



Test Report for CE

Report Number	ESTECE1702-001			
Applicant	Company Name	Corrupad Korea Co., Ltd.		
	Address	348, Wonam-ro, Namsa-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do Korea		
	Contact Person	Hyun Soo Kang		
	Factory address	348, Wonam-ro, Namsa-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do Korea		
Product	Product type	Food Dehydrator		
	Model No.	SD-X9YZ0	Manufacturer	Corrupad Korea Co., Ltd.
	Serial No.	NONE	Country of origin	KOREA
Other	Receipt Date	26-Jan-17	Receipt Number	ESTE-17-01123
	Issued Date	6-Feb-17	Tested Date	31-Jan-17 ~ 1-Feb-17
Test Result	Complied			
Standard	EMI Standard		EMS Standard	
	EN 55014-1:2006+A1:2009+A2:2011 EN 61000-3-2:2014 EN 61000-3-3:2013		EN 55014-2:1997 +A1:2001+A2:2008(Category II) EN 61000-4-2:2009 EN 61000-4-4:2012 EN 61000-4-5:2014 EN 61000-4-6:2014 EN 61000-4-11:2004	
Tested by	S.S. An / Senior Engineer		(Signature)	
Approved by	J.M.Yang / Engineering Manager		(Signature)	
ESTECH CO., LTD.				
347-69, Jungbu-daero 147beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do 467-811, R. O. Korea. Tel:82-31-631-8037, Fax:82-31-631-8039				
* Note				
<ul style="list-style-type: none"> o This is certified that the above mentioned products have been tested for the sample provided by client. o No part of this document may not be duplicated or reproduced by any means without the express written permission of Estech Co., Ltd. 				

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1. Laboratory Information

1.1 General

This EUT (Equipment Under Test) has been shown to be capable of compliance with the applicable technical standards and tested in accordance with the measurement procedures as indicated in this report ESTECH Lab attests to accuracy of test data. All measurement reported herein were performed by ESTECH Co., Ltd.

ESTECH Lab. assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

1.2 Test lab.

Corporation Name : ESTECH Co., Ltd.

Head Office : Suite 1015 World Meridian II, 123 Gasan Digital 2-ro,
Geumcheon-gu, Seoul 153-759, R. O. Korea

EMC Test Lab. : 347-69, Jungbu-daero 147beon-gil, Majang-myeon, Icheon-si,
Gyeonggi-do 467-811, R. O. Korea

1.3 Registration Information

Our Test lab has worked test lab system by ISO/IEC 17025:2005 and was registered the follows certification body

MSIP : Granted Accreditation from Ministry of Information & Communication for EMC, Safety and Telecom.

KOLAS : Granted Accreditation from Ministry of commerce, Industry & Energy for EMC, Safety and Telecom

EK : Granted Accreditation from Ministry of commerce, Industry & Energy for Safety

FCC : Filed Laboratory at Federal Communications Commission

VCCI : Granted Accreditation from Voluntary Control Council for Interference by Information Technology Equipment

2. Description of EUT

2.1 Summary of Equipment Under Test

- “ EUT Name : Food Dehydrator
- “ Model Number : SD-X9YZ0
- “ Serial Number : NONE
- “ Manufacturer : Corrupad Korea Co., Ltd.
- “ Country of origi : KOREA
- “ Testing Voltage : AC 230 V, 50 Hz
- “ Power Rating : AC (220 ~ 240) V, (50 / 60) Hz

*Specification(s)

Product name:	Sedona Dehydrator
Power:	120Vac, 60Hz, 600W for the USA and Canada 220-240Vac, 50/60Hz, 550-650W for European and Asian countries
Size:	433mm(W) x 370mm(H) x 500mm(D) 17.05in(W) x 14.6in(H) x 19.7in(D)

Description for X,Y,Z of model number:

X : P or S for tray Material

Y : 0 to 1 for Door Handle & Control Panel Components

Z : 0, 1, 5 or 7 for optional function

3. Measurement Condition

3.1 EUT Operation.

- The EUT was in the following operation mode during all testing

1. Turn on power

3.2 Monitoring method during the immunity measurements.

1. Check control button.
2. Check normal operation.

3.3 Cable Connecting

Start Equipment		End Equipment		Cable		Remark
Name	I/O port	Name	I/O port	Length	Shielded	
Food Dehydrator	POWER	CVCF	-	1.5	Unshielded	

3.4 EUT Configurations

Equipment Name	Model Name	S/N	Manufacturer	Remark (CE ID)
Food Dehydrator	SD-X9YZ0	NONE	Corrupad Korea Co., Ltd.	E.U.T

4. Electromagnetic Interference Test

4.1 Conducted emission test

The continuous disturbance voltage of AC Mains in the frequency from 0.15 MHz to 30 MHz was measured in accordance to EN 55014-1:2006+A1:2009+A2:2011. The test setup was made according to EN 55014-1:2006+A1:2009+A2:2011 in a shielded room. The EUT was placed on a non-conductive table at least 0.8 m above the ground plane. A grounded vertical reference plane was positioned in a distance of 0.4 m from the EUT. The distance from the EUT to other metal surfaces was at least 0.8 m. The EUT was only earthen by its power cord through the line impedance stabilizing network. The power cord has been bundled to a length of 1.0 m.

