

Report NO: 19D050005_I

UPCP-CR-VPX

EMI Debug Solution Report

Summary	<input checked="" type="checkbox"/> Pass			
	<input type="checkbox"/> Fail			
<input type="checkbox"/> Pass with Deviation				
Comment: _____				
Test Result Summary				
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date

Supervisor

Test Engineer

05-16-2019

Louie Lee

Justin Wu

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1. Project

UPCP-CR-VPX

BIOS Rev: NA

CPU: Intel® Atom™ Processor E3940 1.6GHz

2. Team Member

PM : Vanessa Chiu ; EE : Tony Lin

3. Test Site

AAEON EMI Chamber

4. Standard

CE : EN 55022

5. Test Equipments

5.1. Power Supply : Powertron 12V/5A , Model : PS1065-120IB500

5.2. LCD Monitor : Dell , Model : U2410

5.3. Memory : DDR4 4GB , Model : NA

5.4. Storage : EMMC 64GB , Model : NA

5.5. USB Mouse : Logitech , Model : M-BT85

5.6. USB Keyboard : Logitech , Model : Y-BL49

6. Test Program

6.1. Run run.bat under ubuntu 16.04

6.2. Resolution : 1920*1200 , 32Bit , 60Hz

7. Debug Solution for Details

None

8. Photos of Product

Fig.8.1. —Front Side



Fig.8.2. —Rear Side



Fig.8.3. —Component side



Fig.8.4. —Solder side



Fig.8.5. —AAEON EMI chamber (Front)



Fig.8.6. —AAEON EMI chamber (Rear)



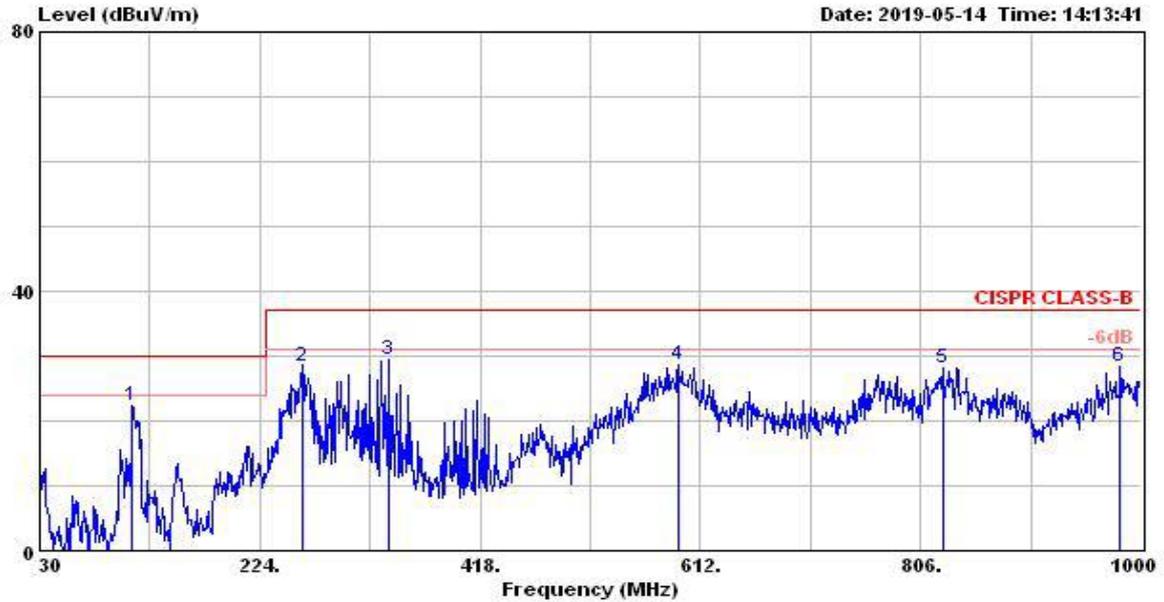
9. AAEON EMI chamber Data

Fig.9.1. —EMI chamber Data for Horizontal



5F, No.135, Lane 235, Pao Chiao Rd.
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<http://WWW.aaeon.com.tw>

