

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test standard : CFR47 FCC Part 2: Section 2.1093
FCC KDB Publication 447498 D01 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 1.45 dBm $\approx 1.40 \text{ mW} < \frac{3 \cdot d}{\sqrt{f}} = 9.56 \text{ mW}$.

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 1.45 dBm (1.40 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.