RF EXPOSURE REPORT

Applicant	Evoko Unlimited AB
Address	Hastholmsvagen 32, 5th floor,Nacka ,Sweden, 131 30

Manufacturer or Supplier	Shenzhen Baiqiancheng Electronic Co., Ltd
Address	Room 609, Huihong Building, Building 18, Nanshan Ruiyuan, Shenzhen
Product	Evoko Naso
Brand Name	N/A
Model	ENX1001
Additional Model & Model Difference	N/A
Date of tests	Mar. 27, 2019

☒ **FCC Part 2 (Section 2.1091)**
☒ **KDB 447498 D01**
☒ **IEEE C95.1**

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

Tested by Aaron Liang Project Engineer / RF Department	Approved by David Huang Supervisor/ RF Department
Aaron Liang	David Huang Date: Mar. 27, 2019

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190215N004	Original release	Mar. 27, 2019

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1. CERTIFICATION

PRODUCT:	Evoko Naso
BRAND NAME:	N/A
MODEL NO.:	ENX1001
ADDITIONAL MODEL:	N/A
FCC ID:	2AH64-ENX1001
TEST SAMPLE:	Evoko Naso
APPLICANT:	Evoko Unlimited AB
TESTED DATES:	Feb. 15, 2019 ~ Mar. 27, 2019
STANDARDS:	FCC Part 2 (Section 2.1091) KDB 447498 D01 IEEE C95.1

NOTE: **Test Lab Information:**

Lab: Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch
Test Lab Address: Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao'an District Shenzhen, Guangdong, 518108, People's Republic of China

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Frequency Band	Antenna Gain (dBi)	Antenna Type
Wi-Fi 2.4GHz	0.1	Fixed Internal Antenna
BTLE 2.4GHz	0.1	Fixed Internal Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BT-LE (GFSK)	2402-2480MHz	5.5	+-2	3.5	7.5
802.11b	2412-2462MHz	16	+-2	14	18
802.11g	2412-2462MHz	15	+-2	13	17
802.11n HT20	2412-2462MHz	15	+-2	13	17

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE (GFSK)	2480	5.24
802.11b	2462	15.84
802.11g	2437	14.57
802.11n HT20	2437	14.92

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (DBM)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
BLE 2402-2480	7.5	0.1	20	0.0011	1.0
WiFi 2412-2462	18	0.1	20	0.0128	1.0

CONCLUSION:

The BLE and WLAN can transmit simultaneously, the formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1

CPD = Calculation power density

LPD = Limit of power density

(0.0011/1)+(0.0128/1) = 0.0140<1, which is less than the “1” limit.

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