DEKRA Testing and Certification S.A.U.TCB

Parque Tecnológico de Andalucía
Severo Ochoa, 2 & 6
29590 Málaga
Spain

Date: January 17th, 2020
Report: 57536_2ASQJ-TP1

RF exposure analysis for the equipment

FCC ID: 2ASQJ-TP1

The device SafeDrivePod TruckPod is placed in the vehicle and detects whether it is moving. The app installed on the phone connects with the pod and closes the screen while driving.

This device is to be used only for mobile applications.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all the persons and must not be co-located or operating in conjunction with any other antenna or transmitter except as under the conditions described KDB 447498 D01 General RF Exposure Guidance.

MPE exposure limits

The table below is excerpted from Table 1B of 47 CFR 1.1310 titled Limits for Maximum Permissible Exposure (MPE), Limits for General Population/Uncontrolled Exposure:

Frequency Range (MHz)	Power density (mW/cm^2)	Averaging time (minutes)
300 – 1500	f (MHz) /1500	30
1500 – 100.000	1,0	30

The table below is excerpted from RSS-102, Issue 5, 4, titled “Table 4: RF Field Strength Limits for Devices Used by the General Public”:

Frequency Range (MHz)	Power density (W/m^2)	Averaging time (minutes)
300 – 6000	$0.02619 \cdot f^{0.6834}$	6

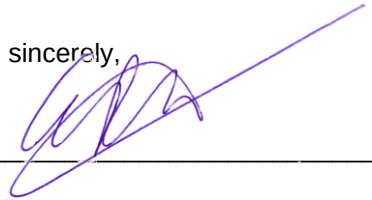
EIRP limits

Frequency Range (MHz)	CONDUCTED OUTPUT POWER (dBm)	Antenna gain (dBi)	Antenna gain (numerical)	Duty cycle (%)	Evaluation distance (cm)	Power density (mW/cm^2)	FCC/ISED MPE limit (mW/cm^2)	MPE RATIO
2408-2480	4,38	*0,00*	1,00	100,0%	20	0,0005	0,5404	0,0010

Using the equation $S = \frac{PG}{4\pi R^2}$ to calculate the exposure to electromagnetic fields

where: S = power density (in appropriate units, e.g. mW/cm^2)
P = power input to the antenna (in appropriate units, e.g., mW)
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 (appropriate units, e.g., cm)

Yours sincerely,
P.A.



_____

By: Erik Damen
Title: General Manager
Company: SafeDrivePod International BV
Telephone: +#1618943522
e-mail: erik@safedrivepod.com