# Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE150915 Page : 1 of 2

# RF Exposure Evaluation FCC ID: 2AJOE7198-06

## 1. Client Information

Applicant: Shenzhen Suoba Electronics Limited

Address : 4th JianShe Industrial Park, 71 area, Baoan District, ShenZhen, China

Manufacturer : Shenzhen Suoba Electronics Limited

Address : 4th JianShe Industrial Park, 71 area, Baoan District, ShenZhen, China

2. General Description of EUT

<b>EUT Name</b>		True Wireless Earbud and Mic				
Models No.	:	7198-06				
Brand Name	:	N/A				
<b>Model Difference</b>	:	N/A				
Product Description	130 CO V	Operation Frequency:	Bluetooth 4.1: 2402~2480 MHz			
		Number of Channel:	Bluetooth: 79 Channels			
		Max Peak Output Power:	Bluetooth: 4.889 dBm(GFSK)			
		Antenna Gain:	1.5 dBi PCB Antenna			
		Modulation Type:	GFSK 1Mbps(1 Mbps) π /4-DQPSK(2 Mbps)			
			8-DPSK(3 Mbps)			
Power Supply		DC Voltage Supplied by the Host System.  DC Supply by the Battery.				
Power Rating	ŀ	DC 5.0 V by Host System. DC 3.7 V by 40mAh Li-Lion Battery.				
Connecting I/O Port(S)	-	Please refer to the User's Manual				

#### Note:

More test information about the EUT please refer to the RF Test Report.

TB-RF-074-1. 0



Report No.: TB-MPE150915

Page : 2 of 2

### **SAR Test Exclusion Calculations**

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

- (1) Clause 4.3: General SAR test reduction and exclusion guidance Sub clause 4.31: Standalone SAR test exclusion considerations
  - 1)The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]\*[  $\sqrt{f_{(GHz)}}$  ]  $\leq$ 3.0 for 1-g SAR

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]\*[  $\sqrt{f_{(GHz)}}$  ]  $\leq$ 7.5.0 for 10-g SAR

#### 2. Calculation:

Test separatio	n: 5mm					File
Call'S	3 _ (	BI	uetooth Mode (GFSK)		THE STATE OF	
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshol d Value
2.402	4.273	4±1	5	3.162	0.980	3.0
2.441	4.651	4±1	5	3.162	0.988	3.0
2.480	4.889	4±1	5	3.162	0.996	3.0
U.S. T.	CHIE.	Blue	tooth Mode (π/4-DQPS	K)		0.81
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshol d Value
2.402	2.504	2±1	3	1.995	0.618	3.0
2.441	3.031	3±1	4	2.512	0.785	3.0
2.480	3.241	3±1	4	2.512	0.791	3.0
2	Chil.	Blu	uetooth Mode (8-DPSK)	CONTRACT OF THE PARTY OF THE PA	-	MUL
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshol d Value
2.402	2.711	2±1	3	1.995	0.618	3.0
2.441	2.471	2±1	3	1.995	0.623	3.0
2.480	3.370	3±1	4	2.512	0.791	3.0

So standalone SAR measurements are not required.

----END OF REPORT----