

Radio frequency radiation exposure evaluation: portable devices

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test item	: NFC Reader
Identification / Type No.	: CM04-A02
FCC ID	: 2BFHR-CM04-A02
Test standard	: CFR47 FCC Part 2: Section 2.1093 FCC KDB Publication 447498 v06

Measurement Record:

$$\text{EIRP[dBm]} = \text{E[dBuV/m]} - 95.2 = 56.17 - 95.2 = -39.03 \text{ dBm}$$

Since maximum peak output power of the transmitter is -39.03 dBm $\approx 0.0001\text{mW} < 39\text{mW}$.

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