



EMC Test Report

Model name: RITY12R

Initiated by	Daniel Chou	Originate Date	2015/03/12
Reviewed by	Solo Chung	Revision	QD4-070 Rev.A2
Approved by	Eddy Kao	Release Status	Preliminary

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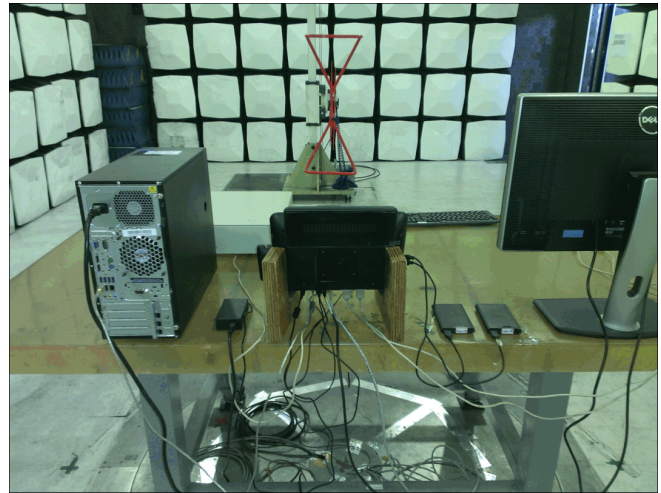
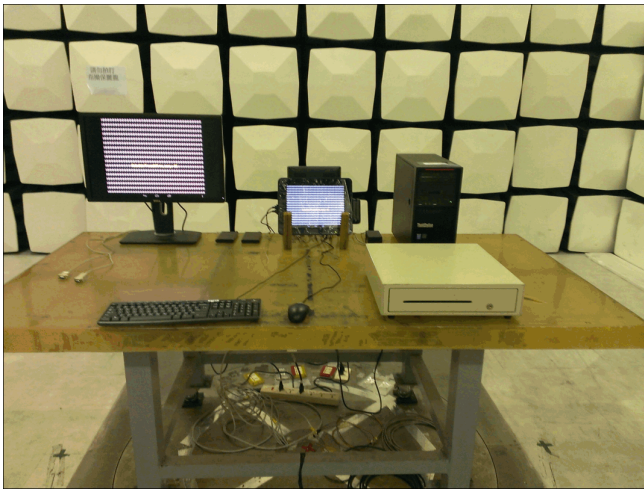
◆ Test Items :

	Standard	item	Result: Pass/Fail
☒	EN55022	Radiation	Class B Pass
☐		Conduction	
☐		ISN	
☐	EN61000-3-2	Harmonic	
☐	EN61000-3-3	Flicker	
☐	IEC61000-4-2	ESD	
☐	IEC61000-4-3	RS	
☐	IEC61000-4-4	EFT	
☐	IEC61000-4-5	Surge	
☐	IEC61000-4-6	CS	
☐	IEC61000-4-8	MS	
☐	IEC61000-4-11	Dip, Drop	

◆ Test configure:

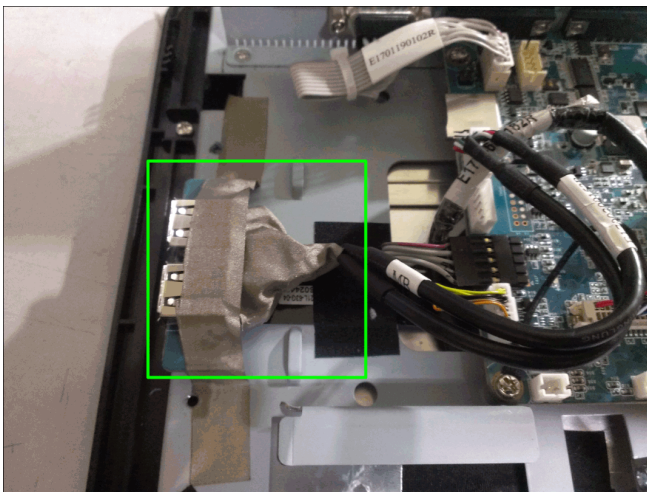
	Unit	Brand	Model	Notes
1	M/B	Avalue	ACP-IMX6POS	A1
2	CPU			
3	RAM			
4	HDD			
5	Panel			
6	Inverter			
7	Adaptor	FSP	FSP060-DBAE1	DC 12V / 5A
8	RF module			
9	Battery			

