



EMC Test Report

Model name: RITY8R1

Initiated by	Daniel Chou	Originate Date	2014/09/26
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:

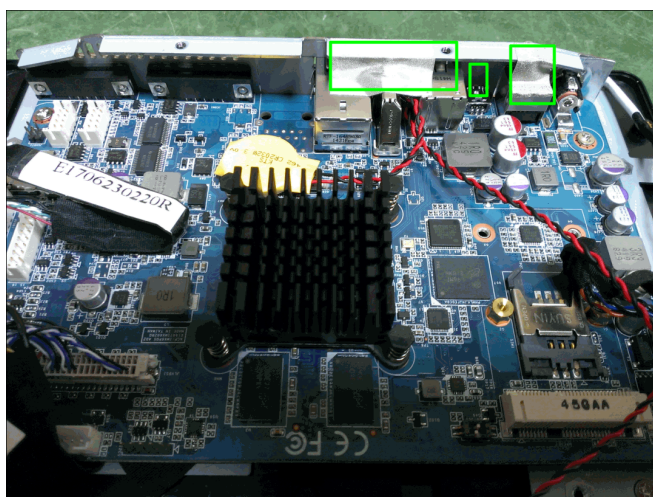
	Unit	Brand	Model	Notes
1	M/B	Avalue	ACP-IMX6POS	A02
2	CPU			
3	RAM			
4	HDD			
5	Panel			
6	Inverter			
7	Adaptor	FSP	FSP060-DBAE1	DC 12V / 5A
8	RF module			
9	Battery			

◆ Test condition:

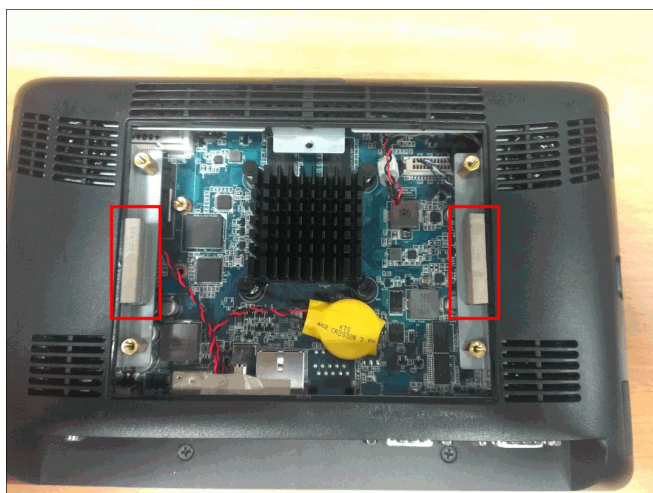


◆ Solution:

1. LAN、HDMI、USB、OTG、RJ11 Connector 加貼導電布搭接機殼



2. SINK 位置加貼 Gasket 搭接機殼



◆ Test Data:

BTL

BTL Inc.
In the past

B1, No. 37, Lane 365, Yang-Kuang St., Nei-Hu Dis., Taipei City 114, Taiwan
Tel: 02-2657-3299 Fax: 02-2657-3331 www.newbtl.com

Site CB03

Polarization: **Vertical**

Temperature: 26 °C

Limit: CISPR22 ClassB 10M Radiation

Power: AC 110V/60Hz

Humidity: 57 %

EUT:

