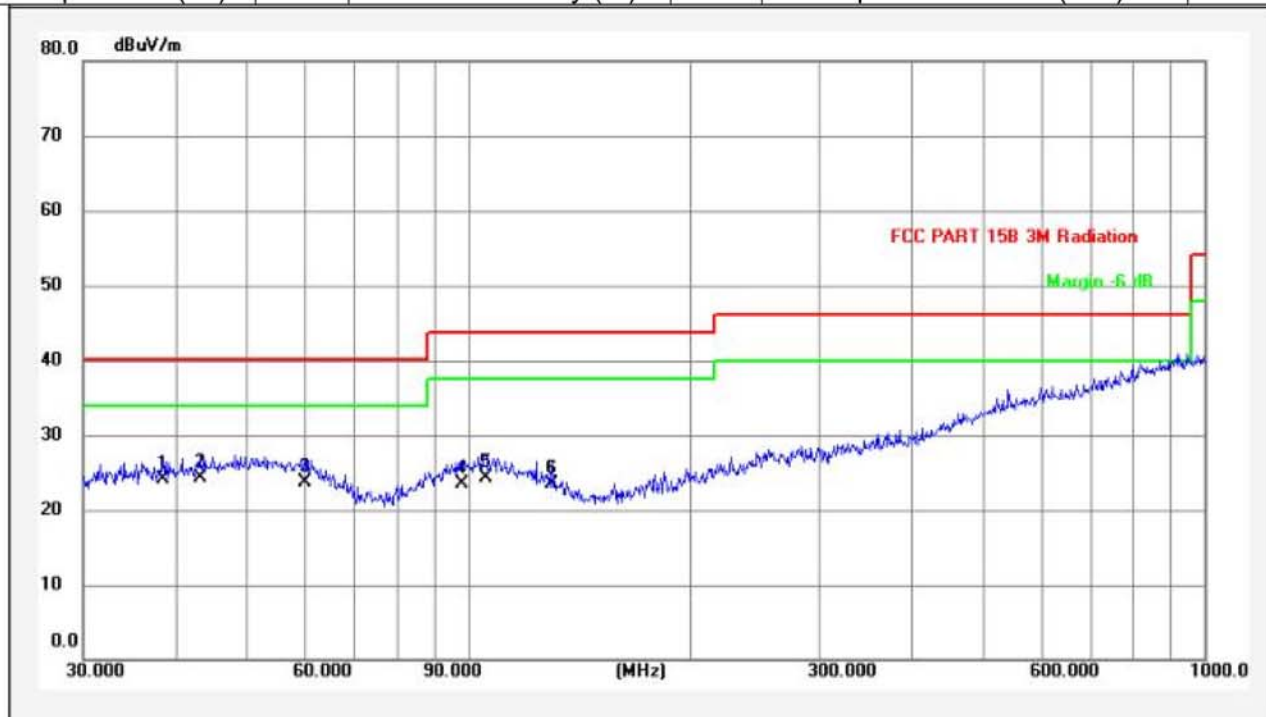
M/N	:	IVP0630-2000W			
Test Mode	:	A			
Test Phase	:	Vertical			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	36.8952	12.09	15.61	27.70	40.00	-12.30	QP	*	
2	41.7129	12.38	13.52	25.90	40.00	-14.10	QP		
3	51.4806	13.33	12.47	25.80	40.00	-14.20	QP		
4	59.2323	12.91	12.39	25.30	40.00	-14.70	QP		
5	103.0800	12.90	12.10	25.00	43.50	-18.50	QP		
6	119.4360	11.48	12.82	24.30	43.50	-19.20	QP		

Note: Level=Reading+Factor.
Margin=Level-Limit.

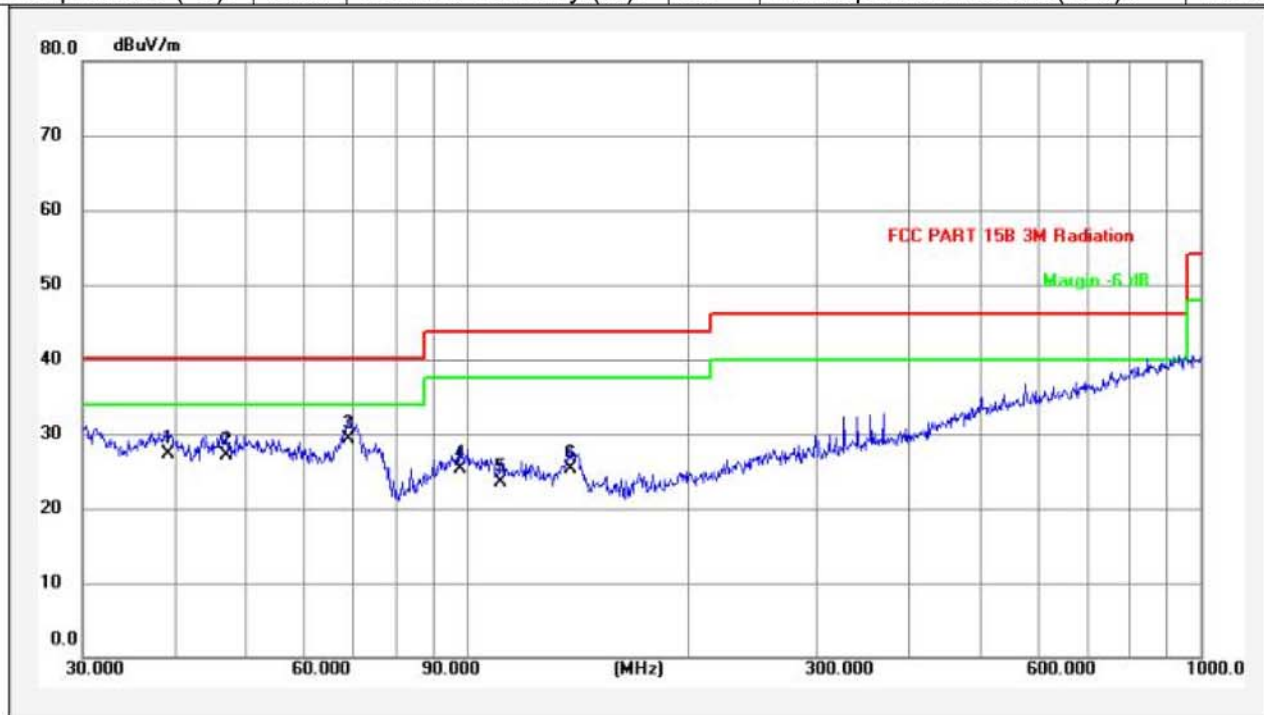
M/N	:	IVP0630-2000W			
Test Mode	:	A			
Test Phase	:	Horizontal			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	38.4808	12.25	11.95	24.20	40.00	-15.80	QP		
2	43.2014	12.37	12.03	24.40	40.00	-15.60	QP	*	
3	60.0690	12.84	10.96	23.80	40.00	-16.20	QP		
4	98.1418	12.85	10.65	23.50	43.50	-20.00	QP		
5	105.6414	12.68	11.72	24.40	43.50	-19.10	QP		
6	129.9225	10.57	12.93	23.50	43.50	-20.00	QP		

Note: Level=Reading+Factor.
Margin=Level-Limit.

