



EMC Test Report

Model name: RITY15R

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

Drawings and specifications herein are property of Avalue and shall not be reproduced or copied or used without prior written

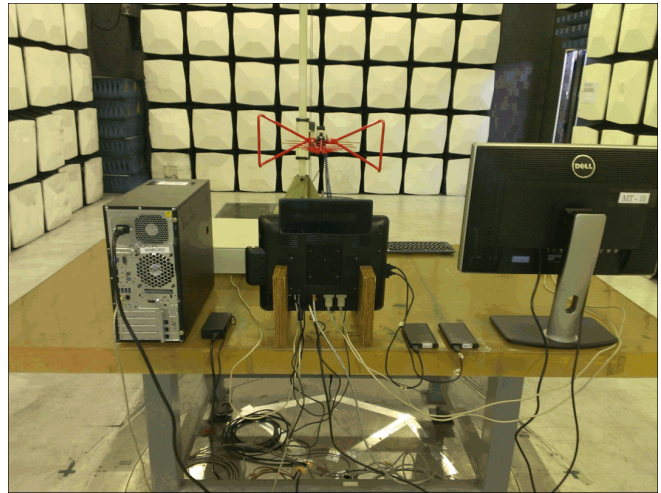
◆ Test Items :

	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:

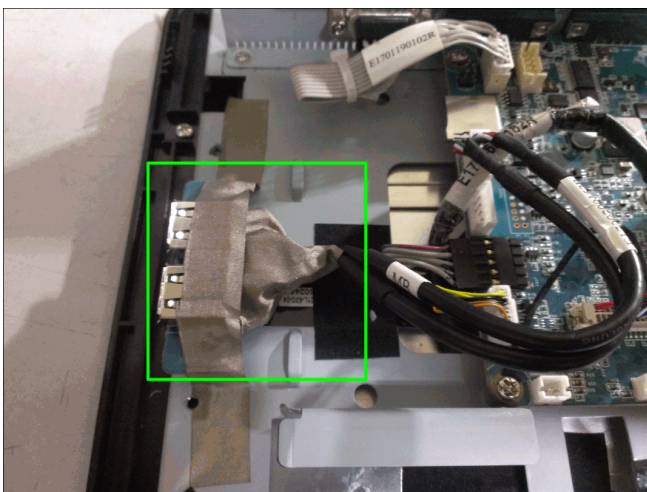
	Unit	Brand	Model	Notes
1	M/B	Avalue	ACP-IMX6POS	A1
2	CPU			
3	RAM			
4	HDD			
5	Panel			
6	Inverter			
7	Adaptor	FSP	FSP060-DBAE1	DC 12V / 5A
8	RF module			
9	Battery			

◆ Test condition:

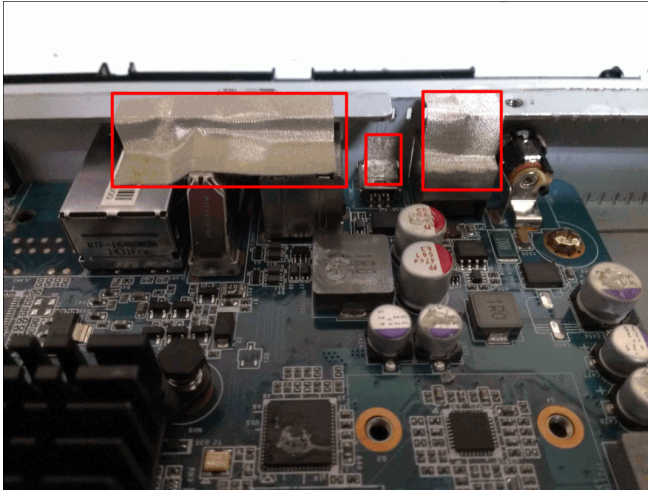


◆ Solution:

