TOBY
Shenzhen Toby Technology Co., Ltd.

RF Exposure Evaluation
FCC ID: 2AGBU-NY10

1. Client Information

Applicant	:	MOONSMIMI(Beijing)Co., Ltd
Address	:	17th Floor, Hailong Building, Haidian District, Beijing, PRC
Manufacturer	:	MOONSMIMI(Beijing)Co., Ltd
Address	:	17th Floor, Hailong Building, Haidian District, Beijing, PRC

2. General Description of EUT

EUT Name	:	The smart bra	
Models No.	:	NY-1.0	
Brand Name	:	MOONSMIMI	
Model difference	:	N/A	
Product Description	:	Operation Frequency: Bluetooth(BLE):2402~2480MHz	
		Number of Channel:	Bluetooth(BLE): 40 channels
		RF Output Power:	0.093 dBm
		Antenna Gain:	0 dBi Integral Antenna
		Modulation Type:	GFSK 1Mbps
Power Supply	:	DC Voltage supplied from Host System by USB cable. DC power by Li-ion Battery.	
Power Rating	:	DC 5.0V by USB cable. DC 3.7V Li-ion 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(GFSK)					
Frequency (GHz)	**Conducted Power (dBm)**	**Turn-up Power Tolerance (dB)**	**Max power of tune up tolerance (mw)**	**Calculation Value**	**Threshold Value**
2.402	0.030	±0.5	1.130	0.350	**3.0**
2.442	0.093	±0.5	1.146	0.358	**3.0**
2.480	-0.419	±0.5	1.019	0.321	**3.0**

So standalone SAR measurements are not required.

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