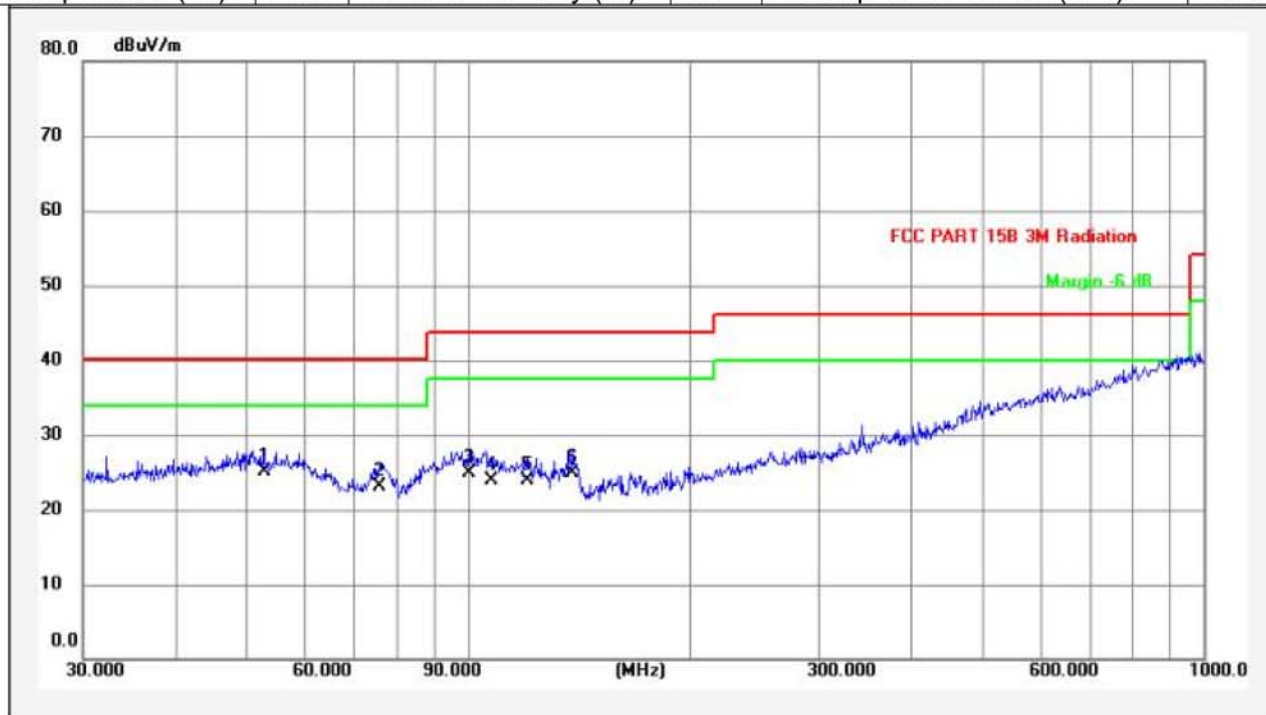
M/N	:	IVP3000-0420				
Test Mode	:	A				
Test Phase	:	Vertical				
Test Voltage	:	AC 120V/60Hz				
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9	



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	39.1613	12.32	14.98	27.30	40.00	-12.70	QP		
2	47.1597	12.33	14.77	27.10	40.00	-12.90	QP		
3	69.1140	9.63	19.67	29.30	40.00	-10.70	QP	*	
4	98.1418	12.85	12.55	25.40	43.50	-18.10	QP		
5	111.3468	12.18	11.32	23.50	43.50	-20.00	QP		
6	138.8734	9.78	15.52	25.30	43.50	-18.20	QP		

Note: Level=Reading+Factor.
Margin=Level-Limit.

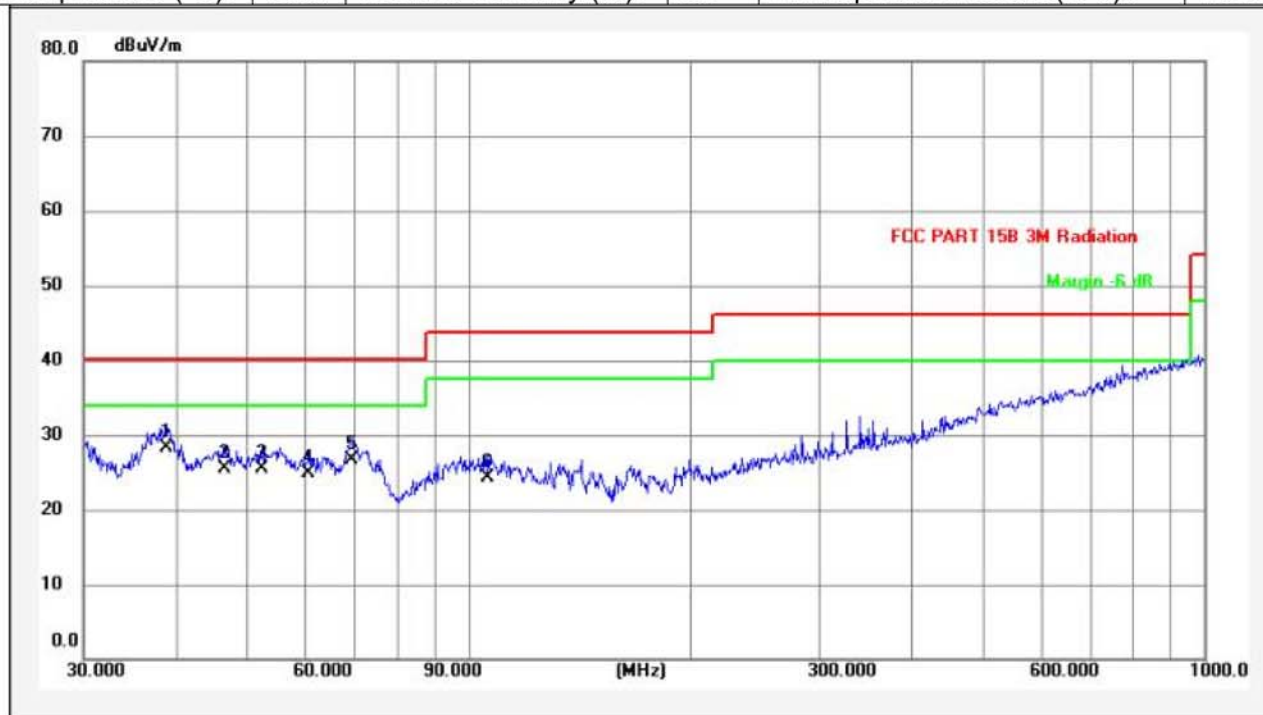
M/N	:	IVP3000-0420			
Test Mode	:	A			
Test Phase	:	Horizontal			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	52.7600	13.26	11.84	25.10	40.00	-14.90	QP	*	
2	75.7112	8.89	14.21	23.10	40.00	-16.90	QP		
3	100.2284	13.15	11.75	24.90	43.50	-18.60	QP		
4	107.8876	12.49	11.51	24.00	43.50	-19.50	QP		
5	120.6991	11.37	12.63	24.00	43.50	-19.50	QP		
6	138.8734	9.78	15.12	24.90	43.50	-18.60	QP		