4.1.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
Pulse Limiter	ESH3-Z2	ROHDE & SCHWARZ	NONE	14-Nov-17
TEST Receiver	ESPI	ROHDE & SCHWARZ	100005	14-Nov-17
LISN	ESH3-Z5	ROHDE & SCHWARZ	836679/025	14-Nov-17

4.1.2 Environmental conditions

Section	Temperature (°C)	Humidity (% R.H.)
Conducted emission	20.4	50.2
Test Place	Shielded Room	

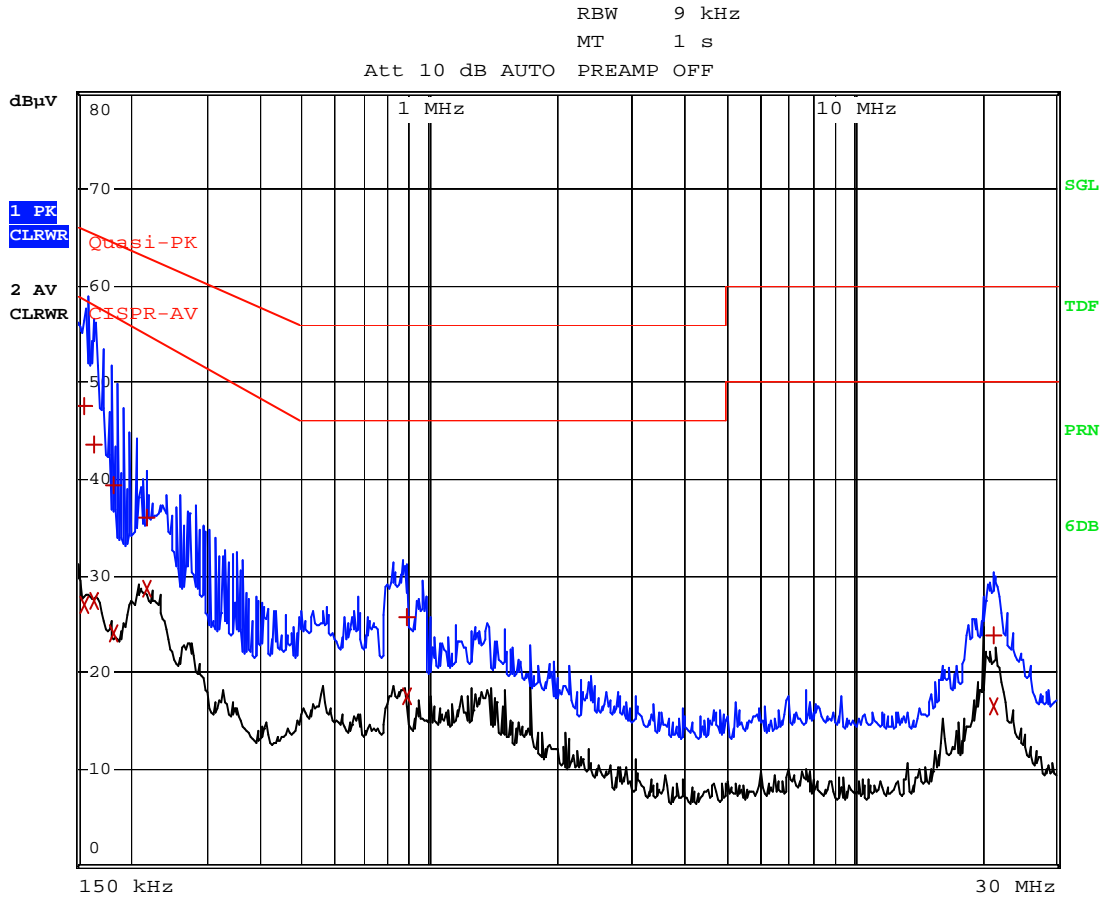
4.1.3 Test data

Test Date : 31-Jan-17

Frequency (MHz)	Correction Factor (dB)		Line (H/N)	Quasi-peak Value (dBuV)			Cispr-Average Value (dBuV)		
	LISN	Cable etc.		Limit	Reading	Result	Limit	Reading	Result
0.16	0.09	0.12	N	65.67	52.67	52.88	58.58		
0.17	0.09	0.12	N	65.06	49.05	49.26	57.78		
0.18	0.16	0.13	H	64.35	39.45	39.74	56.85		
0.19	0.09	0.13	N	64.21	43.45	43.67	56.68		
0.21	0.09	0.13	N	63.09	35.83	36.05	55.21		
0.22	0.16	0.13	H	62.97	36.10	36.39	55.06		
Remark	*Result Value=Reading+Correction Factor *Correction Factor=LISN factor+Cable loss								

