Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE155360

Page: 1 of 3

RF Exposure Evaluation FCC ID: 2AFIH-BND502

1. Client Information

Applicant: Brand New Days

Address: Flat B, 6/F, Tong Yuen Factory Building, 505 Castle Peak Road,

Lai Chi Kok, Kowloon, Hong Kong, China

Manufacturer : Shenzhen Casun Electronic Co.,Ltd.

Address: 4/F, B Building, No.8 Eastern Zone, Shangxue Technology Park,

Bantian, Shenzhen, China

2. General Description of EUT

EUT Name		Bluetooth Speaker				
Models No.		BND502				
Product Description	:	Operation Frequency:	Bluetooth V3.0: 2402~2480 MHz			
		RF Output Power:	Bluetooth: -1.154dBm(π /4-DQPSK)			
		Antenna Gain:	-1dBi PCB Antenna			
Power Supply		DC Voltage supplied by USB Cable DC Voltage supplied by Li-ion battery				
Power Rating	ď	DC 5V by USB Cable DC 3.7V by 3000mAh 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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Report No.: TB-MPE155360

Page: 2 of 3

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



Report No.: TB-MPE155360

Page: 3 of 3

2. Calculation:

		BI	uetooth 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	Threshol d Value
2.402	-2.381	-2±1	-1	0.794	0.246	3.0
2.441	-2.357	-2±1	-1	0.794	0.248	3.0
2.480	-2.105	-2±1	-1	0.794	0.250	3.0
	11:33	Bluet	ooth Mode (π/4-DQPSI	K)		
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	Threshol d Value
2.402	-1.450	-1±1	0	1.000	0.310	3.0
2.441	-1.405	-1±1	0	1.000	0.312	3.0
2.480	-1.154	-1±1	0	1.000	0.315	3.0

So standalone SAR measurements are not required.

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