

Safety Human Exposure

Radio Frequency Exposure Compliance

Electromagnetic Fields

RESULT:

Pass

Test Specification

Test standard : CFR47 FCC Part 2.1093
RSS 102 Issue 5
Limit : FCC KDB Publication 447498 v06
RSS 102 Issue 5, Clause 2.5.1

Measurement Record:

The minimum distance for the EUT is less than 5mm.

The maximum tested e.i.r.p.: $-0.35\text{dBm} = 0.923\text{mW}$

The maximum specified e.i.r.p.: $1.0\text{dBm} = 1.26\text{mW}$

Antenna Gain: 1.7dBi

For FCC, according to KDB 447498 D01 v06 4.3.1 a):

The maximum specified output power of the transmitter is 1.0dBm (1.26mW), which is below the SAR exclusion threshold level in Bluetooth Band 9.5mW , hence the EUT is exempted from routine evaluation.

For IC, according to RSS 102 Issue 5, Clause 2.5.1:

The maximum specified peak output power & e.i.r.p. of the transmitter is 1.0dBm (1.26mW), which is below the SAR exclusion threshold level in Bluetooth band $4\text{mW} \approx 6.02\text{dBm}$, hence the EUT is exempted from routine evaluation.