4.1.4 Special Diagram

◆ Hot Line



Comment: ESTE-17-01123_HOT
Date: 31.JAN.2017 10:27:38



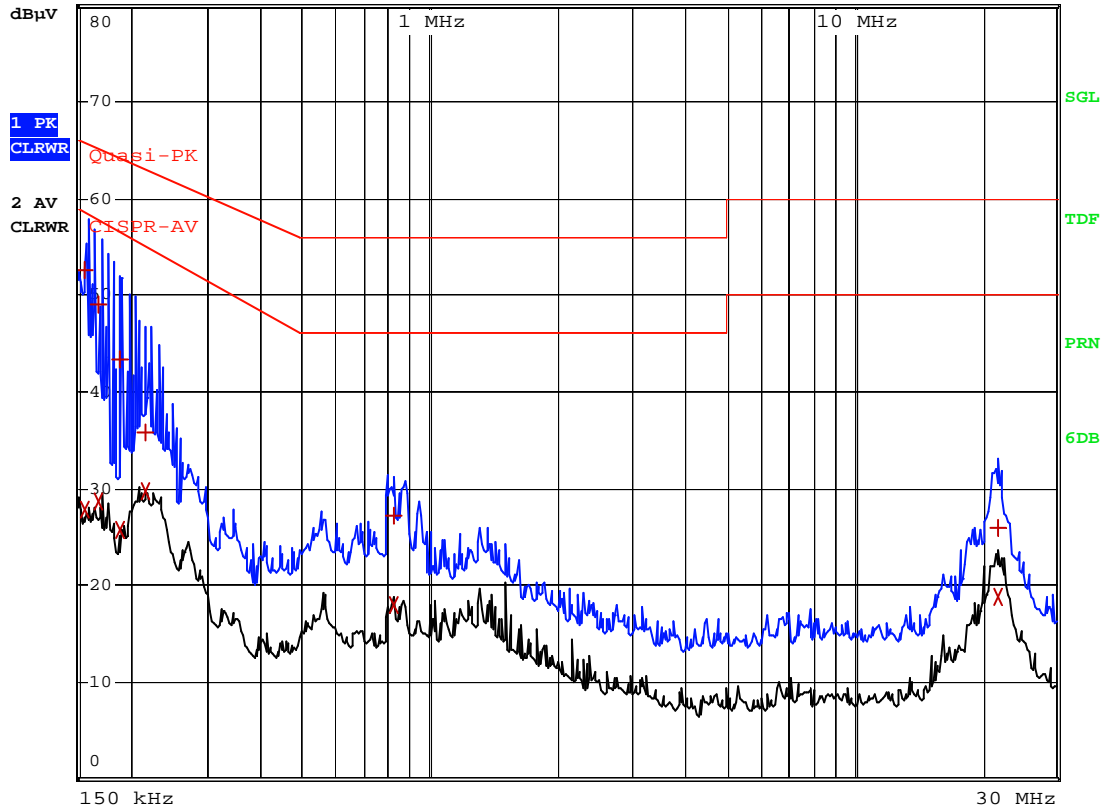
◆ - Neutral Line



RBW 9 kHz

MT 1 s

Att 10 dB AUTO PREAMP OFF



Comment: ESTE-17-01123_NEUTRAL
Date: 31.JAN.2017 10:31:38

◆ Setup for Conducted Test : 0.15 MHz ~ 30 MHz

[Front]



[Rear]



4.2 Discontinuous disturbance

4.2.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
Discontinuous Interference Analyser	DIA1512D	SCHAFFNER	5239	3-Nov-17
LISN	ESH3-Z5	ROHDE & SCHWARZ	836679/025	14-Nov-17

4.2.2 Environmental conditions

Section	Temperature (°C)	Humidity (% R.H.)
Discontinuous disturbance	20.5	50.4
Test Place	Shielded Room	

4.2.3 Test data

Test Date : 31-Jan-17

Discontinuous Interference Tests
Apparatus Code: ESTE-17-01123

RUN A: January 31, 2017: 06.30 PM

Run Duration: 120 mins 0 secs

Duration limit: 120 mins

Continucus limit: 0.600 secs

Click limit: 40

Channel no:	1	2	3	4	5	6
	150kHz	500kHz	1.4MHz	30MHz		
Sensitivity (dBuV):	66	56	56	60		
Short Clicks:	0	0	0	0		
Long Clicks:	0	0	0	0		
Total:	0	0	0	0		

Click Rate: 0.00 0.00 0.00 0.00

Continuous(s): 0.00 0.00 0.00 0.00

Apparatus Passes (subject to exceptions)

Click rate not > 5 and no long clicks.

Run time limit reached



◆ Setup Figure



4.3 Disturbance Power test - N/A

The appliance to be tested is placed on a non-metallic table at least 0.4 m from other metallic objects and the lead to be measured on is stretched in a straight line for a distance sufficient to accommodate the absorbing clamp, and to permit the necessary measuring adjustment of position for tuning.

The clamp is placed around the lead so as to measure a quantity proportional to the disturbance power on the lead.

The absorbing clamp is positioned for maximum indication at each test frequency ; the clamp shall be moved along the lead until the maximum value is found between a position adjacent to the appliance and a distance of about a half-wavelength from it. EUT during the test are noted in the following test records

4.3.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
Absorbing clamp	F-201-32mm	FCC	365	2-Jun-17
TEST Receiver	ESPI	Rohde & Schwarz	100185	14-Nov-17

4.3.2 Environmental conditions

Section	Temperature (°C)	Humidity (% R.H.)
Disturbance Power		
Test Place	10 m Semi-Anechoic Chamber	



4.3.3 Test data - N/A

Test Date :