◆ Test condition:

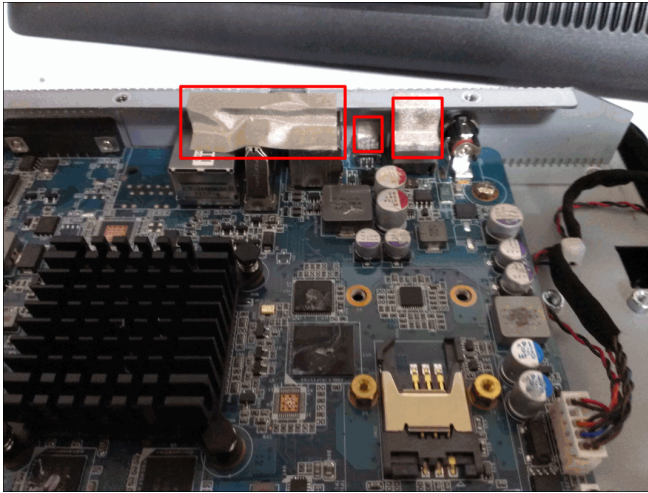


◆ Solution:

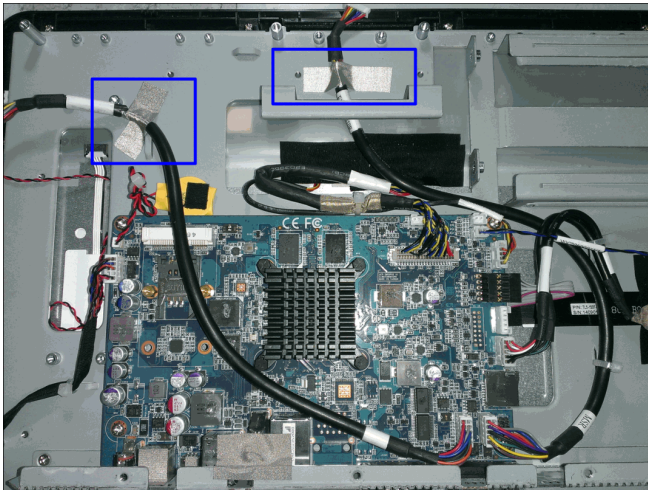
1. 側邊 USB 對策



2. 所有 I/O Connector 加貼導電布搭接機殼



3. VFD and MSR Cable 需要露出 Shielding 搭接機殼



◆ Test Data:



程智科技股份有限公司

Compliance Certification Service Inc.

No.163-1,JhongSheng Rd.,Sindian City,Taipei,Taiwan.(Sindian Lab)

Site: Chamber# 966

Tel:+886-2-2217-0894

Fax:+886-2-2217-1029

Job No.: File :20150310安勤-966

Standard: CISPR22 ClassB 10M Radiation

Test item: Radiation Test

Company: Avalue

Trade Name:

Model: RITY12R

Polarization: Vertical

Power AC 110V/60Hz

Date: 2015/3/10

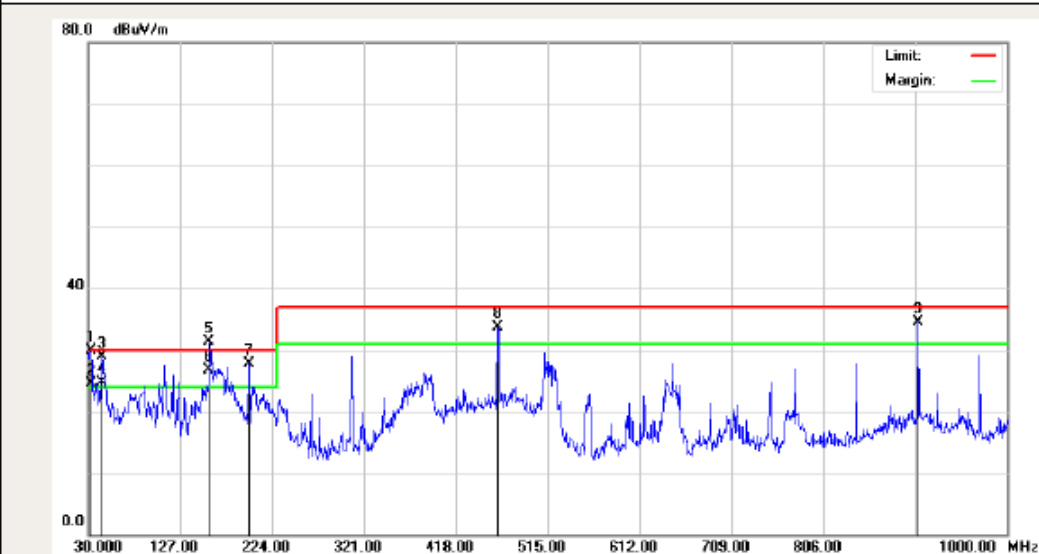
Time: 下午 03:16:33

Temp.(°C)/Hum.(%): 26 °C / 60 %

Engineer Kevin Wang

Test Mode/Description:

