Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE164887

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RF Exposure Evaluation FCC ID: 2ADUC-TW410

1. Client Information

TSKY CO., LTD **Applicant**

21F.-2, No.8, Ziqiang S. Rd., Zhubei City, Hsinchu County 302, **Address**

Taiwan

Manufacturer : TSKY CO., LTD

21F.-2, No.8, Ziqiang S. Rd., Zhubei City, Hsinchu County 302, **Address**

2. General Description of FUT

Z. General	סכ	Scription of Lot				
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	:	Operation Frequency:	Bluetooth V4.0: 2402MHz~2480MHz			
		RF Output Power:	BLE:-4.753dBm (Max)			
		Antenna Gain:	0dBi Ceramic Antenna			
Power Supply	ė	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
 - 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:

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.

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