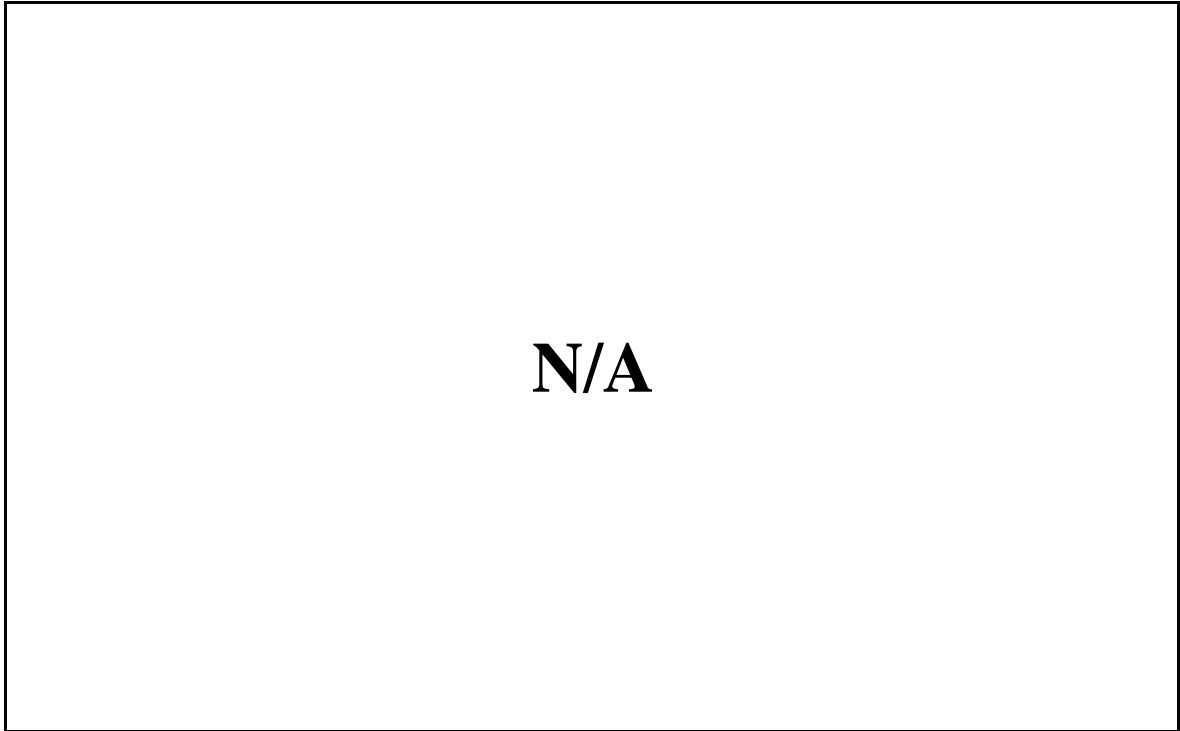
Frequency (MHz)	Reading (dBuV)		Correction Factor		Limit (dBpW)		Result (dBpW)		Remark
	QP	AV	Clamp	CL	QP	AV	QP	AV	
Remark	* Result = Reading+Clamp Factor + Cable Loss -17(dBpW)								

4.3.4 Special Diagram

N/A



◆ Setup for Radiated Test : (30 ~ 300) MHz



4.4 Measurement of radiated emission

In the range 30 MHz to 1 GHz Electric Field strength was measured in accordance with EN 55014-1:2006+A1:2009+A2:2011 The test setup was made according to EN 55014-1:2006+A1:2009+A2:2011 on an 10 m Semi-Anechoic Chamber, which allows a 10 m distance measurement. The height of this table was 0.8 m. The measurement was conducted with both horizontal and vertical antenna polarization. The turntable has fully rotated. For further description of the configuration refer to the picture of the test setup.

4.4.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
TEST Receiver	ESCI7	ROHDE & SCHWARZ	100916	7-Dec-16
Logbicon Antenna	VULB 9168	SCHWARZBECK	237	13-May-18
Turn Table	DT3000-2t	Innco System GmbH	N/A	N/A
Antenna Mast	MA4000-EP	Innco System GmbH	N/A	N/A
Antenna Master & Turn table controller	CO2000-P	Innco System GmbH	CO2000/641 /28051111/L	N/A

4.4.2 Environmental conditions

Section	Temperature (°C)	Humidity (% R.H.)
Radiated emission	20.6	50.8
Test Place	10 m Semi-Anechoic Chamber	

4.4.3 Test data

Test Date : 31-Jan-17

Frequency [MHz]	Reading [dBUV]	Position [V/H]	Height [m]	Correction Factor		Result Value [dBUV/m]		Margin [dB]
				Antenna [dB/m]	Cable etc. [dB]	Limit	Result	
152.20	7.46	V	1.0	13.12	1.95	30.00	22.53	7.47
168.30	8.96	V	1.0	12.87	2.05	30.00	23.88	6.12
184.40	8.61	H	4.0	11.23	2.15	30.00	21.99	8.01
200.50	13.14	H	4.0	10.09	2.24	30.00	25.47	4.53
208.50	10.76	V	1.0	9.93	2.29	30.00	22.98	7.02
288.70	7.01	H	4.0	13.19	2.71	37.00	22.91	14.09
Remark	H : Horizontal, V : Vertical Result Value = Reading + Antenna + Cable loss *The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection							



◆ Setup for Radiated Test

[Front]



[Rear]



4.5 Limits concerning harmonic current test

The harmonics on AC Mains in the frequency from 0 to 2 kHz were measured in accordance to EN 61000-3-2:2014

The objective of this standard is to set limits for harmonic emissions of equipment within its scope, so that, with due allowance for the emissions from other equipment, compliance with the limits ensures that harmonic disturbance do not exceed the compatibility levels defined in EN 61000-3-2.

