Shenzhen Toby Technology Co., Ltd.

RF Exposure Evaluation
FCC ID: 2AHTUSB5-MAIN

1. Client Information

Applicant	:	Digitech Asia Ltd
Address	:	Suite 61, 76 Macdonnell Road Hong Kong
Manufacturer	:	Xunlei Yuanda Technology (Shenzhen) Co., Limited
Address	:	3rd Floor, Baicai Technology Park, Beihuan Road, Shiyan Street, Baoan District, Shenzhen, PRC

2. General Description of EUT

EUT Name	:	Baby Safety–main unit	
Models No.	:	SB-5	
Model Difference	:	N/A	
Product Description	:	Operation Frequency: BLE:2402~2480MHz	
		Number of Channel:	BLE:40 Channels
		Max Peak Output Power:	GFSK:4.12 dBm
		Antenna Gain:	1 dBi Integral Antenna
		Modulation Type:	1Mbps(GFSK)
Power Supply	:	DC power by battery	
Power Rating	:	DC 3V by 2*1.5V AAA Battery.	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

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

TB-RF-074-1.0

SAR Test Exclusion Calculations

1. **FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v05r02.**

    (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)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR

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

2.

Calculation:

Test separation: 5mm					
BLE Mode (GFSK)					
Frequency (GHz)	**Conducted Power (dBm)**	**Turn-up Power Tolerance (dB)**	**Max power of tune up tolerance (mw)**	**Calculation Value**	**Threshold Value**
2.402	4.01	±0.5	2.825	0.876	**3.0**
2.442	4.12	±0.5	2.897	0.905	**3.0**
2.480	4.09	±0.5	2.877	0.906	**3.0**

So standalone SAR measurements are not required.