RF Exposure Evaluation
FCC ID: R5BMS001

1. Client Information

Applicant : Shenzhen Mission Electronic Limited

Address : Building C, Jiu Shun Industrial Zone, Liao Keng Village, Shi Yan, Bao'an District, Shen Zhen City, China

Manufacturer : Shenzhen Mission Electronic Limited

Address : Building C, Jiu Shun Industrial Zone, Liao Keng Village, Shi Yan, Bao'an District, Shen Zhen City, China

2. General Description of EUT

EUT Name	:	Retro Bluetooth Handset	
Models No.	:	Q9, hi-Ring Bluetooth	
Model Difference	:	The different models are identical in schematic, structure and critical component, the only different is the appearance.	
Product Description	:	Operation Frequency: 2406MHz~2476MHz	
		Number of Channel:	Bluetooth:79Channels
		Out Power	GFSK:1.007mW Conducted Power 8DPSK:0.821mW 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 Voltage supplied by Li-ion battery.	
Power Rating	:	DC 5.0V from USB DC 3.7V from Li-ion battery	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

More test information please refer to the RF Test Report.

MPE Calculations

1. **No Evaluation required if power is below**
   （60/f(GHz) mW） where f is the transmit frequency of the EUT.

2. **Calculation:**
   EIRP= P+G
   Where P=Conducted Output Power (dBm)
   G=Power Gain of the Antenna (dBi)

   So

Retro Bluetooth Handset				
GFSK (1MBPS)				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2404 MHz	-1.39	0	-1.39	0.726
2444 MHz	-0.14	0	-0.14	0.968
2479 MHz	0.03	0	0.03	1.007
D-QPSK (3MBPS)				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2404 MHz	-0.86	0	-0.86	0.821
2444 MHz	-1.07	0	-1.07	0.782
2479 MHz	-1.15	0	-1.15	0.767

3. **Conclusion:**
No SAR Evaluation required since Transmitter EIRP is bellow FCC threshold.

Note
For a more detailed features description, please refer to the RF Test Report.