For the purpose of harmonic current limitation, equipment is classified as follows.

Class A - Balanced three-phase equipment;

- : - Household appliances excluding equipment identified as Class D;
- Tools excluding portable tools;
- Dimmers for incandescent lamps;
- Audio equipment.

Equipment not specified in one of the three other classes shall be considered as Class A equipment.

Class B : - Portable tools;

- Arc welding equipment which is not professional equipment.

Class C : - Lighting equipment.

Class D Equipment having a specified power less than or equal to 600 W, of the following types:

- : - Personal computers and personal computer monitors;
- Television receivers.

4.5.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
Test System	PHF555	HAEFELY	080419-11	9-Sep-17
Harmonic & Flicker Test System	DPA 550N	EM Test AG	V1033107193	20-Sep-17

4.5.2 Environmental Conditions

Section	Temperature (°C)	Humidity (% R.H.)
Harmonic Test	21.9	50.6



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◆ Setup Figure





4.5.3 Test data

Test Date : 31-Jan-17

Test Report ISMDPA

Report title:	ESTE-17-01123
Company Name:	Corrupad Korea Co., Ltd.
Date of test:	18:45 31.Jan 2017
Measurement file name:	01123-HA.rsd
Tester:	S.S.AN
Standard used:	EN/IEC 61000-3-2 Ed.4 Short cyclic Equipment class A <= 200% of the limit
Observation time:	150s
Windows width:	10 periods - (EN/IEC 61000-4-7 Edition 2002 + A1:2008)
Customer:	
E. U. T.:	SD-X9YZ0
Temperature :	21.9
Humidity :	50.6

Test Result	
E. U. T.:	PASS
Power Source:	PASS

Average harmonic current results

Hn	I _{eff} [A]	% of Limit	Limit [A]	Result
1	7.637			
2	767.455E-6			
3	33.150E-3	1.601	2.07	PASS
4	852.846E-6			PASS
5	9.189E-3			PASS
6	814.744E-6			PASS
7	1.147E-3			PASS
8	843.528E-6			PASS
9	3.736E-3			PASS
10	675.444E-6			PASS
11	1.815E-3			PASS
12	670.886E-6			PASS
13	991.240E-6			PASS
14	633.877E-6			PASS
15	1.113E-3			PASS
16	707.148E-6			PASS
17	1.634E-3			PASS
18	735.073E-6			PASS
19	1.239E-3			PASS
20	662.736E-6			PASS
21	1.084E-3			PASS
22	808.259E-6			PASS
23	1.123E-3			PASS
24	663.281E-6			PASS
25	1.821E-3			PASS
26	720.459E-6			PASS
27	1.209E-3			PASS
28	652.315E-6			PASS
29	1.054E-3			PASS
30	697.229E-6			PASS
31	1.285E-3			PASS
32	707.582E-6			PASS
33	973.485E-6			PASS
34	643.402E-6			PASS
35	1.260E-3			PASS
36	679.365E-6			PASS
37	1.090E-3			PASS
38	740.662E-6			PASS
39	1.111E-3			PASS
40	807.138E-6			PASS

4.6 Limits Concerning Voltage Fluctuations & Flicker test

The voltage fluctuations on AC mains in the frequency range from 0 to 2 kHz were measured in accordance to EN 61000-3-3: 2013

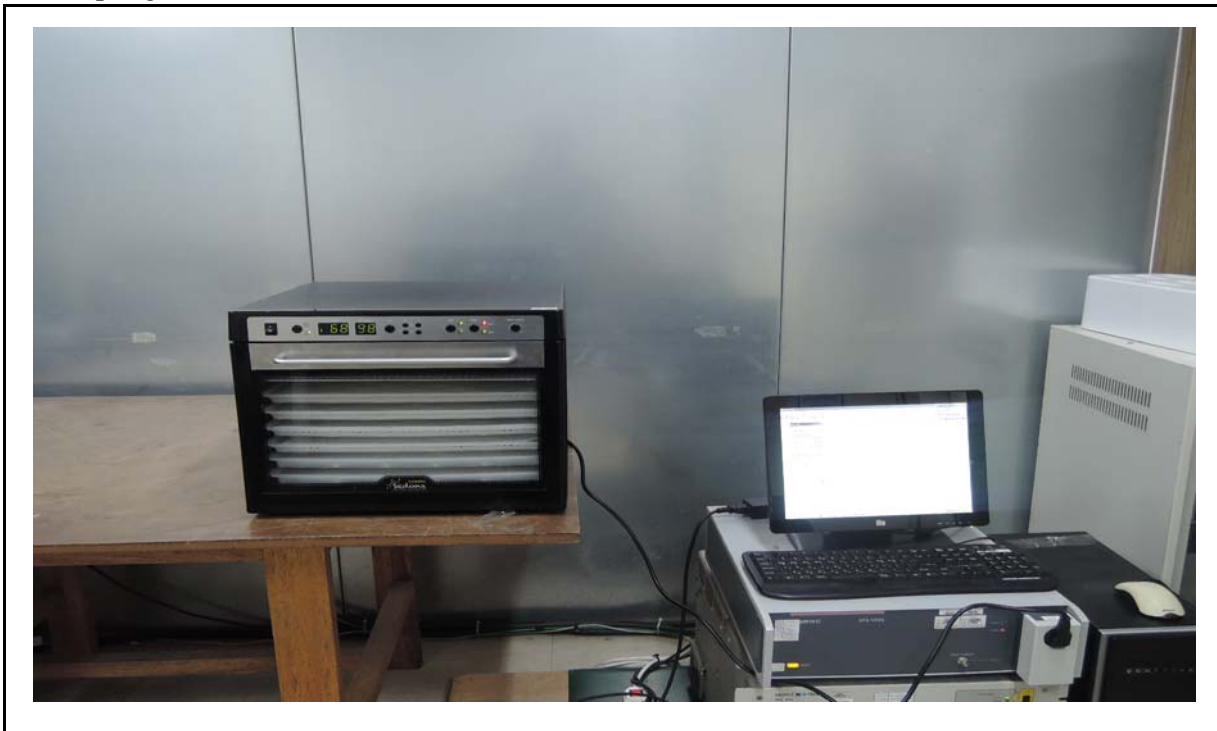
4.6.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
Test System	PHF555	HAEFELY	080419-11	9-Sep-17
Harmonic & Flicker Test System	DPA 550N	EM Test AG	V1033107193	20-Sep-17

