



EMC Test Report

Model name: RITY10R1

Initiated by	Daniel Chou	Originate Date	2014/12/31
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:

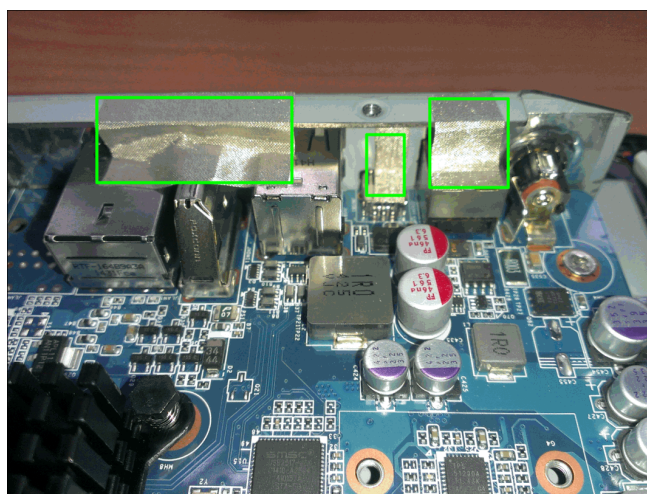
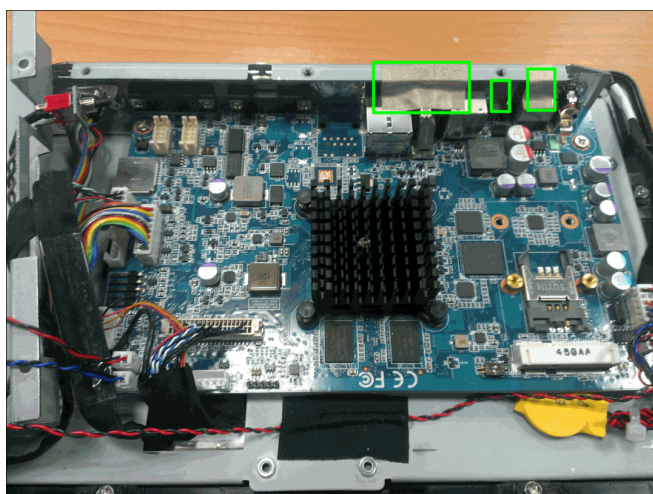
	Unit	Brand	Model	Notes
1	M/B	Avalue	ACP-IMX6POS	A02
2	CPU			
3	RAM			
4	HDD			
5	Panel			
6	Inverter			
7	Adaptor	FSP	FSP060-DBAE1	DC 12V / 5A
8	RF module			
9	Battery			

◆ 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:

1. “H” Mode



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 :20141230-安勤-966

Standard: CISPR22 ClassB 10M Radiation

Test item: Radiation Test

Company: 安勤

Trade Name:

Model: RITY-10R1

Polarization: Vertical

Power AC 110V/60Hz

Date: 2014/12/30

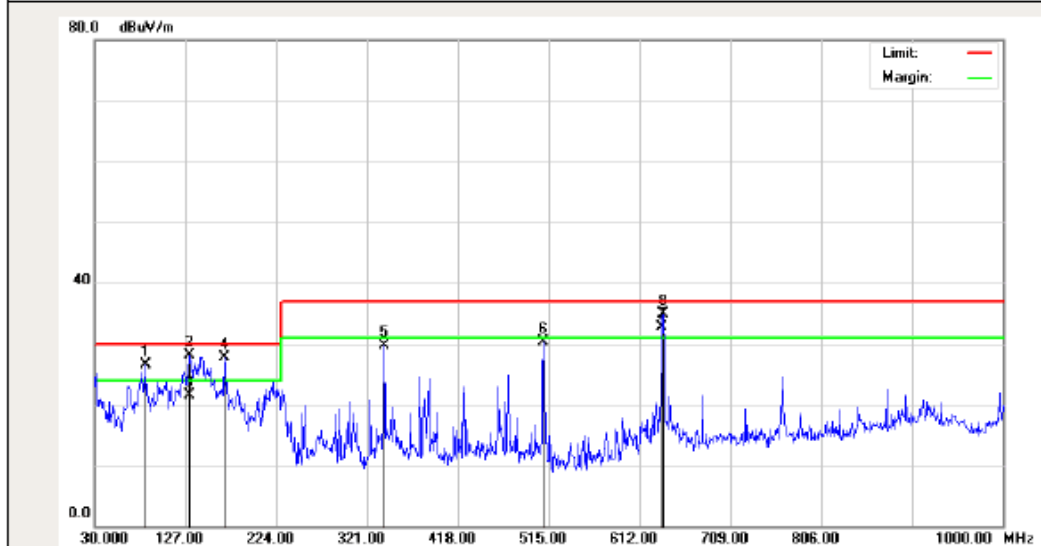
Time: 下午 02:25:39

Temp.(°C)/Hum.(%): 26 °C / 60 %

Engineer ALEE

Test Mode/Description:

