

Shenzhen Toby Technology Co., Ltd.

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RF Exposure Evaluation FCC ID: 2ADUC-TW410

1. Client Information

| Applicant | | TSKY CO., LTD |
|--------------|---|---|
| Address | - | 21F2, No.8, Ziqiang S. Rd., Zhubei City, Hsinchu County 302, Taiwan |
| Manufacturer | : | TSKY CO., LTD |
| Address | : | 21F2, No.8, Ziqiang S. Rd., Zhubei City, Hsinchu County 302, Taiwan |

2. General Description of EUT

| EUT Name | | TW410 | | | | |
|---------------------------|---|--|---------------------------------|--|--|--|
| Models No. | | TW410HR, TW410 | | | | |
| Model Different | | All these models are the same PCB, layout and electrical circuit, the only different is model. | | | | |
| Product Description | 1 | Operation Frequency: | Bluetooth V4.0: 2402MHz~2480MHz | | | |
| | : | RF Output Power: | BLE:-4.753dBm (Max) | | | |
| | | Antenna Gain: | 0dBi Ceramic Antenna | | | |
| Power Supply | : | DC Voltage Supply from USB Cable. DC Voltage supplied by Li-ion battery. | | | | |
| Power Rating | | Input: DC 5V0.5A by USB Cable. DC 3.7V by 400mAh Li-ion battery. | | | | |
| Software Version | : | V1.0 | | | | |
| Hardware Version | : | V1.0 | | | | |
| 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.

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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

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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)]*[$\sqrt{f_{(GHz)}}$] \leqslant 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 (dbm) | Max power of tune up tolerance (mw) | Calculation Value | Threshold Value | | | |
| 2.402 | -4.753 | -5±1 | -4 | 0.398 | 0.123 | 3.0 | | | |
| 2.442 | -5.011 | -5±1 | -4 | 0.398 | 0.124 | 3.0 | | | |
| 2.480 | -4.893 | -5±1 | -4 | 0.398 | 0.125 | 3.0 | | | |

So standalone SAR measurements are not required.

---END OF REPORT-----