RF Exposure Evaluation

FCC ID: 2AAEJS96

1. Client Information

Applicant	:	SHENZHEN SEELONG TECHNOLOGY COMPANY LTD
Address	:	2F, #6, Meitai Industrial Park, Guanguang Road, Guanlan Town, Bao'an District, Shenzhen, China
Manufacturer	:	SHENZHEN SEELONG TECHNOLOGY COMPANY LTD
Address	:	2F, #6, Meitai Industrial Park, Guanguang Road, Guanlan Town, Bao'an District, Shenzhen, China

2. General Description of EUT

EUT Name	:	Bluetooth headset	
Models No.	:	S96, S91A S91B, S91C, S95, S95L, S96L, N95, N99, BH-320, S98A, S98B, S98C, S98L	
Model Difference	:	The different models are identical in schematic, structure and critical component, the only different is the appearance.	
Product Description	:	Operation Frequency: 2402MHz~2480MHz	
		Number of Channel:	Bluetooth:79Channels
		Max Peak Output Power:	8-DPSK: -1.39 dBm Conducted Power
		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 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.

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MPE Calculations

1. **FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies V05.**
   (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≤50 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

Calculation:
The maximum power is -1.39 dBm(0.726mW) @2.402GHz
Separation Distance: 5mm
For 1-g SAR Result: (0.726mW /5mm) • [$\sqrt{2.402(GHz)}$]= 0.225 <3.0 for 1-g SAR

So standalone SAR measurements are not required.