

Report NO: 19D050003\_I

# PER-TAIX2-A10-2280

## EMI Debug Solution Report

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

Issue date

Approval

Test Engineer

04-10-2019

Louie Lin

Justin Wu

## Table of Contents

1. Project.....	3
2. Team Member .....	3
3. Test Site.....	3
4. Standard .....	3
5. Test Equipments.....	3
6. Test Program .....	3
7. Debug Solution for Details.....	3
8. Photos of Product .....	4
Fig.8.1. ——Front Side .....	4
Fig.8.2. ——Rear Side .....	4
Fig.8.3. ——AAEON EMI chamber (Front).....	5
Fig.8.4. ——AAEON EMI chamber (Rear).....	5
9. AAEON EMI chamber Data.....	6
Fig.9.1. ——EMI chamber Data for Horizontal.....	6
Fig.9.2. ——EMI chamber Data for Vertical.....	7
10. Test Result.....	7

**1. Project**

PER-TAIX2-A10-2280

BIOS Rev: NA

CPU: Intel® Movidius Myriad X VPU

**2. Team Member**

PM : Troy Lin ; EE : Jimmy Tseng

**3. Test Site**

AAEON EMI Chamber

**4. Standard**

CE : EN 55022

**5. Test Equipments**

5.1. Power Supply : FSP 19V/3.43A , Model : FSP065-10AABA

5.2. LCD Monitor : Dell , Model : U2410

5.3. Memory : DDR4 4GB , Model : D01032-0042

5.4. Storage : External HDD , 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 Windows 10

