



RF Exposure Analysis – BLUE Coffee Machine
FCC ID: 2AUF9B10
Contains FCC ID: VPYLB1DX
Analysis for FCC portable use

13.56MHz

N/A – there are no SAR test procedures for <100MHz operation

2.4GHz

Standalone SAR test exclusion considerations are defined in KDB 447498D01 (v06) Chapter 4.3.1 (b), where the 10-g extremity SAR exclusion threshold for >50mm separation distance is defined by the following formula:

Test exclusion threshold = $\{7.5 + [(test\ separation\ distance - 50\ mm) \cdot 10]\}$ mW

For the O by Nespresso, antenna separation distance to the user is 20cm.

Test exclusion threshold = $\{7.5 + [(200 - 50\ mm) \cdot 10]\} = 1507.5\text{mW}$

For the O by Nespresso the maximum conducted output power is 0.174W max (from module grant FCC ID: VPYLB1DX)

ie: this demonstrates the coffee machine meets the criteria for 10-g extremity SAR test exemption.