4.6.2 Environmental Conditions

Section	Temperature (°C)	Humidity (% R.H.)
Flicker Test	21.8	50.9

◆ Setup Figure





4.6.3 Test data

Test Date : 31-Jan-17

Test Report ISMDPA

Report title:	ESTE-17-01123
Company Name:	Corupad Korea Co., Ltd.
Date of test:	16:27 31.Jan 2017
Tester:	S.S.AN
Standard used:	EN/IEC 61000-3-3 Ed.3 Flicker
Short time (Pst):	10 min
Observation time:	120 min (12 Flicker measurements)
Flickermeter:	230V / 50Hz according IEC 61000-4-15 Ed.2
Flicker Impedance:	Zref (IEC 60725)
Customer:	
E. U. T.:	SD-X9YZ0
Temperature :	21.8
Humidity :	50.9

Test Result	PASS
-------------	------

Maximum Flicker results

	EUT values	Limit	Result
Pst	0.158	1.00	PASS
Plt	0.071	0.65	PASS
dc [%]	0.566	3.30	PASS
dmax [%]	0.589	4.00	PASS
dt [s]	0.000	0.50	PASS

5. Electromagnetic Susceptibility Test

5.1 Electrostatic Discharge test

5.1.1 Test Standard

- Standard : EN 61000-4-2:2009
- Performance appraisal standard : B
- Energy storage capacitance : 150 pF ($\pm 10\%$)
- Discharge resistance : 330 Ω ($\pm 10\%$)
- Charging resistance : 50 M Ω (50 M Ω ~100 M Ω)
- Tolerance of the output voltage indication : $\pm 5\%$
- Polarity of the output voltage : Positive(+) and Negative(-)
- Holding time : at least 5 s
- Discharge, Mode of operation : Single discharge
- Interval discharge time : At least 1 s
- Repetition time : At least 200 discharges. 100 each at negative and positive polarity of four test points (a minimum of 50 discharges of each point)
 - At least 50 indirect discharge(contact) to the center of the front edge of the horizontal coupling plane
 - At least 200 indirect discharges shall be applied in the indirect mode use of the vertical conducting plane.

5.1.2 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
ESD Generator	PESD-1600	Haefely	H605105	21-May-17

5.1.3 Environmental Conditions

Temperature ($^{\circ}\text{C}$)	Humidity (% R.H.)	Pressure (kPa)
18.8	48.6	101.2

5.1.4 Test data

Test Date : 1-Feb-17

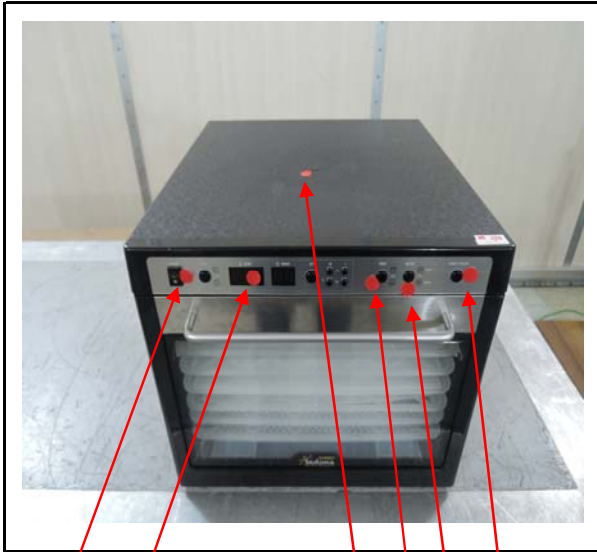
Point	Test Method	Test Voltage (+/-)	Criterion	Result	Remark
HCP	Horizontal Coupling	2,4 kV	B	A	
VCP	Vertical Coupling	2,4 kV	B	A	
1	Air discharge	2,4,8 kV	B	A	
2	Air discharge	2,4,8 kV	B	A	
3	Air discharge	2,4,8 kV	B	A	
4	Air discharge	2,4,8 kV	B	A	
5	Air discharge	2,4,8 kV	B	A	
6	Air discharge	2,4,8 kV	B	A	
7	Air discharge	2,4,8 kV	B	A	
8	Air discharge	2,4,8 kV	B	A	
9	Air discharge	2,4,8 kV	B	A	
Remark	BLUE LINE: Contact discharge,LED LINE:Air discharge				

