Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC154402

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RF Exposure Evaluation FCC ID: 2AMIU-5B

1. Client Information

: Shenzhen Benjun Technology Co., LTD **Applicant**

Address : 8-709 Runcheng garden xili Nanshan Shenzhen China

Manufacturer Shenzhen Tianjiu Electronics Co., Ltd.

Building 3, No. 21, Makan Road, Xili Town, Nanshan District, Shenzhen, Address

Guangdong, China

2. General Description of EUT

EUT Name		Bone-conduction headphone and sunglasses				
Models No.	:	Vision 5B				
		Operation Frequency:	Bluetooth V4.0: 2402~2480 MHz			
Product Description		RF Output Power:	Bluetooth: 5.489dBm(GFSK) BLE: 6.029dBm(GFSK)			
UL DE	A	Antenna Gain:	0dBi PCB Antenna			
Power Supply	i	DC power by USB cable. DC power by Li-ion battery.				
Power Rating		DC 5V by Host System. DC 3.7V by 250mAh Li-ion Battery.				
Connecting I/O Port(S)	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:

Test separatio	n: 5mm					
3	MILL	В	luetooth Mode (GFSK)			B. HOT.
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	4.037	5±1	6	3.981	1.234	3.0
2.441	5.489	5±1	6	3.981	1.244	3.0
2.480	4.364	5±1	6	3.981	1.254	3.0
60	U.S.	Blue	tooth Mode (π/4-DQPS	K)	601	0.5
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	2.226	3±1.5	4.5	2.818	0.874	3.0
2.441	4.025	3±1.5	4.5	2.818	0.881	3.0
2.480	2.333	3±1.5	4.5	2.818	0.888	3.0
	3 (Blo	uetooth Mode (8-DPSK)			
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	2.862	3.5±1.5	5	3.162	0.980	3.0
2.441	4.510	3.5±1.5	5	3.162	0.988	3.0
2.480	2.914	3.5±1.5	5	3.162	0.996	3.0
		13	BLE Mode (GFSK)	N. S.	511	610
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	5.044	5.5±1	6.5	4.467	1.385	3.0
2.442	6.029	5.5±1	6.5	4.467	1.396	3.0
2.480	5.341	5.5±1	6.5	4.467	1.407	3.0

So standalone SAR measurements are not required.

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