Distance: 10m

M/N: RITY8R1

Mode: FULL SYSTEM

Note: LAN MODE, LAN*1 + COM*2 + USB K/M + MINI USB*1(OTG設定用) + DISPLAY*1 + C/D

Radiated Emission Measurement

File :RITY8R1

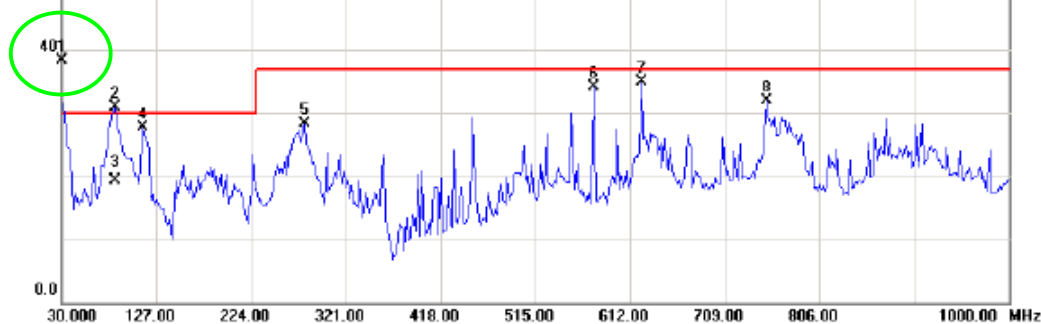
Data :#9

Date: 2014/9/25

Time: 18:11:55

80.0 dBuV/m

場地周邊



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	30.0000	62.29	-24.05	38.24	30.00	8.24	peak	
2	X	84.3200	59.83	-28.90	30.93	30.00	0.93	peak	
3		84.3200	48.24	-28.90	19.34	30.00	-10.66	QP	
4		113.4200	59.25	-31.54	27.71	30.00	-2.29	peak	
5		278.3200	49.98	-21.70	28.28	37.00	-8.72	peak	
6		575.1400	50.61	-16.53	34.08	37.00	-2.92	peak	
7		623.6400	49.03	-14.21	34.82	37.00	-2.18	peak	
8		751.6800	41.38	-9.56	31.82	37.00	-5.18	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :RITY8R1\Data :#9

Page: 1

Engineer Signature:

BORIS



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to the last

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Site CB03

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Radiated Emission Measurement

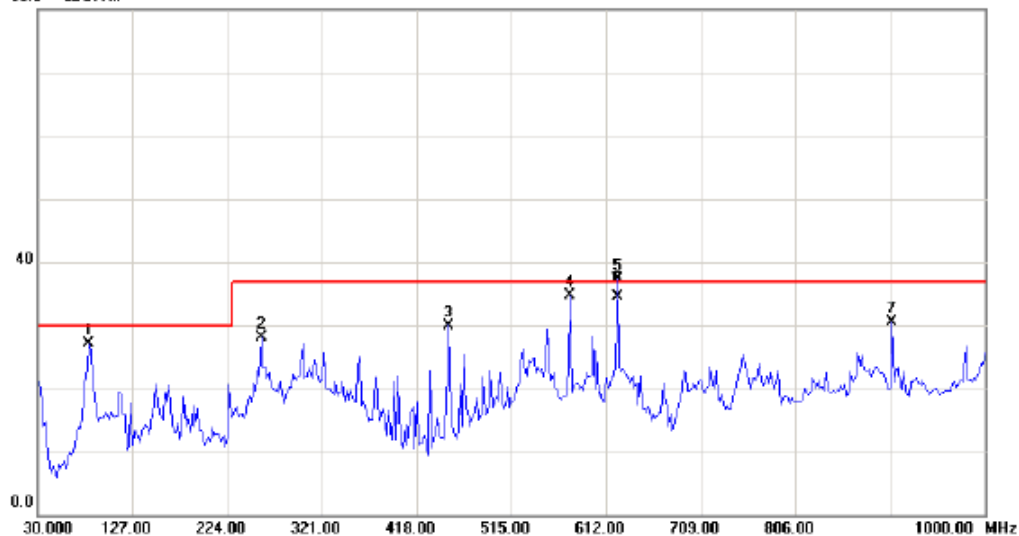
File :RITY8R1

Data :#10

Date: 2014/9/25

Time: 18:14:03

80.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		82.3800	60.72	-33.61	27.11	30.00	-2.89	peak	
2		258.9200	48.54	-20.48	28.06	37.00	-8.94	peak	
3		450.9800	50.39	-20.39	30.00	37.00	-7.00	peak	
4		575.1400	47.37	-12.70	34.67	37.00	-2.33	peak	
5	*	623.6400	49.41	-12.06	37.35	37.00	0.35	peak	
6		623.6400	46.50	-12.06	34.44	37.00	-2.56	QP	
7		904.9400	42.16	-11.65	30.51	37.00	-6.49	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :RITY8R1\Data :#10

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Engineer Signature:

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