

Analysis Report

The Equipment Under Test (EUT) is a toy with RFID Transceiver. When a tag is put on the EUT, the EUT will make sound and flashing light. The Equipment Under Test (EUT) operates at a single channel, 13.56MHz. The EUT is powered by a 120VAC adaptor.

Antenna Type: Internal, Integral

Antenna Gain: 0dBi

Nominal rated field strength: 58.7dB μ V/m (Quasi-peak) at 3m,

Maximum allowed field strength of production tolerance: +/- 3dB

Radiated Power (maximum)

= 61.7 (0.0004 mW)

The SAR Exclusion Threshold Level for 13.56MHz when minimum test separation distance < 50 mm:

= $[474 * (1 + \log_{10} 100/f(\text{MHz}))]/2$

= 442.7 mW

Since the above conducted output power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.