

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test item	: 2 Channel RF Remote
Identification / Type No.	: RS2004
FCC ID	: 2A2WY-RS2004
IC	: 27625-RS2004
HVIN	: RS2004
Test standard	: CFR47 FCC Part 2: Section 2.1093 CFR47 FCC Part 1: Section 1.1310 FCC KDB Publication 447498 v06 RSS-102 Issue 5 February 2015

Measurement Record:

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

For FCC:

Since maximum peak output power of the transmitter is $-18.1 \text{ dBm} \approx 0.02 \text{ mW} < \frac{3 \cdot d}{\sqrt{f}} \approx 22 \text{ mW}$.

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

For IC:

The maximum e.i.r.p. of the transmitter is $-18.1 \text{ dBm} \approx (0.02 \text{ mW})$, which is below the SAR exclusion threshold level 52 mW (Frequency 450MHz Limit)

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