6.2. Read/Write HDD under Windows 10

6.3. Resolution : 1920\*1200 , 32Bit , 60Hz

**7. Debug Solution for Details**

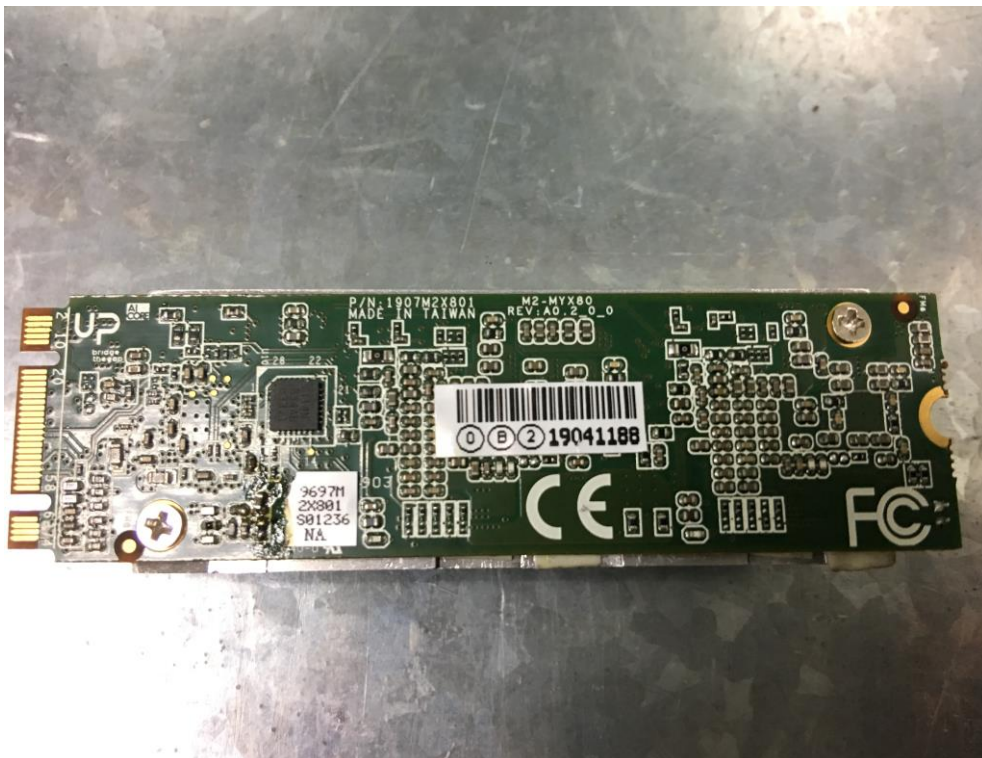
None

## 8. Photos of Product

Fig.8.1. —Front Side



Fig.8.2. —Rear Side



**Fig.8.3. —AAEON EMI chamber (Front)**



**Fig.8.4. —AAEON EMI chamber (Rear)**



## 9. AAEON EMI chamber Data

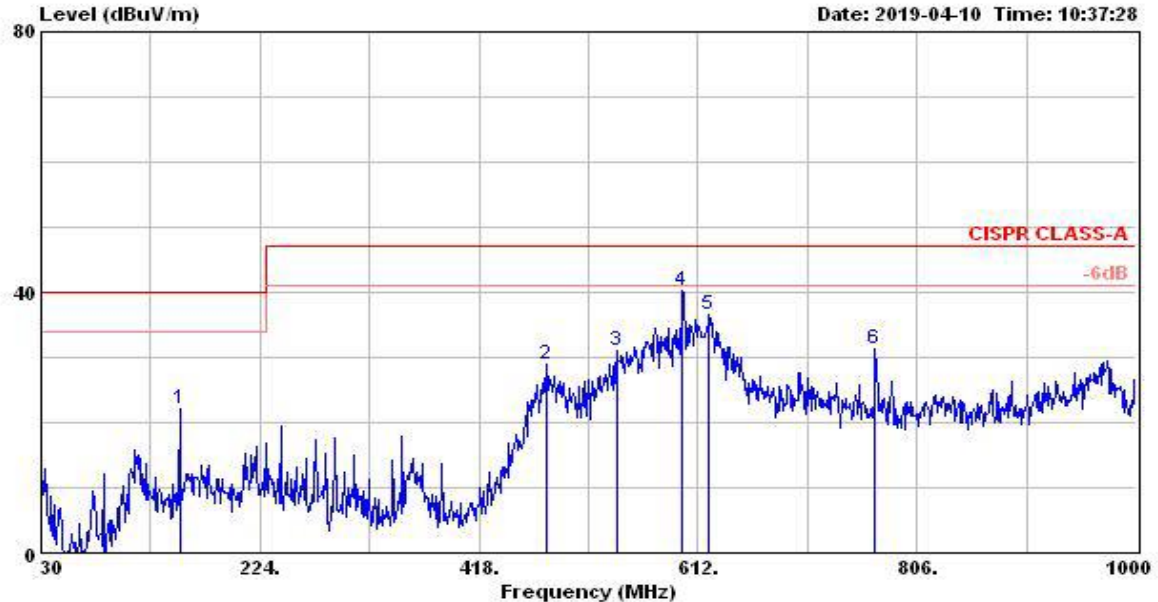
Fig.9.1. —EMI chamber Data for Horizontal



5F, No.135, Lane 235, Pao Chiao Rd.  
Hsin - Tien City, Taipei, Taiwan, R.O.C.  
TEL : 886 - 2 - 8919 - 1234  
FAX : 886 - 2 - 8919 - 1054  
<http://WWW.aaeon.com.tw>

Data#: 20

File#: D:\data\PER-TAIX2-A10-2280\PER-TAIX-A10-2280.EMI



Site : AAEON 3M Chamber1  
Condition: CISPR CLASS-A 10m CCS\_200409 HORIZONTAL  
cut : PER-TAIX-A10-2280  
power : 110V  
memo : HDMI 1920\*1200  
: USB keyboard/mouse

	Freq	Level	Over	Limit	Remark	Pol/Phase	Distance
	MHz	dBuV/m	Limit	Line			m
			dB	dBuV/m			
1	153.190	22.17	-17.83	40.00		HORIZONTAL	10
2	477.170	29.04	-17.96	47.00		HORIZONTAL	10
3	540.220	31.10	-15.90	47.00		HORIZONTAL	10
4 Max	598.420	40.18	-6.82	47.00		HORIZONTAL	10
5 Max	621.700	36.59	-10.41	47.00		HORIZONTAL	10
6	769.140	31.19	-15.81	47.00		HORIZONTAL	10



