

RF Exposure Evaluation

FCC ID: R36-SB65S

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	
		Number of Channel:	16 Channels
		Out Power	0.817mW Conducted Power
		Antenna Gain:	2 dBi PIFA Antenna
		Modulation Type:	FHSS(FSK)
Power Supply	:	AC Voltage supplied from AC power cable.	
Power Rating	:	Input: AC 100~240V 50/60Hz	
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
 $(60/f(\text{GHz}) \text{ mW})$ where f is the transmit frequency of the EUT.

2. Calculation:

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

Where P=Conducted Output Power (dBm)

G=Power Gain of the Antenna (dBi)

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Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2404 MHz	-0.88	2	1.12	1.294
2444 MHz	-1.13	2	0.87	1.222
2479 MHz	-1.39	2	0.61	1.151

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.