◆ Setup Figure





◆ Test Point



1 5 6 4 2 3



7



8



9

- 1. The front power button part
- 3. The front start button part
- 5. The front LED part
- 7. The rear power port part

HCP: Indirect Discharge

- 2. The front mode button part
- 4. The front tray button part
- 6. The front cover part
- 8. The left cover part

VCP : Indirect Discharge

5.2 Radiated Electromagnetic Fields test - N/A

5.2.1 Test Standard

- Standard : EN 61000-4-3:2006+A1:2008+A2:2010
- Criterion standard : A
- Frequency Range : 80 MHz ~ 1000 MHz
- Test Angle : 0°, 90°, 180°, 270°
- Sweep Capability : 1.5×10^{-3} decade/s
- Step Size : 1% of Fundamental
- Antenna Polarity : Horizontally/Vertically
- Measurement Distance : 3 m
- Modulation : AM 80% with 1 kHz sine wave
- Dwell time : 3 s
- Field Strength: 3 V/m

5.2.2 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
Hybrid Log Periodic Antenna	LPDA-0803	TDK	130243	N/A
Amplifier	250W1000AM1	Amplifier Research	311841	14-Nov-17
Signal Generator	8648C	HP	3623A03549	14-Nov-17
Power Sensor	URV5-Z2	Rohde & Schwarz	100592	14-Nov-17
Power Meter	NRVD	Rohde & Schwarz	DE25524	14-Nov-17
System Interface	SI-300-2	TDK	41610	N/A

5.2.3 Environmental Conditions

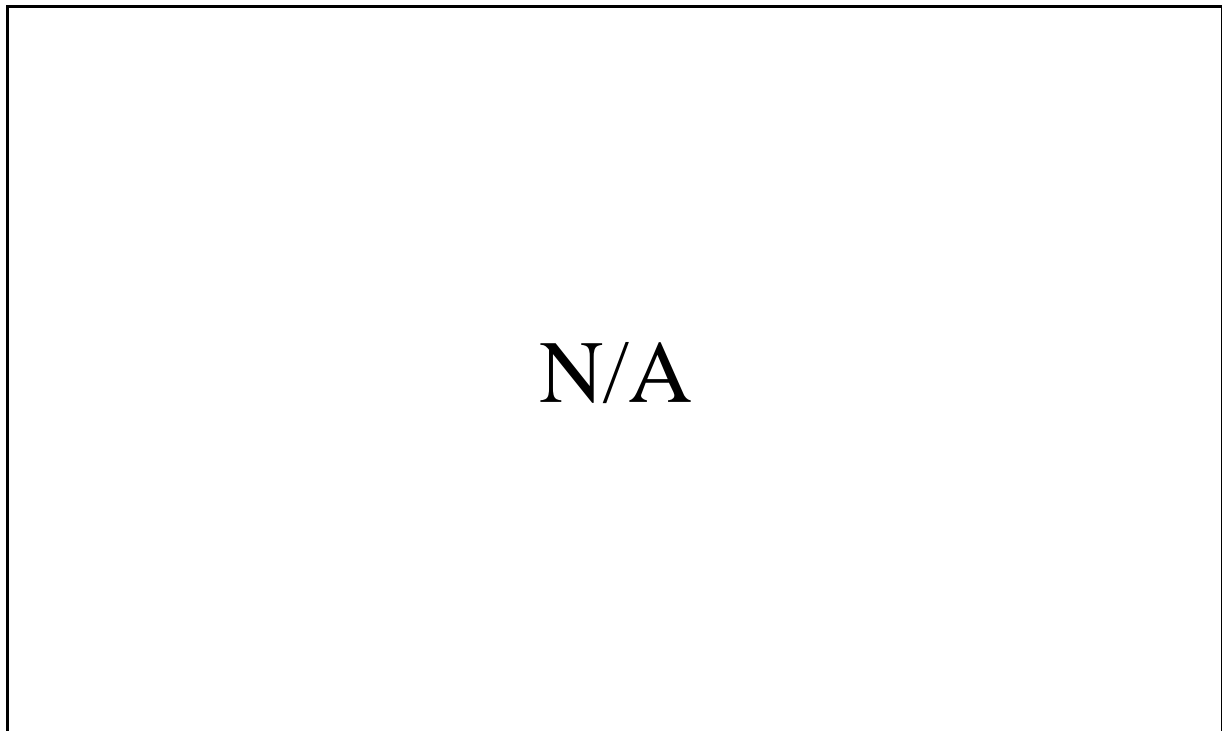
Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
-	-	-

5.2.4 Test data -N/A

Test Date :

Range of Frequency (MHz)	Position	Polarity	Electromagnetic Intensity (V/m)	Criterion	Result
80 MHz ~ 1 GHz	Front side	H	3	A	N/A
		V	3	A	N/A
	Right side	H	3	A	N/A
		V	3	A	N/A
	Left side	H	3	A	N/A
		V	3	A	N/A
	Rear side	H	3	A	N/A
		V	3	A	N/A
Reference	H : Horizontality, V : Verticality This test does not require because the EUT is category II.				

