Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE149225

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RF Exposure Evaluation FCC ID: 2AFXXGG-RBS

1. Client Information

: M&S Accessory Network **Applicant**

Address : 10 West 33rd Street, Suite 718, New York, NY 11223, USA

: Hong Kong Fanco Electronic Company Ltd. Manufacturer

: 5H, Rich Business Tower, No.108 Centre Road, Shajing, Baoan, Address

Shenzhen, China

2. General Description of EUT

EUT Name		Gabba Goods Wireless Emoji Speaker				
Models No.		GG-RBS				
Brand Name	:	N/A				
Model Difference	:	N/A				
Product Description	24 M3 A	Operation Frequency: Bluetooth 2.1+EDR: 2402~2480MHz				
		Number of Channel:	Bluetooth:79 Channels			
		Max Peak Output Power:	er: Bluetooth: 1.762 dBm(GFSK)			
		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 by 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 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:

		67.77.7	13-7 L. V		
7 1		Bluetooth Mod	e (GFSK)		19.0
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	1.330	±0.5	1.524	0.472	3.0
2.441	1.633	±0.5	1.634	0.511	3.0
2.480	1.762	±0.5	1.683	0.530	3.0
		Bluetooth Mode (π /4-DQPSK)		1
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.406	±0.5	1.022	0.317	3.0
2.441	0.088	±0.5	1.145	0.358	3.0
2.480	0.412	±0.5	1.234	0.389	3.0
100		Bluetooth Mode	e (8-DPSK)	100 m	600
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-0.207	±0.5	1.070	0.332	3.0
2.441	0.195	±0.5	1.174	0.367	3.0
2.480	0.532	±0.5	1.268	0.399	3.0

So standalone SAR measurements are not required.