Note: Level=Reading+Factor.
 Margin=Level-Limit.

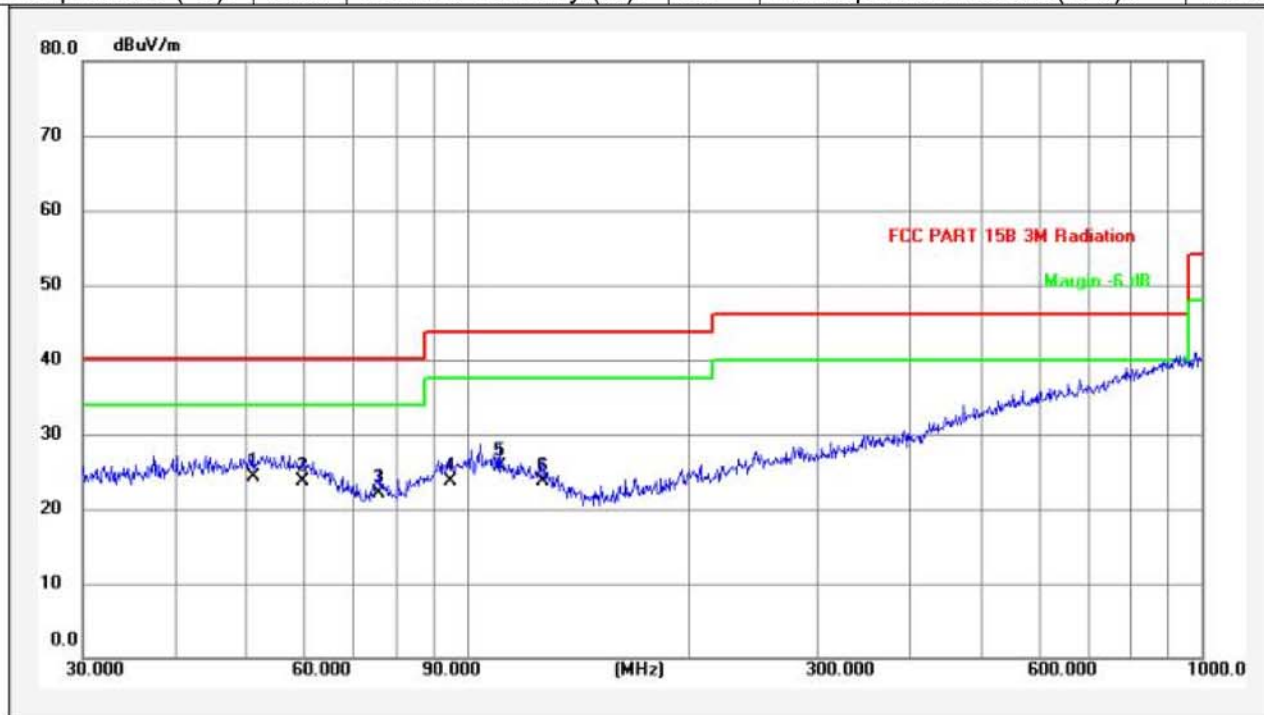
M/N	:	IVP3000-0420W			
Test Mode	:	A			
Test Phase	:	Vertical			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9



No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	38.8877	12.29	16.11	28.40	40.00	-11.60	QP	*	
2	46.6662	12.33	13.17	25.50	40.00	-14.50	QP		
3	52.3911	13.28	12.22	25.50	40.00	-14.50	QP		
4	60.7043	12.61	12.29	24.90	40.00	-15.10	QP		
5	69.3568	9.55	17.15	26.70	40.00	-13.30	QP		
6	106.3850	12.61	11.79	24.40	43.50	-19.10	QP		

Note: Level=Reading+Factor.
Margin=Level-Limit.

M/N	:	IVP3000-0420W			
Test Mode	:	A			
Test Phase	:	Horizontal			
Test Voltage	:	AC 120V/60Hz			
Temperature (°C):	23.8	Relative Humidity (%):	55	Atmospheric Pressure(kPa) :	101.9

