

# 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

<b>EUT Name</b>	:	Cool Gym
<b>Models No.</b>	:	GBTY-6A
<b>Brand Name</b>	:	Cool Gym
<b>Model Difference</b>	:	N/A
<b>Product Description</b>	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)
<b>Power Supply</b>	:	DC power by USB cable form Host System DC power by Li-ion battery
<b>Power Rating</b>	:	DC 5V by USB Cable from PC system. DC 3.7V by 60 mAh Li-ion Battery.
<b>Connecting I/O Port(S)</b>	:	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  $\leq 5$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})]^{1/2} \leq 3.0$  for 1-g SAR

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})]^{1/2} \leq 7.5.0$  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	$\pm 1$	0.635	0.197	3.0
2.442	-1.230	-2	$\pm 1$	0.598	0.187	3.0
2.480	-2.206	-2	$\pm 1$	0.478	0.151	3.0

**So standalone SAR measurements are not required.**