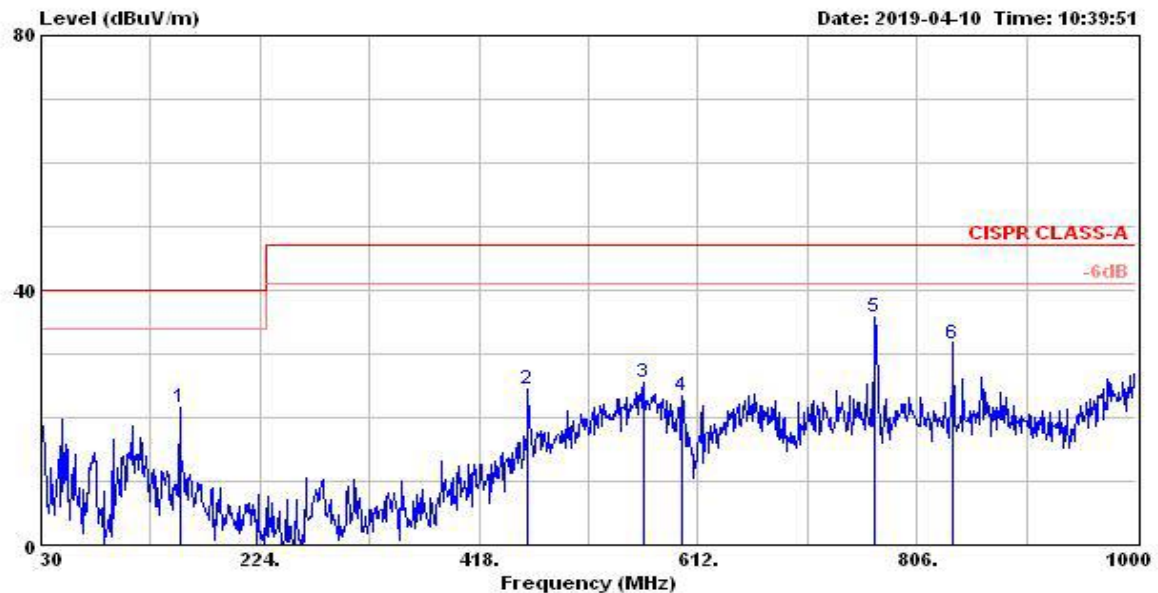
Fig.9.2. —EMI chamber Data for Vertical



5F, No.135, Lane 235, Pao Chiao Rd.  
Hsin - Tien City, Taipei, Taiwan, R.O.C.  
TEL : 886 - 2 - 8919 - 1234  
FAX : 886 - 2 - 8919 - 1054  
<http://WWW.aaeon.com.tw>

Data#: 22

File#: D:\data\PER-TAIX2-A10-2280\PER-TAIX-A10-2280.EMI



Site : AAEON 3M Chamber1  
Condition: CISPR CLASS-A 10m CCS\_200409 VERTICAL  
cut : PER-TAIX-A10-2280  
power : 110V  
memo : HDMI 1920\*1200  
: USB keyboard/mouse

	Freq	Level	Over	Limit	Remark	Pol/Phase	Distance
	MHz	dBuV/m	Limit	dBuV/m			m
1	153.190	21.59	-18.41	40.00		VERTICAL	10
2	461.650	24.43	-22.57	47.00		VERTICAL	10
3	563.500	25.42	-21.58	47.00		VERTICAL	10
4	598.420	23.36	-23.64	47.00		VERTICAL	10
5 Max	769.140	35.76	-11.24	47.00		VERTICAL	10
6	838.010	31.71	-15.29	47.00		VERTICAL	10

## 10. Test Result

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