

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Report No. : CN24NAPE 002
Test Specification
Test item : Zigbee Green Power Device - 4 button Switch
Identification / Type No. : SWS201
FCC ID : 2AGBW-SWS201
IC: 20812-SWS201
HVIN : SWS201
Test standard : CFR47 FCC Part 2: Section 2.1093
FCC KDB Publication 447498 D01
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 4.10 dBm ≈ 2.57 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 IC:

The maximum e.i.r.p. of the transmitter is 5.97 dBm ≈ 3.95 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.