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				
only with our prior written permission. The report are not indicative or representative unless specifically and expressly noted. provided to us. You have 60 days from however, that such notice shall be in writt shall constitute your unqualified acceptare mention, the uncertainty of measurement	copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted his report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this e of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product Our report includes all of the tests requested by you and the results thereof based upon the information that you date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, ing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time ice of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific thas been explicitly taken into account to declare the compliance or non-compliance to the specification. The report roduct certification, approval, or endorsement by any government agencies.				



Table of Contents

Releas	se Control Record	. 3
1	Certificate of Conformity	. 4
	RF Exposure	
2.2 2.3 2.4	Limits for Maximum Permissible Exposure (MPE) MPE Calculation Formula Classification Antenna Gain Calculation Result	. 5 . 5 . 5



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.

	Mary Ko		
Prepared by :	<u> </u>	_, Date:	Dec. 21, 2018
	Mary Ko / Specialist		
Approved by :	$\overline{\mathcal{M}}$	_, 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

 $Pd = power density in mW/cm^{2}$

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

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

--- END ----