



BUREAU
VERITAS

Test Report No.: FS181019N001

RF EXPOSURE REPORT

Applicant	LUMI LEGEND CORPORATION
Address	22/F., Building 1, Lisi Plaza, Huifeng East Road, Ningbo, China 315100

Manufacturer or Supplier	LUMI LEGEND CORPORATION
Address	22/F., Building 1, Lisi Plaza, Huifeng East Road, Ningbo, China 315100
Product	Electric Sit-Stand Desktop Workstation
Brand Name	N/A
Model	DWS18-05
Additional Model & Model Difference	DWS18-06, DWS18-07, See section 1
Date of tests	Oct. 19, 2018 ~ Dec. 03, 2018

- 47 CFR PART 1, Subpart I, Section 1.1310
- KDB 680106 D01

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Dec. 03, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS181019N001	Original release	Dec. 03, 2018

**Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch**

No. 34, Chenwulu Section, Guantai Rd., Houjie
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Guangdong 523942, China

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1. CERTIFICATION

FCC ID:	2AG62DWS18
PRODUCT:	Electric Sit-Stand Desktop Workstation
BRAND NAME:	N/A
MODEL:	DWS18-05
ADDITIONAL NO.:	DWS18-06, DWS18-07
APPLICANT:	LUMI LEGEND CORPORATION
STANDARDS:	47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01

Additional models DWS18-06, DWS18-07 are identical with the test model DWS18-05 except the model name and brand for trading purpose



2. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below

Description	Manufacturer	Model No.	Serial No.
Mobile phone	Samsung	SM-N920V	/

2.1 TEST LOCATION

All tests were performed at:

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China

Tel: +86 769 8593 5656

Fax: +86 769 8593 1080

2.2 DEVIATION FROM STANDARDS

None

2.3 ABNORMALITIES FROM STANDARD CONDITIONS

None

3. EQUIPMENTS USED DURING TEST

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Car.Due date.
1	3m Semi-Anechoic Chamber	ETS-LINDGRE N	9m*6m*6m	NSEMC003	2019-03-19
2	Electric Filed Meter	Narda	Y2006	L-0017	2019-11-08

NOTE: 1. The test was performed in RS chamber.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



4. TEST RESULTS

4.1 RF EXPOSURE TEST

Test Requirement:	47 CFR PART 1, Subpart I, Section 1.1310
Measurement Distance:	15cm
Test voltage:	DC 5V from Adapter input AC 120V/50Hz

Limit:

Frequency range(MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100.000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100.000	/	/	1.0	30
F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).				

4.1.1 EUT OPERATION

Operating Environment:

Temperature: 24.0°C Humidity: 52% RH Atmospheric Pressure: 1015 mbar

EUT Operation:

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



4.1.2 MEASUREMENT DATA

Output Voltage=DC 5V; The max output power =10W

Electric Field Emissions

Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)
Side 1	15	3.98	614
Side 2	15	4.33	614
Side 3	15	3.56	614
Side 4	15	3.87	614
Top	15	5.65	614
Bottom	15	4.63	614

Magnetic Field Emissions

Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)
Side 1	15	0.0034	1.63
Side 2	15	0.0232	1.63
Side 3	15	0.0143	1.63
Side 4	15	0.0165	1.63
Top	15	0.0267	1.63
Bottom	15	0.0098	1.63

Note: All modes have been tested and we only record the worst test result in full load mode.



PHOTOGRAPHS OF THE TEST CONFIGURATION

Electric Field



Magnetic Field



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