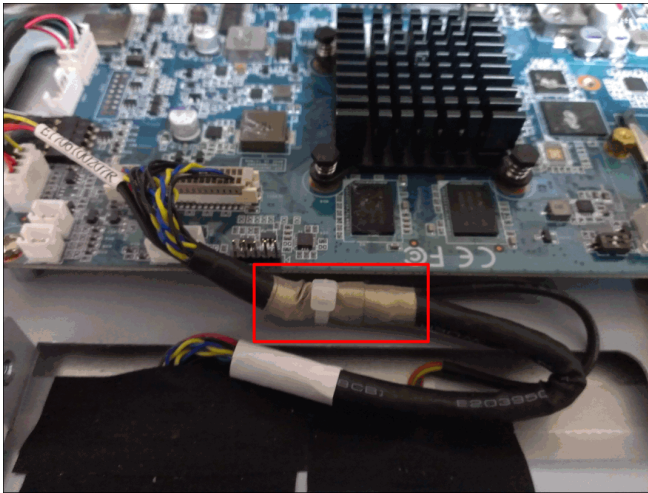
1. 側邊 USB 對策



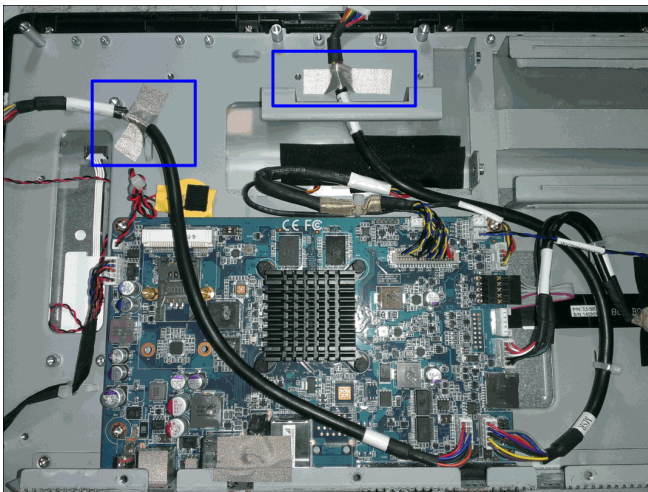
2. 所有 I/O Connector 加貼導電布搭接機殼



3. LVDS Cable 露出 Shielding 搭接機殼



4. 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: RITY15R

Polarization: Vertical

Power AC 110V/60Hz

Date: 2015/3/10

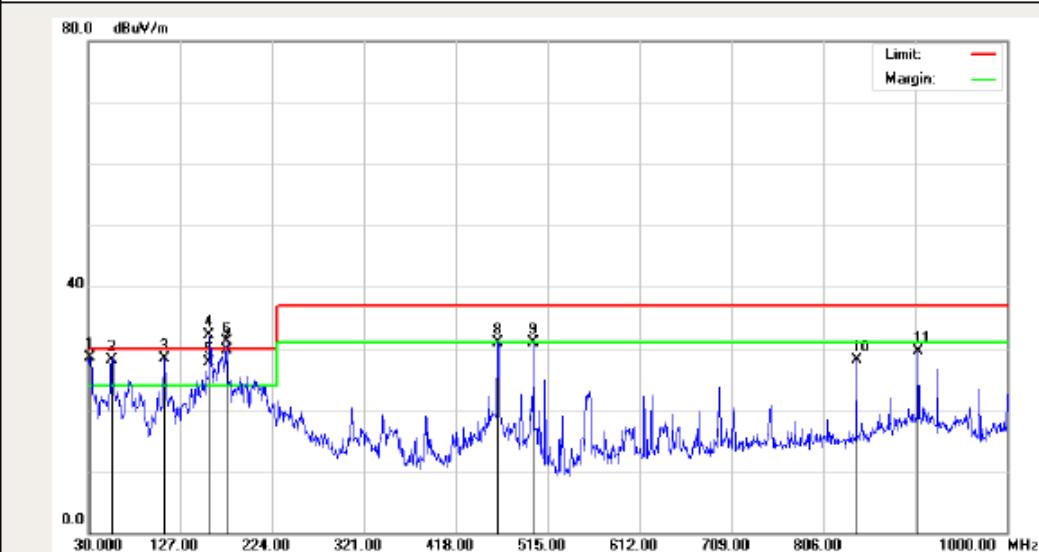
Time: 下午 04:12:12

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	31.9400	46.64	-18.07	28.57	30.00	-1.43	peak			P	
2	55.2200	53.43	-25.23	28.20	30.00	-1.80	peak			P	
3	110.5100	47.24	-18.94	28.30	30.00	-1.70	peak			P	
4	158.0399	49.51	-17.48	32.03	30.00	2.03	peak			F	
5	158.0399	45.10	-17.48	27.62	30.00	-2.38	QP			P	
6	176.4700	48.34	-17.19	31.15	30.00	1.15	peak			F	
7	176.4700	46.90	-17.19	29.71	30.00	-0.29	QP			P	