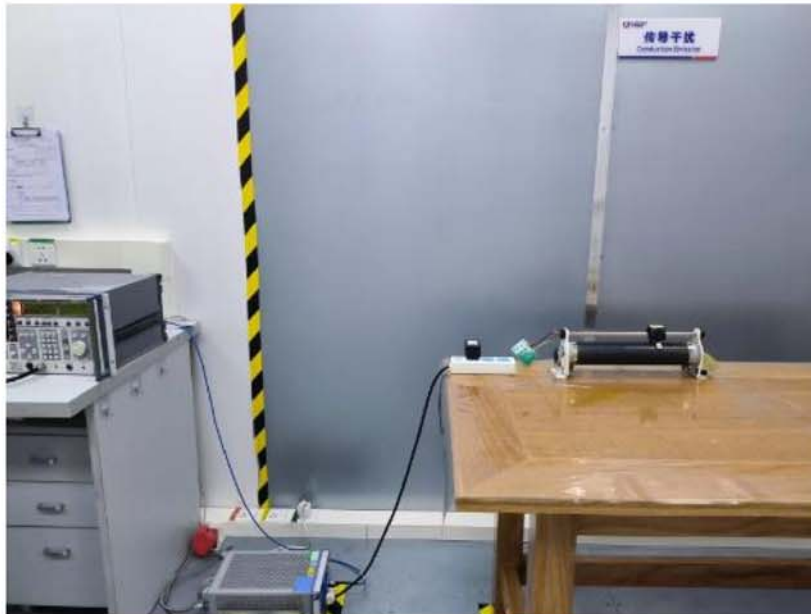


No.	Frequency (MHz)	Factor (dBuV/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	MK.	Remark
1	51.1208	13.34	10.96	24.30	40.00	-15.70	QP	*	
2	59.8588	12.87	10.83	23.70	40.00	-16.30	QP		
3	75.9772	8.87	13.33	22.20	40.00	-17.80	QP		
4	94.7600	12.26	11.54	23.80	43.50	-19.70	QP		
5	110.5686	12.25	13.45	25.70	43.50	-17.80	QP		
6	126.7723	10.84	12.96	23.80	43.50	-19.70	QP		

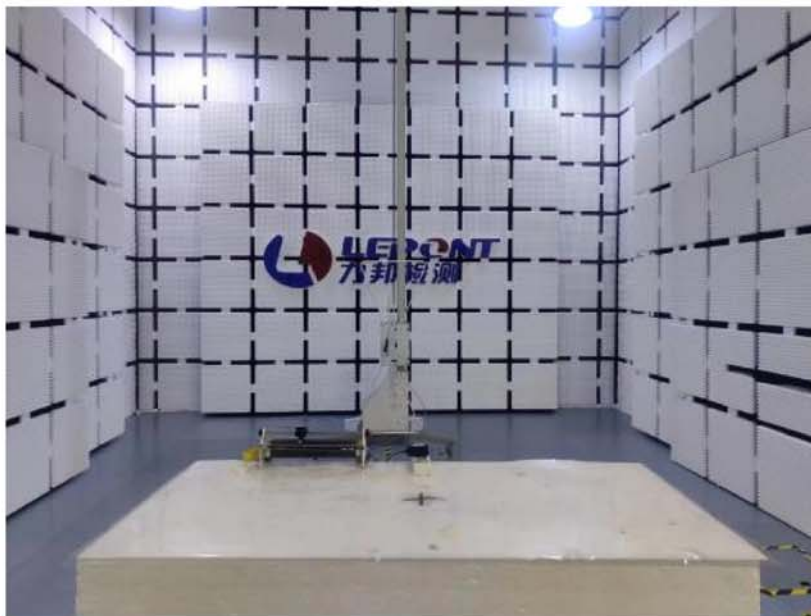
Note: Level=Reading+Factor.
Margin=Level-Limit.

5. TEST PHOTOGRAPHS

Conducted Emission at The Mains Terminals Test



Radiated Emission Test



6. PHOTOGRAPHS OF THE EUT

External view for case type A



External view for case type A



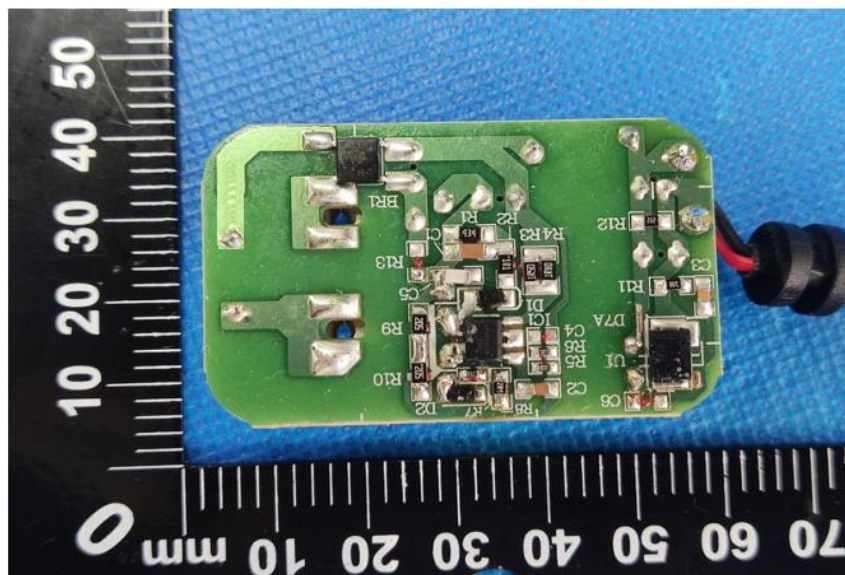
Internal view for case type A



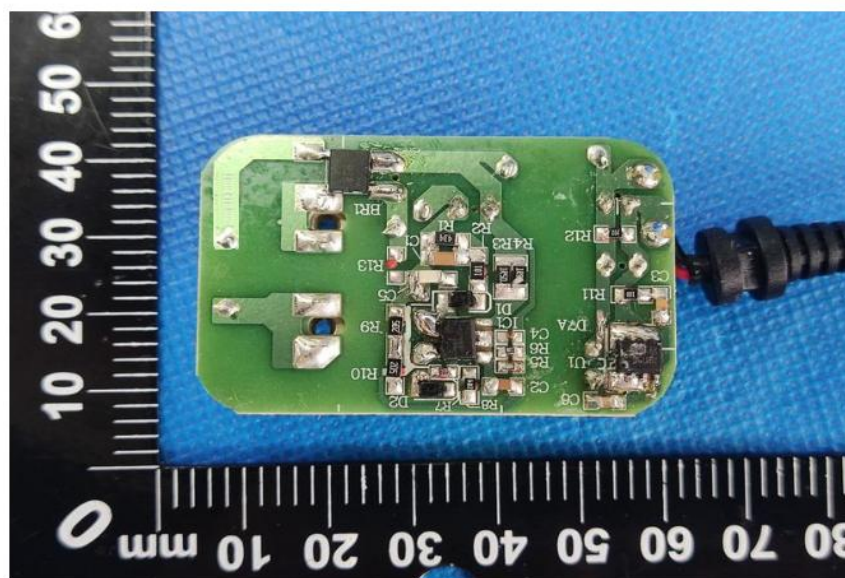
PCB view for PCB layout PCB-T594-K (Line choke L1: 0510-102K)



PCB view with D7A without U1, for PCB layout PCB-T594-K



PCB view with U1 without D7A, for PCB layout PCB-T594-K



Internal view for case type B



Internal view for case type B



Internal view for case type B



PCB view without L2, for PCB layout PCB-T984 (Line choke L1: 0510-102K)