Remark: "H" MODE



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (°)	P/F	Remark
1	84.3200	50.40	-23.84	26.56	30.00	-3.44	peak			P	
2	131.8500	49.33	-21.25	28.08	30.00	-1.92	peak			P	
3	131.8500	42.70	-21.25	21.45	30.00	-8.55	QP			P	
4	168.7100	44.42	-16.68	27.74	30.00	-2.26	peak			P	
5	339.4300	49.00	-19.26	29.74	37.00	-7.26	peak			P	
6	509.1800	46.02	-15.73	30.29	37.00	-6.71	peak			P	
7	636.3800	45.70	-13.03	32.67	37.00	-4.33	QP			P	
8	637.2199	48.01	-13.04	34.97	37.00	-2.03	peak			P	



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Standard: CISPR22 ClassB 10M Radiation

Test item: Radiation Test

Company: 安勤

Trade Name:

Model: RITY-10R1

Polarization: Horizontal

Power AC 110V/60Hz

Date: 2014/12/30

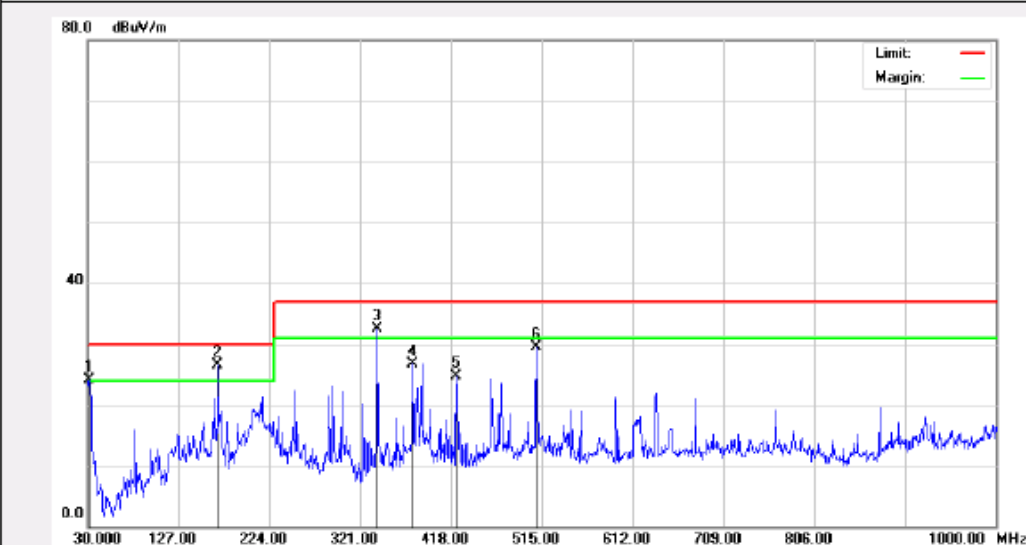
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Temp.(°C)/Hum.(%): 26 °C / 60 %

Engineer ALEE

Test Mode/Description:

Remark: "H" MODE



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	41.50	-17.49	24.01	30.00	-5.99	peak			P	
2	169.6799	50.54	-24.01	26.53	30.00	-3.47	peak			P	
3	339.4300	52.84	-20.31	32.53	37.00	-4.47	peak			P	
4	377.2600	45.76	-19.10	26.66	37.00	-10.34	peak			P	
5	423.8200	41.65	-16.98	24.67	37.00	-12.33	peak			P	
6	509.1800	43.35	-13.88	29.47	37.00	-7.53	peak			P	

2. Lan Mode



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Standard: CISPR22 ClassB 10M Radiation

Test item: Radiation Test

Company: 安勤

Trade Name:

