

# RF Exposure Evaluation

## FCC ID: N59-X3M

### 1. Client Information

**Applicant** : SHENZHEN LITCHI COMMUNICATIONS TECHNOLOGY CO., LTD.  
**Address** : No.4-23A19 Hongfa Centre Building, Baoan, Shenzhen, China  
**Manufacturer** : SHENZHEN QINGYING TECHONOLGY CO., LTD.  
**Address** : Building B, Yanchuan, Songgan, Baoan, Shenzhen, China

### 2. General Description of EUT

<b>EUT Name</b>	:	Bluetooth speaker	
<b>Models No.</b>	:	X3M, X3	
<b>Model Difference</b>	:	The different models are identical in schematic, structure and critical component, the only different is the appearance.	
<b>Product Description</b>	:	Operation Frequency: 2402MHz~2480MHz	
		Number of Channel:	79Channels see note (2)
		Out Power	2.636 mW (max) conducted power (4.21 dBm)
		Antenna Gain:	0 dBi
		Modulation Type:	GFSK 1Mbps
<b>Power Supply</b>	:	USB charging from PC. DC voltage from Li-ion battery.	
<b>Power Rating</b>	:	DC 5V from PC USB Port. DC 3.7V from Li-ion battery.	
<b>Connecting I/O Port(S)</b>	:	Please refer to the User's Manual	

#### Note

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

## MPE Calculations

1. No Evaluation required if power is below  
 $(60/f(\text{GHz}) \text{ mW})$  where f is the transmit frequency of the EUT.

2. Calculation:

$$\text{EIRP} = P + G$$

Where P=Conducted Output Power (dBm)

G=Power Gain of the Antenna (dBi)

So

Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
Bluetooth	4.21	0	4.21	2.636

3. Conclusion:

No SAR Evaluation required since Transmitter EIRP is bellow FCC threshold.