

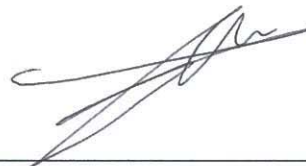
FCC MPE REPORT

Certification

Applicant Name:
FUCDELAB**Date of Issue:**
November 19, 2018**Address:**
101, 40, Dongmun-daero 456beon-gil, Buk-gu,
Gwangju, Republic of Korea**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-1811-FC004**FCC ID:** 2ARND-LOUVENIR**APPLICANT:** FUCDELAB**Model:** KISSIN**Additional Models:** CLOISINNE95, LONG LIFE, Y, PEONY, DEMON, COMBTEETH, MUNTIN, LOTUS**EUT Type:** NATURALISE LOUVENIR**Frequency Range:** 2402 MHz - 2480 MHz (Bluetooth)

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 : Kwon Jeong**
Manager of Telecommunication testing center

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Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-1811-FC004	November 19, 2018	- First Approval Report

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

3-1. Bluetooth

Average output Power at antenna input terminal	6.00	dBm
Average output Power at antenna input terminal	3.981	mW
Prediction distance	20.000	cm
Prediction frequency	2 402 ~ 2 480	MHz
Antenna Gain(typical)	2.20	dBi
Antenna Gain(numeric)	1.660	-
Power density at prediction frequency(S)	0.00131	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.00	mW/cm ²

2.1091

EIRP	8.20 (dBm)
ERP	6.05 (dBm)
ERP	0.004 (W)
ERP Limit	3.0 (W)
MARGIN	28.72 (dB)