Model: RITY-10R1

Polarization: Vertical

Power AC 110V/60Hz

Date: 2014/12/30

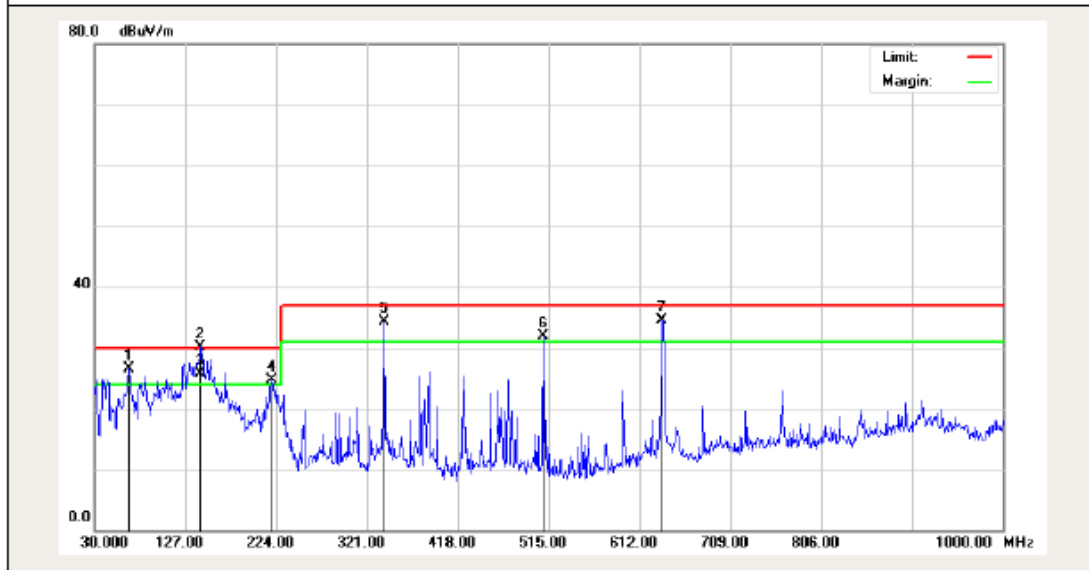
Time: 下午 02:17:58

Temp.(°C)/Hum.(%): 26 °C / 60 %

Engineer ALEE

Test Mode/Description:

Remark: LAN MODE



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (°)	P/F	Remark
1	66.8600	50.27	-23.83	26.44	30.00	-3.56	peak			P	
2	143.4900	50.16	-20.10	30.06	30.00	0.06	peak			F	
3	143.4900	45.80	-20.10	25.70	30.00	-4.30	QP			P	
4	219.1500	43.79	-19.16	24.63	30.00	-5.37	peak			P	
5	339.4300	53.63	-19.26	34.37	37.00	-2.63	peak			P	
6	509.1800	47.58	-15.73	31.85	37.00	-5.15	peak			P	
7	636.2500	47.61	-13.02	34.59	37.00	-2.41	peak			P	



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Test item: Radiation Test

Company: 安勤

Trade Name:

Model: RITY-10R1

Polarization: Horizontal

Power AC 110V/60Hz

Date: 2014/12/30

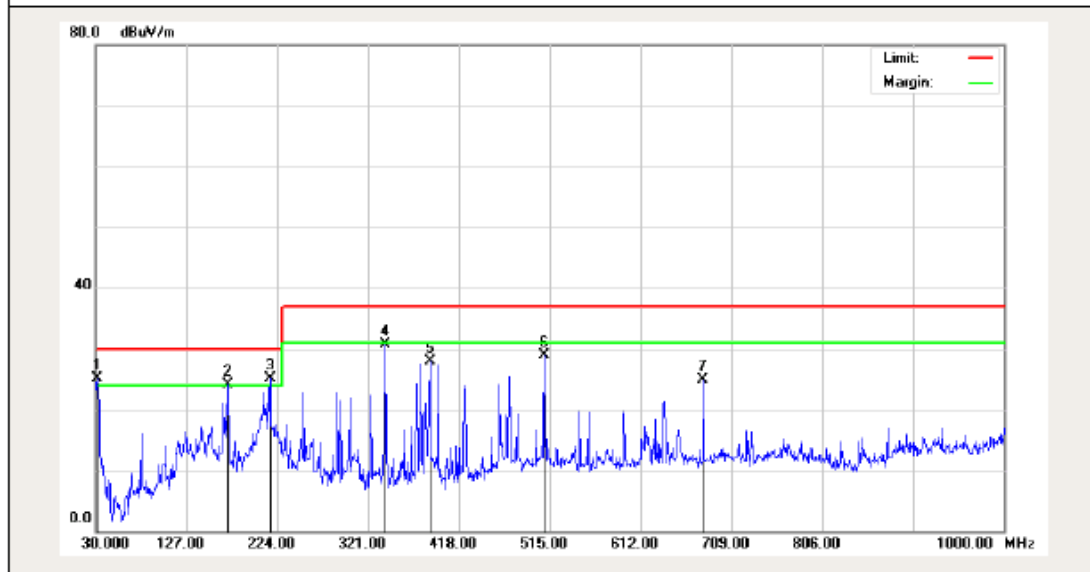
Time: 下午 02:16:33

Temp.(°C)/Hum.(%): 26 °C / 60 %

Engineer ALEE

Test Mode/Description:

Remark: LAN MODE



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	42.64	-17.49	25.15	30.00	-4.85	peak			P	
2	171.6200	48.26	-24.14	24.12	30.00	-5.88	peak			P	
3	216.2400	48.82	-23.64	25.18	30.00	-4.82	peak			P	
4	339.4300	51.02	-20.31	30.71	37.00	-6.29	peak			P	
5	386.9600	47.02	-19.05	27.97	37.00	-9.03	peak			P	
6	509.1800	42.73	-13.88	28.85	37.00	-8.15	peak			P	
7	678.9300	38.04	-13.15	24.89	37.00	-12.11	peak			P	