8	462.6200	47.62	-16.75	30.87	37.00	-6.13	peak			P	
9	500.4500	46.08	-15.23	30.85	37.00	-6.15	peak			P	
10	840.9200	38.13	-10.12	28.01	37.00	-8.99	peak			P	
11	905.9100	36.59	-7.17	29.42	37.00	-7.58	peak			P	



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: RITY15R

Polarization: Horizontal

Power AC 110V/60Hz

Date: 2015/3/10

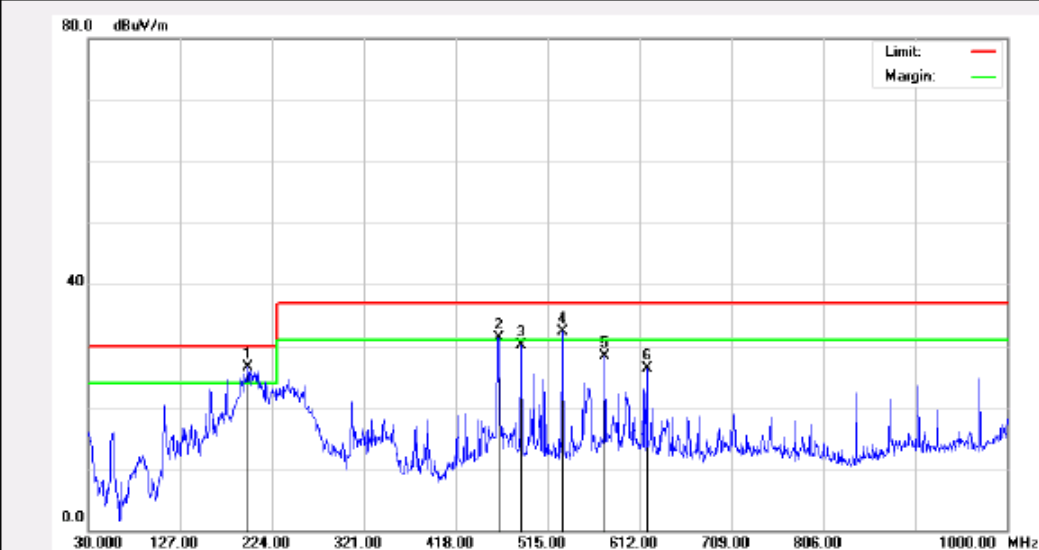
Time: 下午 04:22:44

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	198.7800	49.14	-22.72	26.42	30.00	-3.58	peak			P	
2	463.5900	45.91	-14.66	31.25	37.00	-5.75	peak			P	
3	486.8700	44.33	-14.16	30.17	37.00	-6.83	peak			P	
4	530.5200	46.37	-14.13	32.24	37.00	-4.76	peak			P	
5	575.1400	40.94	-12.68	28.26	37.00	-8.74	peak			P	
6	619.7600	39.03	-12.65	26.38	37.00	-10.62	peak			P	