FCC RF EXPOSURE REPORT

For

Cubinote
MODEL NUMBER: CG1-80

FCC ID: 2AL4X0000G3
IC: 22723-0000G3

REPORT NUMBER: 4788064175.1-4

ISSUE DATE: August 23, 2017

Prepared for

Knectek Labs Inc.
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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
--	08/23/17	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Knectek Labs Inc.
Address:	9225Leslie Street, Suite 201 Richmond Hill, ON. L4B 3H6 Canada

Manufacturer Information

Company Name:	Knectek Labs Inc.
Address:	9225Leslie Street, Suite 201 Richmond Hill, ON. L4B 3H6 Canada

EUT Description

Product Name	Cubinote
Brand Name	N/A
Model Name	CG1-80
Serial Number	N/A
Model Difference	N/A
Date Tested	July 20, 2017 ~ August 27, 2017

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC 47CFR§2.1091	Complies

Tested By:

Miller Ma
Engineer Project Associate

Checked By:

Shawn Wen
Laboratory Leader

Approved By:

Stephen Guo

Laboratory Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

Test Location	Dongguan Dongdian Testing Service Co., Ltd
Address	No. 17, Zongbu Road 2, Songshan Lake Sci&Tech Park, Dongguan City, Guangdong Province, 523808, China
Accreditation Certificate	Dongguan Dongdian Testing Service Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until January 31, 2018. Dongguan Dongdian Testing Service Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 270092, Renewal date March 11, 2015, valid time is until March 11, 2018. The 3m Alternate Test Site of Dongguan Dongdian Testing Service Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 10288A on April 23, 2015, valid time is until April 23, 2018.

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (Minutes)
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

CALCULATION METHOD

$S=PG/4\pi R^2$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

CALCULATED RESULTS

BT Mode						
Frequency	Max.Output Power	Max Tune Up Power		Power Density	Power Density Limit	Test Result
MHz	dBm	dBm	mW	mW/cm^2	mW/cm^2	--
2441	6.498	7	5.012	0.00186	1.0	Complies

BLE Mode						
Frequency	Max.Output Power	Max Tune Up Power		Power Density	Power Density Limit	Test Result
MHz	dBm	dBm	mW	mW/cm^2	mW/cm^2	--
2480	6.74	7	5.012	0.00186	1.0	Complies

WIFI Mode(WORST-CASE): 11b Channel 1						
Frequency	Max.Output Power	Max Tune Up Power		Power Density	Power Density Limit	Test Result
MHz	dBm	dBm	mW	mW/cm^2	mW/cm^2	--
2412	15.86	16	39.811	0.014747863	1.0	Complies

Note: 1. Antenna Gain=2.70dBi (Numeric 1.86), π=3.141.
2. The Power comes from report 4788064175.1-1; 4788064175.1-2; 4788064175.1-3;
3. The minimum separation distance of the device is greater than 20 cm.
4. Calculate by WORST-CASE mode.
5. Owing to the maximum Calculated Result is below the limit, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.
6. Max Tune Up Power by manufacturer's declaration
7. Bluetooth and WIFI cannot be transmit simultaneously.

END OF REPORT