RF Exposure Evaluation
FCC ID: R36-SB65H

1. Client Information

Applicant : CURRENT AUDIO

Address : 1830 John Towers Ave., El Cajon, San Diego City, CA 92020, USA

Manufacturer : ShenZhen Ailipu Electronic Co., Ltd.

Address : Block A2, Lanbao Industrial Park, Ditang Road, Shasan Village, Shajing Town, Baoan District, Shenzhen, China

2. General Description of EUT

EUT Name	:	Soundbar	
Models No.	:	SB65, SB80, SB90, SB100, SP-601, SP-602, SP-603, SP-604, SP-605,SP-606, SP-607, SP-608, SP-609	
Model Difference	:	The different models are identical in schematic, structure and critical component, the only different is the appearance.	
Product Description	:	Operation Frequency: RF(2.4G):2404~2479MHz Bluetooth:2402~2480MHz	
		Number of Channel:	RF(2.4G): 16Channels Bluetooth:79Channels
		Out Power:	BT(GFSK):3.784mW Conducted Power 2.4G(FSK):2.547mW Conducted Power
		Antenna Gain:	BT: 0 dBi PCB Antenna RF(2.4G): 2 dBi PIFA Antenna
		Modulation Type:	BT:GFSK 1Mbps RF(2.4G): FSK
Power Supply	:	DC Voltage supplied by AC/DC Adapter.	
Power Rating	:	Input: AC 100~240V 50/60Hz 1.5A max Output: 12V 7A	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

More test information please refer 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)

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Condition 1: Only RF 2.4G				
TX Mode(2.4G FSK)				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2404 MHz	4.06	2	6.06	4.037
2444 MHz	3.80	2	5.80	3.802
2479 MHz	3.43	2	5.43	3.492
Condition 2: Only Bluetooth				
TX Mode(BT GFSK)				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2402 MHz	5.35	0	5.35	3.428
2441 MHz	5.66	0	5.66	3.681
24780 MHz	5.78	0	5.78	3.784
Condition 3: RF 2.4G+Bluetooth worst case				
RF 2.4G Peak Power (mW)	RF 2.4G Peak Power (mW)	Total Power (mW)		
4.037	3.784	7.821		

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

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