PCB view with L2, for PCB layout PCB-T984 (Line choke L1: 0510-102K)



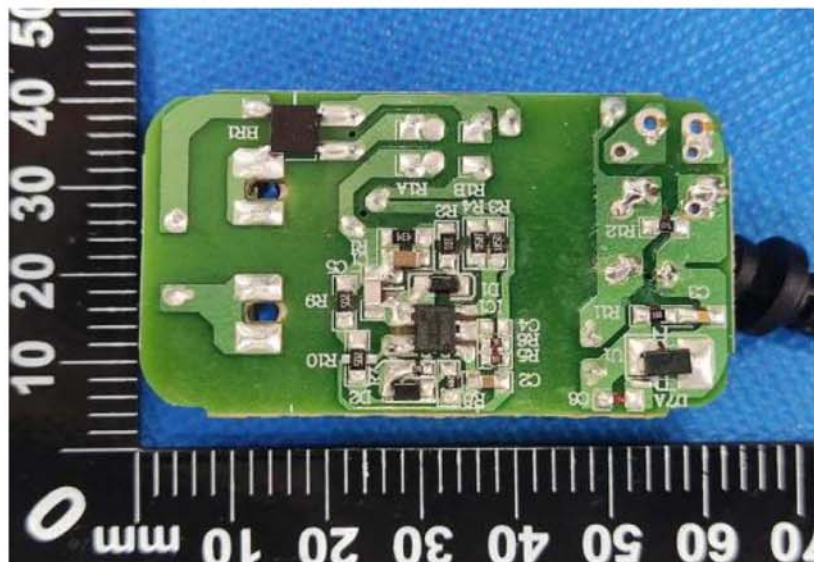
PCB view without L2, for PCB layout PCB-T984 (Line choke L1: 0501-0027)



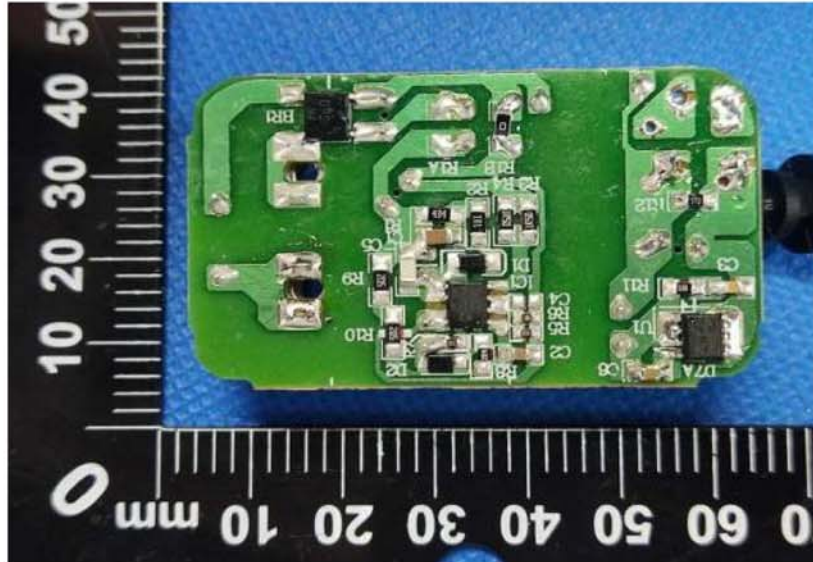
PCB view with L2, for PCB layout PCB-T984 (Line choke L1: 0501-0027)



PCB view with D7A (without U1+C6), for PCB layout PCB-T984



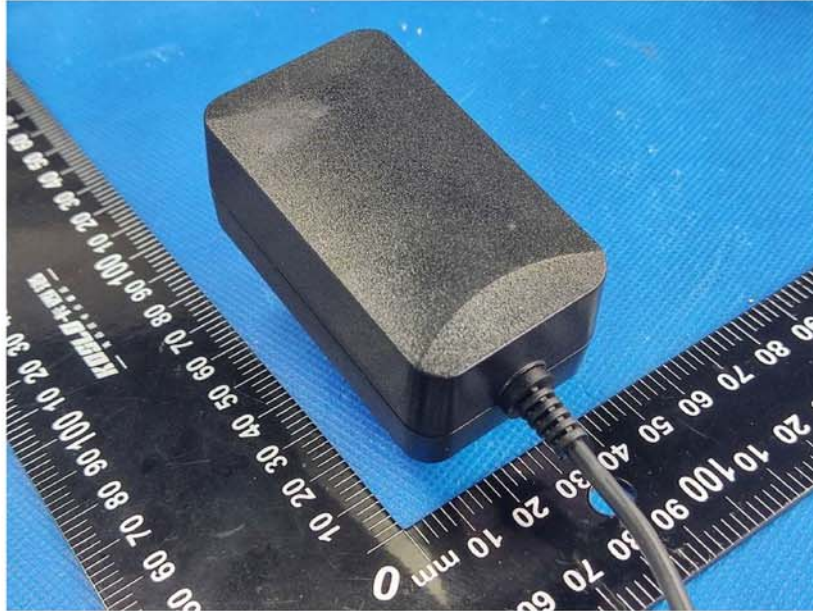
PCB view with U1+C6 (without D7A), for PCB layout PCB-T984



