

Radio frequency radiation exposure evaluation: portable devices

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test item	: <u>Robot Vacuum Cleaner</u>
Identification / Type No.	: RS800
FCC ID	: 2BCFL-RS800
Test standard	: CFR47 FCC Part 2: Section 2.1093 FCC KDB Publication 447498 v06

Measurement Record:

$EIRP[dBm] = \text{maximum peak output} + \text{antenna Gain} = 1.54dBm + 2.5dBi = 3.04dBm$
Since maximum peak output power of the transmitter is $3.04\text{ dBm} \approx 2.01\text{mW} < 10\text{mW}$.

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