

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Fashion Headphones with Bluetooth 5.4 EDR function operating in 2402-2480MHz. The EUT is powered by DC 5V from adapter or DC 3.7V from battery. For more detail information pls. refer to the user manual.

The Bluetooth don't work while charging.

Antenna Type: Integral antenna

Modulation Type: GFSK, $\pi/4$ -DQPSK and 8-DPSK

Antenna Gain: 1.57dBi Max

Bluetooth Version: 5.4 EDR (Single Mode)

The nominal conducted output power specified: -6.0 dBm (± 5 dB)

According to the KDB 447498 D04 Interim General RF Exposure Guidance v01:

The maximum conducted output power for the EUT is -6.20dBm in the frequency 2.480GHz which is within the production variation.

The minimum conducted output power for the EUT is -7.54dBm in the frequency 2.402GHz which is within the production variation.

The maximum conducted output power specified is -1.0 dBm = 0.794mW

The maximum ERP specified is -1.0dBm - 2.15dB + 1.57 dBi = -1.58dBm = 0.695mW

The maximum EIRP specified is -1.0dBm + 1.57dBi = 0.57dBm = 1.140mW

Mode	Location	Distance from ANT (mm)	Max. tune-up Power (mW)	Exemption with Max. Allowed Power (1g,mW)	SAR Test
EDR	Front Side	5	0.695mW	2.79	N/A
	Back Side	5		2.79	N/A
	Top Side	5		2.79	N/A
	Bottom Side	5		2.79	N/A
	Left Side	5		2.79	N/A
	Right Side	5		2.79	N/A

Since max. conducted output power and ERP is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.