External view for case type C



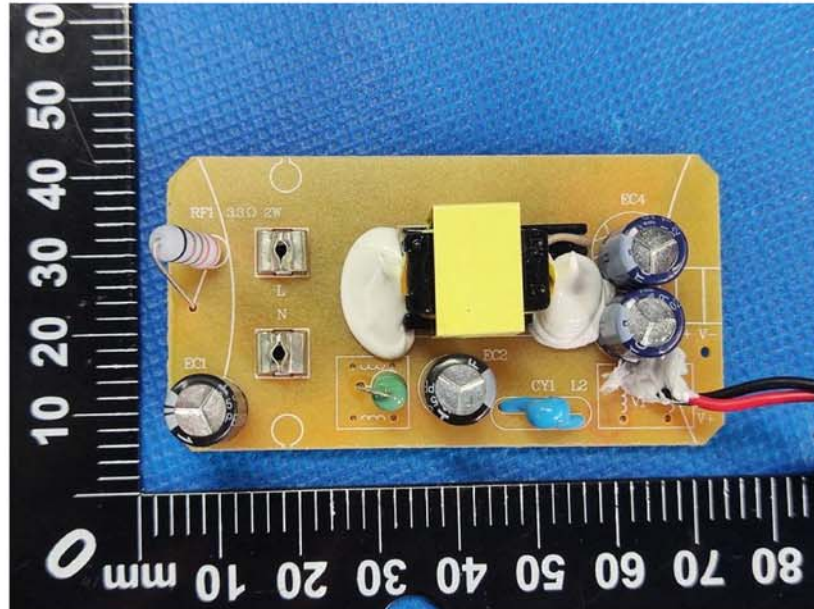
External view for case type C



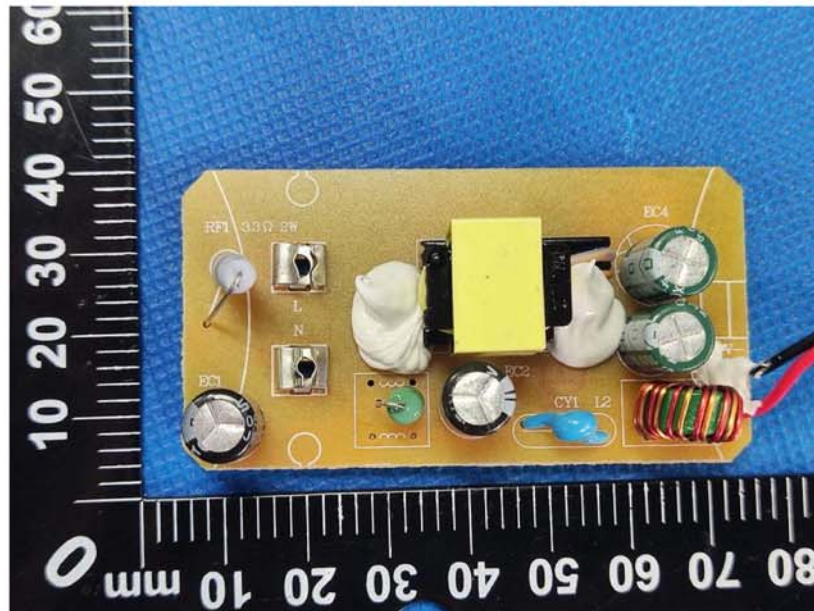
Internal view for case type C



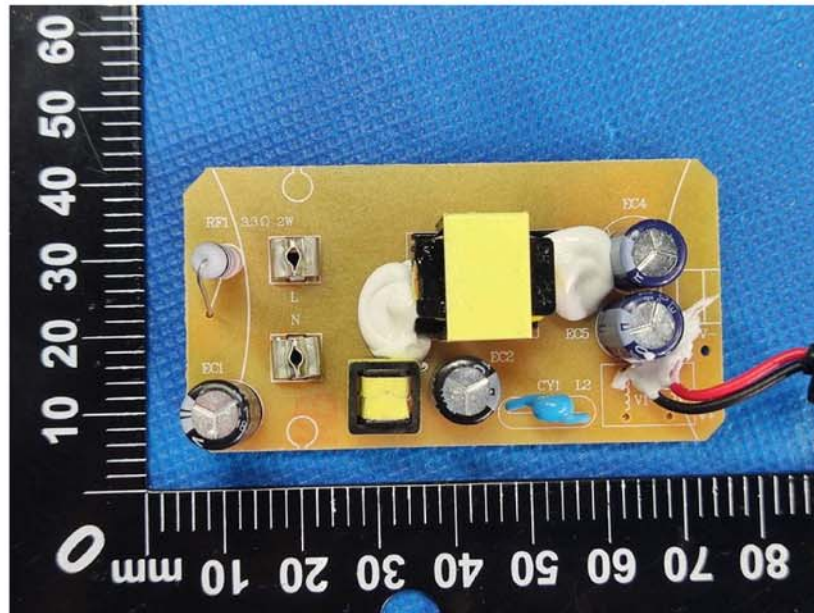
PCB view without L2, for PCB layout PCB-T985 (Line choke L1: 0510-102K)



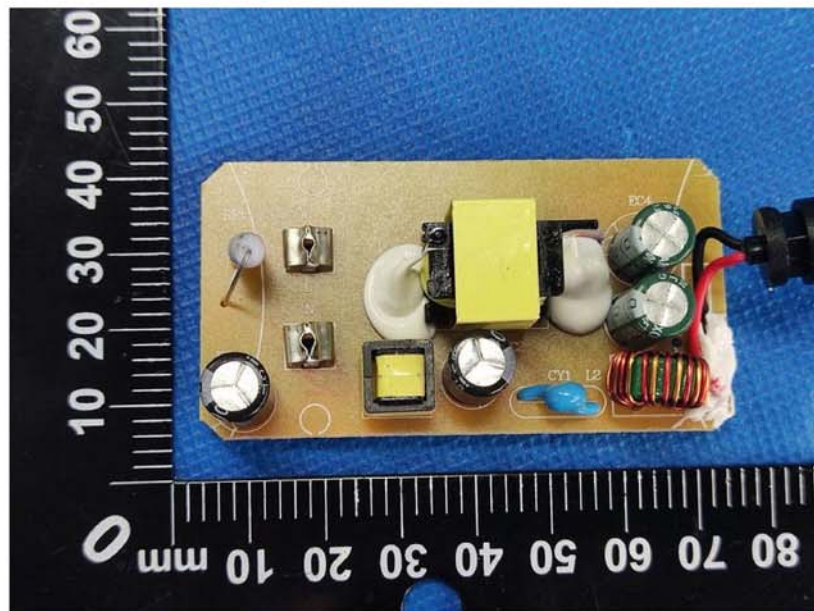
PCB view with L2, for PCB layout PCB-T985 (Line choke L1: 0510-102K)



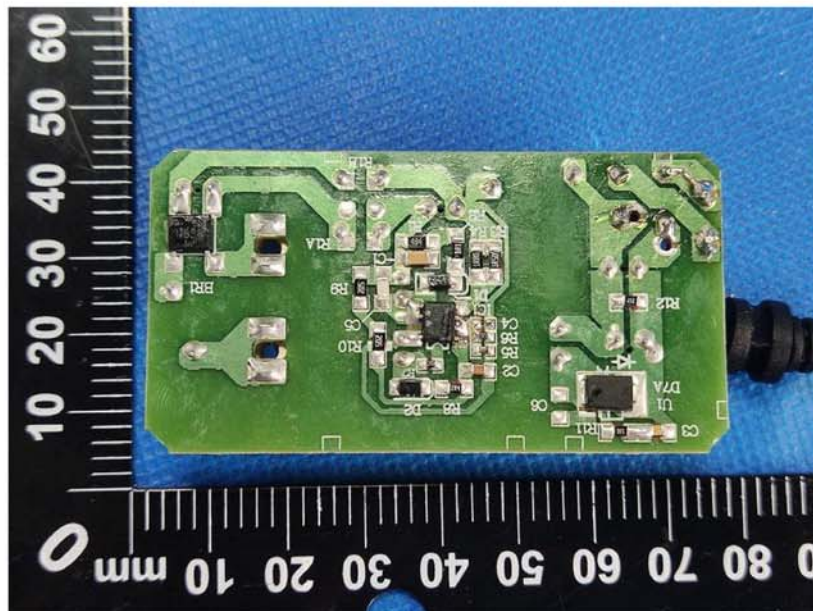
PCB view without L2, for PCB layout PCB-T985 (Line choke L1: 0501-0027)



