	BUREAU VERITAS		
	RF Exposure Report		
Report No.:	SA180314C22		
FCC ID:	ZOQ-FEU		
Test Model:	UOC-FEU		
Received Date:	Mar. 14, 2018		
Date of Evaluation:	May 10, 2018		
Issued Date:	May 11, 2018		
Applicant:	Verizon Connect		
Address:	2002 Summit Blvd, Suite 1800, Atlanta Georgia 30319, United States		
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch		
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.		
Test Location:			
FCC Registration / Designation Number:	788550 / TW0003		
	Testing Laboratory 2021		
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Release Control Record				
Issue No.	Description	Date Issued		
SA180314C22	Original Release	May 11, 2018		

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1 Certificate of Conformity Product: FEU

Brand:	Verizon Telematics
Test Model:	UOC-FEU
Sample Status:	Production Unit
Applicant:	Verizon Connect
Date of Evaluation:	May 10, 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 RF characteristics under the conditions specified in this report.

hen Prepared by :

Rona Chen / Specialist

Date: May 11, 2018

Approved by :

yhi to

Date: May 11, 2018

Dylan Chiou / Project Engineer



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	4-30 824/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

Internal antenna with 2.8 dBi gain



2.5 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
Bluetooth EDR	4.25	2.8	20	0.001	1
Bluetooth LE	-0.74	2.8	20	0.000	1

Conclusion:

The formula of calculated the MPE is: CPD1 / LPD1 + CPD2 / LPD2 +etc. < 1 CPD = Calculation power density LPD = Limit of power density

Bluetooth EDR = 0.001 / 1 = 0.001Therefore the maximum calculations of above situations are less than the "1" limit.

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