

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test item	: VALLHORN Motion Sensor
Identification / Type No.	: E2134
FCC ID	: FHO-E2134
IC	: 10912A-E2134
Test standard	: CFR47 FCC Part 2: Section 2.1093 FCC KDB Publication 447498 v06 RSS-102 Issue 5 February 2021

Measurement Record:

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

For FCC:

Since maximum peak output power of the transmitter is 3.1 dBm ≈ 2.04 mW $< \frac{3 \cdot d}{\sqrt{f}} = 9.67$ mW.

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

For IC:

The maximum output power of the transmitter is 4.71 dBm $\approx (2.96$ mW), which is below the SAR exclusion threshold level 4 mW ≈ 6.02 dBm.

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.