

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test item	: Bluetooth Speaker
Identification / Type No.	: X5i
FCC ID	: VHF-BLUEANT-X5I
Test standard	: CFR47 FCC Part 2: Section 2.1093 FCC KDB Publication 447498 v06

Measurement Record:

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

For Bluetooth Chip1 stand-alone:

Since maximum peak output power of the transmitter is 0.20 dBm ≈ 1.05 mW $< \frac{3*d}{\sqrt{f}} = 9.52$ mW.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

For Bluetooth Chip2 stand-alone:

Since maximum peak output power of the transmitter is 7.02 dBm ≈ 5.04 mW $< \frac{3*d}{\sqrt{f}} = 9.52$ mW.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

For Bluetooth Chip1 and Bluetooth Chip2 working simultaneously:

Since sum maximum peak output power of the transmitter for Bluetooth Chip1 and Bluetooth Chip2 is

1.05 mW + 5.04 mW = 6.09 mW $< \frac{3*d}{\sqrt{f}} = 9.52$ mW.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.