Shenzhen Toby Technology Co., Ltd.

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RF Exposure Evaluation FCC ID:2BB4B-YSDT200

1. Client Information

| Applicant | : | Yongkang Ma souTrade Co., Ltd. | | | |
|--------------|--|--|--|--|--|
| Address | | The first room from west to east, the second floor, Building 2, No. 386, Huajin Road, Huajie Town, Yongkang City, Jinhua, Zhejiang Province, China | | | |
| Manufacturer | ÷ | XIAMEN MYDO SPORTS EQUIPMENT CO., LTD. | | | |
| Address | Address : NO.30 BANNAN ROAD, DONGFU STREET, HAICANG DISTR XIAMEN, CHINA | | | | |

2. General Description of EUT

| EUT Name | (3) | YOSUDA Treadmill YSD-T200 | | | | |
|------------------------|-----|--|---|--|--|--|
| Model(s) No. | : | YSD-T200, YSD-T serial | | | | |
| Model Difference | | All these models are identical in the same PCB, layout and electrical circuit, the only difference is that appearance color. | | | | |
| Product Description | | Operation Frequency: | Bluetooth V5.0: 2402MHz~2480MHz Bluetooth 5.0(BLE): 2402MHz~2480MH | | | |
| | | Number of Channel: | Bluetooth 5.0: 79 channels Bluetooth 5.0(BLE):40 channels | | | |
| | | Antenna Gain: | -0.58dBi PCB Antenna | | | |
| | | Modulation Type: | GFSK, Pi/4-DQPSK Bluetooth LE:1Mbps | | | |
| | 6 | Bit Rate of Transmitter: | 1/2Mbps | | | |
| Power Supply | : | Input: AC 120V, 60Hz | | | | |
| Software Version | | | | | | |
| Hardware Version | : | | | | | |

Remark: The antenna gain provided by the applicant, the adapter and verified for the RF conduction test and adapter provided by TOBY test lab.

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



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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



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2. Calculation:

| | | В | luetooth Mode (GFSK) | | | |
|--------------------|-----------------------------|------------------------------------|--|---|----------------------|--------------------|
| 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 | Threshold Value |
| 2.402 | 3.44 | 3±1 | 4 | 2.512 | 0.779 | 3.0 |
| 2.441 | 3.213 | 3±1 | 4 | 2.512 | 0.785 | 3.0 |
| 2.480 | 3.244 | 3±1 | 4 | 2.512 | 0.791 | 3.0 |
| | M:N | Blue | tooth Mode (Pi/4-DQPS | K) | | 32 |
| 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 | Threshold Value |
| 2.402 | 4.126 | 4±1 | 5 | 3.162 | 0.980 | 3.0 |
| 2.441 | 3.909 | 4±1 | 5 | 3.162 | 0.988 | 3.0 |
| 2.480 | 3.937 | 4±1 | 5 | 3.162 | 0.996 | 3.0 |
| | | Blu | etooth LE Mode(1Mbps | 5) | 177 | |
| 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 | Threshold Value |
| 2.402 | 3.488 | 3±1 | 4 | 2.512 | 0.779 | 3.0 |
| 2.440 | 3.223 | 3±1 | 4 | 2.512 | 0.785 | 3.0 |
| 2.480 | 3.264 | 3±1 | 4 | 2.512 | 0.791 | 3.0 |

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

----END OF REPORT----