◆ Setup Figure



5.3 Electrical Fast Transients/Burst test

5.3.1 Test Standard

- Standard : EN 61000-4-4:2012
- Performance appraisal standard : B
- Test voltage : AC power : ± 1 kV , other port : 0.5 kV
- Polarity : Positive(+), Negative(-)
- Repetition Frequency : 5 kHz
- Duration Time : 120 s

5.3.2 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
EMC IMMUNITY TESTER	IMU4000 F-S-D-V	EMC PARTNER	IMU400F-S-D-V1517	11-Mar-17

5.3.3 Environmental Conditions

Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
19.2	49.2	101.2

5.3.4 Test data

Test Date : 1-Feb-17

Tested Point		Test Voltage	Duration Time (s)	Criterion	Result	Remark
Input AC	L1 - L2 - PE	±1 kV	120 s	B	A	
Reference		L1: Line, L2: Neutral, PE: Protective earth (Ground)				

◆ Setup Figure



5.4 Surge Test

5.4.1 Test Standard

- Standard : EN 61000-4-5:2014
- Performance appraisal standard : B
- Test voltage AC : line-earth : ± 2 kV, line-line : ± 1 kV,
Telecom. & signal : Line-earth : ± 1 kV, DC port : ± 0.5 kV
- Polarity : Positive(+), Negative(-)
- Repetition rate: max 1/min.
- Number of tests: at least five positive and five negative at the selected points.
- Phase shifting: in a range between positive pulses are applied 90° and the negative pulses are applied 270° versus the a.c. line phase angle.

5.4.2 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
EMC IMMUNITY TESTER	IMU4000 F-S-D-V	EMC PARTNER	IMU400F-S-D-V1517	11-Mar-17

5.4.3 Environmental Conditions

Temperature ($^\circ\text{C}$)	Humidity (% R.H.)	Pressure (kPa)
19.4	49.4	101.3

5.4.4 Test data

Test Date : 1-Feb-17

Tested Point		Test Voltage	Criterion	Result	Remark
Input AC	L1 - L2	±1 kV	B	A	
	L1 - PE	±2 kV	B	A	
	L2 - PE	±2 kV	B	A	
Reference		L1: Line, L2: Neutral, PE: Protective earth (Ground)			

◆ Setup Figure



5.5 Conducted Disturbance test

5.5.1 Test Standard

- Standard : EN 61000-4-6:2014
 - Performance appraisal standard : A
 - Frequency Range : (0.15 ~ 230) MHz
 - Field Strength : 3.0 V
 - Modulation : AM 80 % with 1kHz sine wave
 - Dwell time : 3 s
 - Sweep Capability : 1.5×10^{-3} decade/s
 - Step Size : 1 % of Fundamental
 - 6 Point Random Frequency additional tests to 3minutes per each point.
- test point 0.15 MHz, 20 MHz, 40 MHz, 60 MHz, 80 MHz, 230 MHz

5.5.2 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
TEST System (SIGNAL GENERATOR)	RGN6000B	DARE	15I00075SNO01	14-Nov-17
AMPLIFIER	75A250AM1	AMPLIFIER RESERCH	312197	14-Nov-17
Attenuator	50FH-006-300-2	AMPLIFIER RESERCH	N/A	14-Nov-17
Coupling Decoupling Network	CDN M016	Teseq GmbH	27445	14-Nov-17

5.5.3 Environmental Conditions

Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
20.1	49.8	101.2

5.5.4 Test data

Test Date : 1-Feb-17

Freq [MHz]	Level [V]	Tested point	Criterion	Result	Remark
0.15~230	3	Mains(M3)	A	A	
Reference		Additional measurement was performed in 0.15 MHz, 20 MHz, 40 MHz, 60 MHz, 80 MHz, 230 MHz.			

◆ Setup Figure



5.6 Voltage Dips and Interruptions test

5.6.1 Test Standard

- Standard : EN 61000-4-11:2004
- Performance appraisal standard and test level
 - (50/60) Hz , 0 % 0.5 cycle : C
 - (50/60) Hz , 70 % 25 / 30 cycle : C
 - (50/60) Hz , 40 % 10 / 12 cycle : C
- Number of pulses : 3 at each level
- Recovery time between pulses : 10 s
- Test angle:Zero crossing

5.6.2 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
EMC IMMUNITY TESTER	IMU4000 F-S-D-V	EMC PARTNER	IMU400F-S-D-V1517	11-Mar-17

5.6.3 Environmental Conditions

Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
19.5	49.5	101.3

5.6.4 Test data

Test Date : 1-Feb-17

Voltage Reduction	Duration Cycles		Criterion	Result	Remark
	50 Hz	60 Hz			
100%	0.5	0.5	C	A	
60%	10	12	C	A	
30%	25	30	C	A	
Reference					

◆ Setup Figure





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6. EUT Photographs
[Front]



[Rear]





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[In side]

