

RF Exposure Report

Report No.: SA181101E04

FCC ID: YSI-NMR2

Test Model: SensOn3x

Received Date: Nov. 01, 2018

Test Date: Dec. 12, 2018

Issued Date: Dec. 21, 2018

Applicant: Delta Mobile Systems

Address: 645 Tollgate Road, Suite 300 Elgin IL 60123 United States Of America

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan R.O.C.

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan R.O.C.

**FCC Registration /
Designation Number:** 723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
SA181101E04	Original release.	Dec. 21, 2018

1 Certificate of Conformity

Product: SensOn3x

Brand: SensOn3x

Test Model: SensOn3x

Sample Status: ENGINEERING SAMPLE

Applicant: Delta Mobile Systems

Test Date: Dec. 12, 2018

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :

Mary Ko

Date:

Dec. 21, 2018

Mary Ko / Specialist

Approved by :

May Chen

Date:

Dec. 21, 2018

May Chen / Manager

2 RF Exposure

2.1 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				
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

2.2 MPE Calculation Formula

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

where

Pd = power density in mW/cm²

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

2.3 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**.

2.4 Antenna Gain

Antenna Type	Antenna Gain (dBi)	Connector Type	Frequency range (GHz)
Printed Patch Array	10	none	76 ~ 77

2.5 Calculation Result

Frequency range (GHz)	Pout EIRP (dBm) (Peak)	Pout EIRP (mW) (Peak)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
76.5	16.9	48.978	20	0.00974	1

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