Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE145236

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RF Exposure Evaluation FCC ID: 2AFNM-JT2693

1. Client Information

Applicant : Shenzhen Jinruitai Electronics Co.,Ltd

Address: 4F, Building A, Taixinglong Industrial Town, Zhongwu Xixiang,

Baoan District, Shenzhen City, GuangDong Province, China

Manufacturer : Shenzhen Jinruitai Electronics Co.,Ltd

Address : 4F, Building A, Taixinglong Industrial Town, Zhongwu Xixiang,

Baoan District, Shenzhen City, GuangDong Province, China

2. General Description of EUT

EUT Name		Waterproof Bluetooth Speaker				
Models No.	:	JT2693				
Model difference	1	N/A				
Product Description		Operation Frequency: Bluetooth:2402~2480MHz				
		Number of Channel:	Bluetooth:79 Channels			
		Max Peak Output Power:	Bluetooth: -0.126 dBm(8-DPSK)			
		Antenna Gain:	0 dBi PCB Antenna			
		Modulation Type:	GFSK 1Mbps(1 Mbps) π /4-DQPSK(2 Mbps) 8-DPSK(3 Mbps)			
Power Supply	•	DC Voltage supplied from Host System by USB cable. DC power by Li-ion Battery.				
Power Rating	:	DC 5.0V by USB cable. DC 3.7V 400mAh 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.

TB-RF-074-1. 0

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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 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)]*[$\sqrt{f_{(GHz)}}$] \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:

		Dissert a sette Manufactura	(05010)		
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.402	±0.5	1.023	0.317	3.0
2.441	-0.281	±0.5	1.052	0.329	3.0
2.480	-0.368	±0.5	1.031	0.325	3.0
		Bluetooth Mode (π	/4-DQPSK)	THE STATE OF	
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.393	±0.5	1.025	0.318	3.0
2.441	-0.231	±0.5	1.064	0.332	3.0
2.480	-0.320	±0.5	1.042	0.328	3.0
73	CIII DE	Bluetooth Mode	(8-DPSK)		33
Frequency (GHz) Conducted Power (dBm)		Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.254	±0.5	1.058	0.328	3.0
2.441	-0.126	±0.5	1.090	0.341	3.0
2.480	-0.251	±0.5	1.059	0.334	3.0

So standalone SAR measurements are not required.