

RF Exposure Evaluation

FCC ID: RC8-H1

1. Client Information

Applicant : VIVICK Interaction (Beijing) Technology Co.,Ltd
Address : R1404, 42 Dongzhimenwai Street, Dongcheng District, Beijing,China
Manufacturer : VIVICK Interaction (Beijing) Technology Co.,Ltd
Address : R1404, 42 Dongzhimenwai Street, Dongcheng District, Beijing,China

2. General Description of EUT

EUT Name	:	Bluetooth Stereo Headphone	
Models No.	:	H1, H2	
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:4.159mW Conducted Power 8DPSK:4.150mW Conducted Power
	:	Antenna Gain:	3.44 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
 $(60/f(\text{GHz}) \text{ mW})$ 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)

So

Retro Bluetooth Handset				
GFSK (1Mbps)				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2402 MHz	6.19	3.44	9.63	9.183
2441 MHz	5.99	3.44	9.43	8.770
2480 MHz	5.84	3.44	9.28	8.472
D-QPSK (3Mbps)				
Test Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2402 MHz	6.18	3.44	9.62	9.162
2441 MHz	4.76	3.44	8.20	6.607
2480 MHz	4.35	3.44	7.79	6.012

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.