HCT CO.,LTD.

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FCC MPE REPORT

Certification

Applicant Name:
EGEN Inc.

Address:
61,Dongtangiheung-ro, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, KOREA

Date of Issue:
August 08, 2018

Test Site/Location:
HCT CO., LTD., 74,Seoicheon-ro 578beon-gil,Majang-myeo,Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

Report No.: HCT-RF-1807-FI010-R2

FCC ID	**2AQUV-B124-NEO6**
APPLICANT	**EGEN Inc.**

Model:	B-124
Additional Model:	CELLINK NEO6
EUT Type:	Rechargeable Li-ion Battery
Frequency Range:	2402 MHz - 2480 MHz (Bluetooth LE)

The measurements shown in this report were made in accordance with the procedures specified in §2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

HCT CO., LTD. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.853(a)

Report prepared by : Jung Ki Lim
Engineer of Telecommunication testing center

Approved by : Jong Seok Lee
Manager of Telecommunication testing center

Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-1807-FI010	July 18, 2018	- First Approval Report
HCT-RF-1807-FI010-R1	July 31, 2018	- Revised the FCC ID.
HCT-RF-1807-FI010-R2	August 08, 2018	- Revised the FCC ID.

RF Exposure Statement

1. LIMITS

According to §1.1310 and §2.1091 RF exposure is calculated.

(B) Limits for General Population/Uncontrolled Exposures

Frequency range (MHz)	Electric field Strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm^2)	Averaging time (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

F = frequency in MHz
* = Plane-wave equivalent power density

2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

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

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

3. RESULTS

BT Only

Max Peak output Power at antenna input terminal	4.00	dBm
Max Peak output Power at antenna input terminal	2.512	mW
Prediction distance	20.000	cm
Prediction frequency	2 402 ~ 2 480	MHz
Antenna Gain(typical)	3.14	dBi
Antenna Gain(numeric)	2.061	-
Power density at prediction frequency(S)	0.0010	mW/cm^2
MPE limit for uncontrolled exposure at prediction frequency	1.000	mW/cm^2