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PROJECT TITLE	CO2 INCUBATOR EMC TESTING
PRODUCT CATEGORY	LABORATORY EQUIPMENT
PRODUCT DESCRIPTION	CO2 INCUBATOR
REGULATORY MODEL NUMBER	CCL - NNNX - N - X - XX CLM - NNNX - N - X - XX

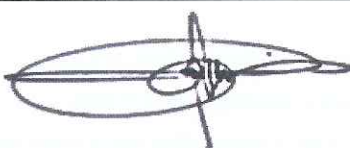

TEST STANDARDS	EN 61326-1 : 2013 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2008 CISPR11:2009+A1:2010 EN 61000-4-2:2009 EN 61000-4-3:2006+A1:2008+A2:2010 EN 61000-4-4:2004 + A1:2010 EN 61000-4-5:2006 EN 61000-4-6:2009 EN 61000-4-8: 2010 EN 61000-4-11:2004
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TEST LABORATORY & ADDRESS

UL INTERNATIONAL-SINGAPORE PTE LTD
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SINGLAS REGISTRATION	LA-2009-0450-E	FCC REGISTRATION	600804
VCCI REGISTRATION	<ul style="list-style-type: none"> • R-4163 (RE ≤1GHz) • C-4564 (CE-MAINS) 	<ul style="list-style-type: none"> • G-846 (RE ≥1GHz) • T-2147 (CE-TELECOM) 	

RECEIPT OF EUTs	20 NOV 2015	TEST PERIOD	23 – 29 NOV 2015
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PREPARED BY	APPROVED BY
	
RONE ESPINOSA EMC ENGINEER	DAMIEN ONG SAC-SINGLAS Signatory

This report shall not be reproduced, except in full, without the written approval to the Laboratory. The results in this report apply only to the test sample(s) specified and at the time of testing period only. The results are not to be used to indicate applicability to other similar products.

The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council-Singapore Laboratory Accreditation Scheme.





STATEMENT OF TEST RESULTS (EMISSION)

ELECTROMAGNETIC INTERFERENCE TEST

Test	Standard	Class	Model No.	Serial No.	Pass / Fail
Harmonic Current Emission	EN 61000-3-2:2006+A1:2009+A2:2009	CLASS A	CCL-240T-8-P-UV	2015-104356	PASS
Voltage Fluctuations & Flicker Emission	EN 61000-3-3:2008	N/A	CCL-240T-8-P-UV	2015-104356	PASS
Radiated Emission	CISPR11:2009+A1:2010	CLASS B	CCL-240T-8-P-UV	2015-104356	PASS
Conducted Emission	CISPR11:2009+A1:2010	CLASS B	CCL-240T-8-P-UV	2015-104356	PASS

The EUT complies with the requirements of the above test standards

MEASUREMENT UNCERTAINTY (EMISSION)

The uncertainty of the harmonics measurement at a confidence level of approximately 95% is 7.1%.

The uncertainty of the flickers measurement at a confidence level of approximately 95% is 7.66%.

The uncertainty of the radiated measurement at a confidence level of approximately 95% with a coverage factor of 2 in the range 30 MHz to 1 GHz is ± 4.2 dB.

The uncertainty of the radiated measurement at a confidence level of approximately 95% with a coverage factor of 2 in the range 1 GHz to 18 GHz is ± 5.22 dB.

The uncertainty of the conducted measurement at a confidence level of approximately 95% with a coverage factor of 2 in the range 150 kHz to 30 kHz is ± 2.94 dB.



**STATEMENT OF TEST RESULTS (IMMUNITY)
ELECTROMAGNETIC SUSCEPTIBILITY TEST**

Test	Standard	Criterion	Model No.	Serial No.	Pass / Fail
Electrostatic Discharge	EN 61000-4-2:2009	B	CCL-240T-8-P-UV	2015-104356	PASS
Radiated Immunity	EN 61000-4-3:2006 +A1:2008+A2:2010	A	CCL-240T-8-P-UV	2015-104356	PASS
Electrical Fast Transients	EN 61000-4-4:2004 + A1:2010	B	CCL-240T-8-P-UV	2015-104356	PASS
Surge Immunity	EN 61000-4-5:2006	B	CCL-240T-8-P-UV	2015-104356	PASS
Conducted Immunity	EN 61000-4-6:2009	A	CCL-240T-8-P-UV	2015-104356	PASS
Magnetic Immunity	EN 61000-4-8: 2010	A	CCL-240T-8-P-UV	2015-104356	PASS
Voltage Dips/Interrupts Immunity	EN 61000-4-11:2004	0% Half Cycle B 0% 1 Cycle B 70% 25/30Cycles C	CCL-240T-8-P-UV	2015-104356	PASS

The EUT complies with the requirements of the above test standards. For more information on the performance and the specific pass / fail criteria, refer to the test details section later in this report.

MEASUREMENT UNCERTAINTY (IMMUNITY)

For each of the immunity tests listed in the above table, it was demonstrated that the tests meets the specified requirements in the standard, estimated at the level of twice the standard deviation (corresponding in the case of normal distribution to a confidence level of 95%).

