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Report No.: SZEMO10070456902

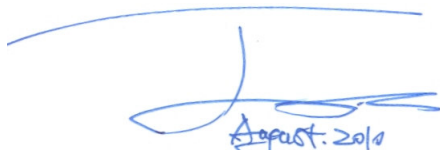
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## RF Exposure Evaluation declaration

**Application No.:** SZEMO100704569RF  
**Applicant:** Scosche Industries Inc  
**Address of Applicant:** 1550 Pacific Ave Oxnard, CA 93033, USA  
**Manufacturer/ Factory:** Sunitec Enterprise Co., Ltd  
**Address of Manufacturer/ Factory:** No.2, Qilin Road 2, RunTang Ind, Dan-Keng Village Fu MinCommunity, Guan-Lan Town, BaoAn District, Shenzhen Guangdong China  
**FCC ID:** IKQBTAXM  
**Fundamental Carrier Frequency :** 2.402GHz to 2.480GHz  
**Equipment Under Test (EUT):**  
Name: Bluetooth Hands-free & streaming car kit  
Model No.: BTAXM  
**Date of Receipt:** 2010-07-21  
**Date of Test:** 2010-07-22 to 2010-08-09  
**Date of Issue:** 2010-08-09

<b>Test Result :</b>	<b>PASS*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.



Jack Zhang  
Laboratory Manager

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## 2 RF Exposure Evaluation

### 2.1 Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

#### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (Minutes)
<b>(A) Limits for Occupational/ Control Exposures</b>				
300-1500	--	--	F/300	6
1500-100,000	--	--	5	6
<b>(B) Limits for General Population Exposures</b>				
300-1500	--	--	F/1500	6
1500-100,000	--	--	1	300

F= Frequency in MHz

Friis Formula

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

$P_d$  is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

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## 2.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

## 2.3 Test Result of RF Exposure Evaluation

Product : Wireless Headphone

Test Item : RF Exposure Evaluation

Test Site : No.3 OATS

Antenna Gain: 0dBi

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 1 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Output Power to Antenna (mW)	Power Density at R = 20 cm (mW/cm <sup>2</sup> )
Middle	2402	6.83	4.819	0.0009587

The distance r (4th column) calculated from the Fries transmission formula is greater than 20 cm separation requirement.