

RF Exposure Evaluation

FCC ID: 2ADKSGBTY-6A

1. Client Information

Applicant : MEET Studio CO.,LTD.
Address : Room 204, Hanhai Building, NO.2 North Construction Road, Chenghua District, Chengdu, Sichuan, China
Manufacturer : MEET Studio CO.,LTD.
Address : Room 204, Hanhai Building, NO.2 North Construction Road, Chenghua District, Chengdu, Sichuan, China

2. General Description of EUT

EUT Name	:	Cool Gym
Models No.	:	GBTY-6A
Brand Name	:	Cool Gym
Model Difference	:	N/A
Product Description	:	Operation Frequency: Bluetooth:2402~2480MHz
	:	Number of Channel: BLE:40 Channels
	:	Max Peak Output Power: GFSK:-0.97 dBm
	:	Antenna Gain: -2 dBi Chip Antenna
	:	Modulation Type: 1Mbps(GFSK)
Power Supply	:	DC power by USB cable form Host System DC power by Li-ion battery
Power Rating	:	DC 5V by USB Cable from PC system. DC 3.7V by 60 mAh 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.

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)] * $\sqrt{f_{\text{(GHz)}}}$ ≤ 3.0 for 1-g SAR
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)] * $\sqrt{f_{\text{(GHz)}}}$ $\leq 7.5.0$ for 10-g SAR

2.

Calculation:

Test separation: 5mm						
BLE Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Ant Gain (dBi)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.970	-2	± 1	0.635	0.197	3.0
2.442	-1.230	-2	± 1	0.598	0.187	3.0
2.480	-2.206	-2	± 1	0.478	0.151	3.0

So standalone SAR measurements are not required.