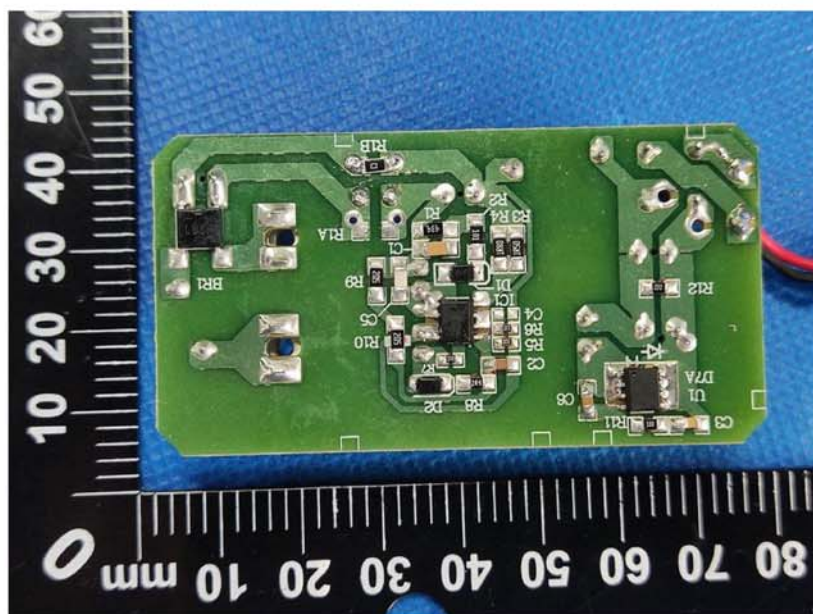
PCB view with L2, for PCB layout PCB-T985 (Line choke L1: 0501-0027)



