

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test item	:	Smart Contact Sensor
Identification / Type No.	:	VS1
FCC ID	:	2ARYG-VS1
IC	:	25042-VS1
Test standard	:	CFR47 FCC Part 2: Section 2.1093 FCC KDB Publication 447498 v06 RSS-102 Issue 5 March 2015

Measurement Record:

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

Since maximum peak output power of the transmitter is $-0.7 \text{ dBm} \approx 0.85 \text{ mW} < \frac{3 \cdot d}{\sqrt{f}} = 9.52 \text{ mW}$.

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

The maximum peak output power of the transmitter is -0.7 dBm (0.85 mW), which is far below the SAR exclusion threshold level $4 \text{ mW} \approx 6.02 \text{ dBm}$.

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