Data#: 2 File#: D:\data\UPC-VISP4\UPC-VISP4.EMI



Site : AAEON 3M Chamber1
Condition: CISPR CLASS-B 10m CCS_200409 HORIZONTAL
cut : UPC-VISP4
power : 110V
memo : DP 1920*1200
: USB keyboard/mouse
: USB HDD *2
: full loading

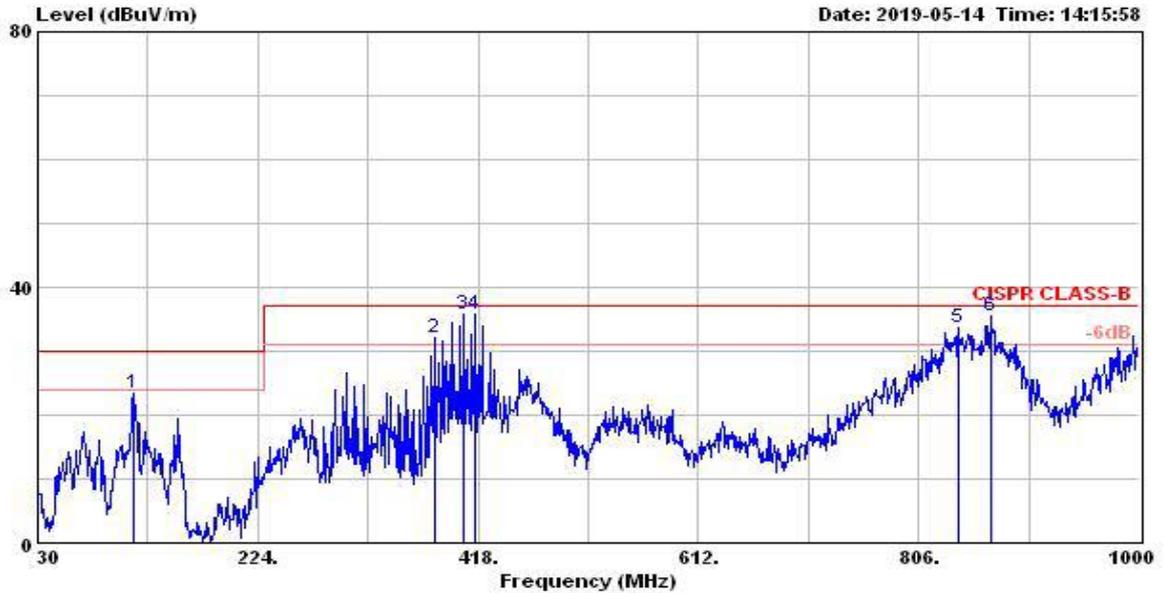
	Freq	Level	Over	Limit	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m			m
1	111.480	22.32	-7.68	30.00		HORIZONTAL	10
2	260.860	28.55	-8.45	37.00		HORIZONTAL	10
3	337.490	29.58	-7.42	37.00		HORIZONTAL	10
4	592.600	28.59	-8.41	37.00		HORIZONTAL	10
5	825.400	28.06	-8.94	37.00		HORIZONTAL	10
6	981.570	28.42	-8.58	37.00		HORIZONTAL	10

Fig.9.2. —EMI chamber Data for Vertical



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Site : AAEON 3M Chamber1
Condition: CISPR CLASS-B 10m CCS_200409 VERTICAL
equipment : UPC-VISP4
power : 110V
memo : DP 1920*1200
: USB keyboard/mouse
: USB HDD *2
: full loading

	Freq	Level	Over	Limit	Remark	Pol/Phase	Distance
	MHz	dBuV/m	dB	dBuV/m			m
1	114.390	23.45	-6.55	30.00		VERTICAL	10
2 !	360.170	32.01	-4.99	37.00		VERTICAL	10
3 Max	405.390	35.90	-1.10	37.00		VERTICAL	10
4 !	416.060	35.71	-1.29	37.00		VERTICAL	10
5 !	840.920	33.62	-3.38	37.00		VERTICAL	10
6 !	869.050	35.64	-1.36	37.00		VERTICAL	10

10. Test Result

Radiated Emission Class A Passed. CE/FCC formal report should be applied.