PCB view with D7A without U1, for PCB layout PCB-T985



PCB view with U1 without D7A, for PCB layout PCB-T985



External view for case type D



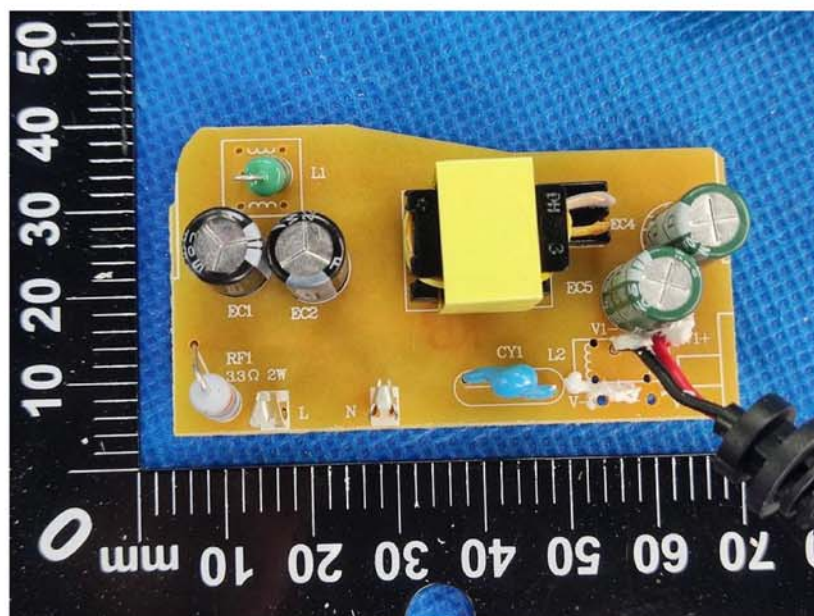
External view for case type D



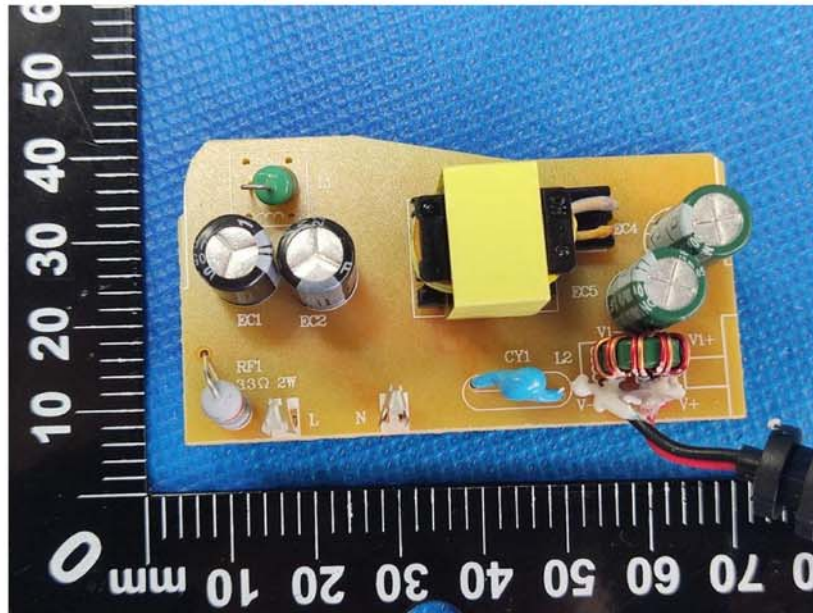
External view for case type D



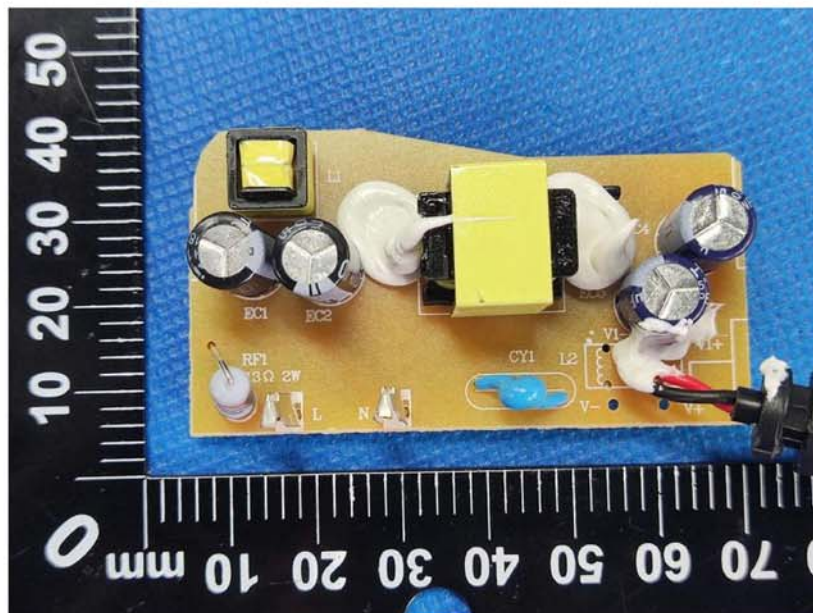
PCB view without L2, for PCB layout PCB-T484-K (Line choke L1: 0510-102K)



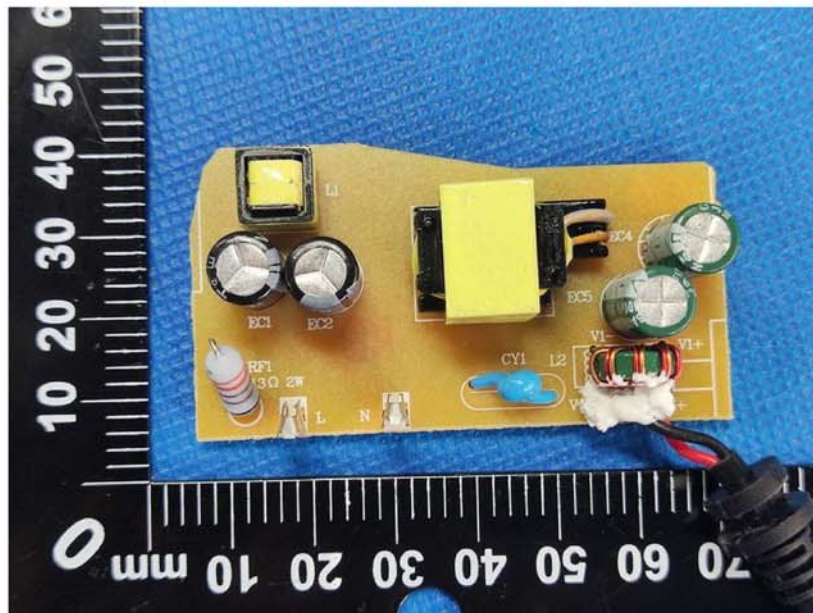
PCB view with L2, for PCB layout PCB-T484-K (Line choke L1: 0510-102K)



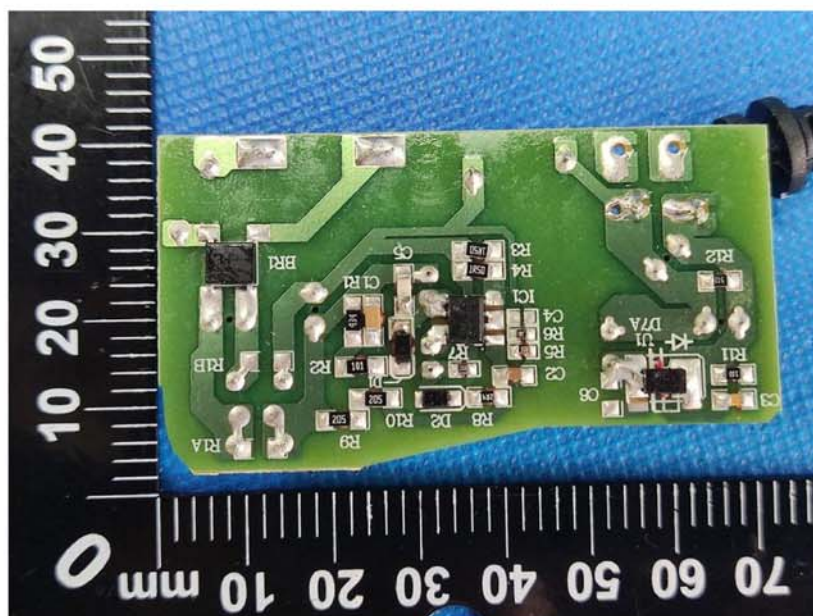
PCB view without L2, for PCB layout PCB-T484-K (Line choke L1: 0501-0027)



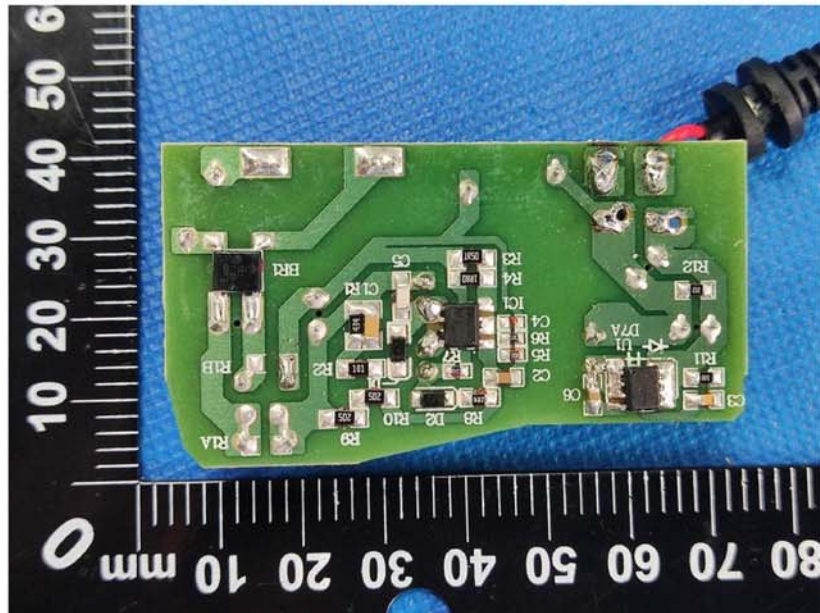
PCB view with L2, for PCB layout PCB-T484-K (Line choke L1: 0501-0027)



PCB view with D7A without U1, for PCB layout PCB-T484-K



PCB view with U1 without D7A, for PCB layout PCB-T484-K



---END---