

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Virtual Reality Smartphone Viewer with Headphones Bluetooth with Bluetooth function operating at 2.4G Band. The EUT can be powered by the fully-charged DC 3.7V, 180mAh new rechargeable battery which was charged by USB port (DC 5V). For more detail information pls. refer to the user manual.

Bluetooth Version: 4.2 ERD (single mode)

Antenna Type: Integral antenna.

Antenna Gain: 0dBi.

The normal radiated output power (e.i.r.p) is: -3.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -3.0dBm (tolerance: +/- 3dB).

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

According to the KDB 447498:

The Maximum peak radiated emission for the EUT is 91.9dB μ V/m at 3m in the frequency 2441MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -3.33dBm

which is within the production variation.

The Minimum peak radiated emission for the EUT is dB μ V/m at 3m in the frequency 2480MHz

The EIRP = $[(FS \cdot D)^2 / 30]$ mW = -3.83dBm

which is within the production variation.

The maximum conducted output power specified is 0dBm =1.0mW

The source- based time-averaging conducted output power

=1.0* Duty cycle mW <1.0 mW(Duty cycle <100%)

The SAR Exclusion Threshold Level:

= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)

= 3.0 * 5 / sqrt (2.480) mW

= 9.53 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.