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (°)	P/F	Remark
1	32.9100	48.37	-18.52	29.85	30.00	-0.15	peak			P	
2	32.9100	43.10	-18.52	24.58	30.00	-5.42	QP			P	
3	44.5500	52.28	-23.31	28.97	30.00	-1.03	peak			P	
4	44.5500	48.00	-23.31	24.69	30.00	-5.31	QP			P	
5	158.0399	48.79	-17.48	31.31	30.00	1.31	peak			F	
6	158.0399	44.10	-17.48	26.62	30.00	-3.38	QP			P	
7	199.7500	46.35	-18.63	27.72	30.00	-2.28	peak			P	
8	462.6200	50.41	-16.75	33.66	37.00	-3.34	peak			P	
9	905.9100	41.77	-7.17	34.60	37.00	-2.40	peak			P	



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Tel: +886-2-2217-0894

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Job No.: File :20150310安勤-966

Standard: CISPR22 ClassB 10M Radiation

Test item: Radiation Test

Company: Avalue

Trade Name:

Model: RITY12R

Polarization: Horizontal

Power AC 110V/60Hz

Date: 2015/3/10

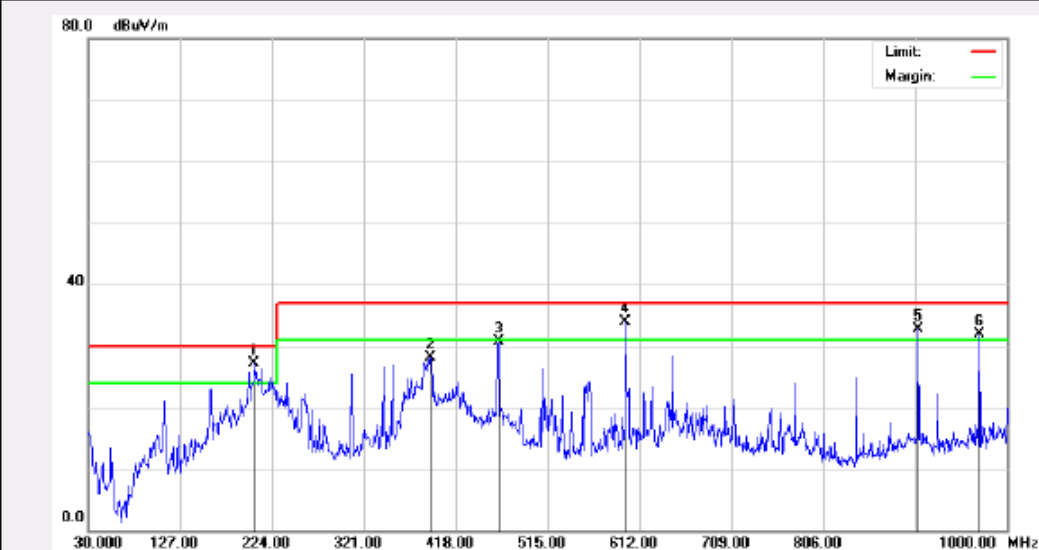
Time: 下午 03:21:54

Temp.(°C)/Hum.(%): 26 °C / 60 %

Engineer Kevin Wang

Test Mode/Description:

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (°)	P/F	Remark
1	205.5700	50.08	-22.95	27.13	30.00	-2.87	peak			P	
2	391.8100	47.25	-19.07	28.18	37.00	-8.82	peak			P	
3	463.5900	45.31	-14.66	30.65	37.00	-6.35	peak			P	
4	597.4500	47.62	-13.79	33.83	37.00	-3.17	peak			P	
5	905.9100	44.03	-11.35	32.68	37.00	-4.32	peak			P	
6	970.9000	43.02	-11.16	31.86	37.00	-5.14	peak			P	