Analysis Report

FCC ID: 2AI9VCP-SA01

The Equipment-Under-Test (EUT) is a Mug/Candle Warmer with Bluetooth. The EUT contains a heater, a 5V USB charging port and a Bluetooth 3.0 radio with audio playback. The EUT can accept wireless audio signal via Bluetooth devices. The EUT has internal power amplifier and loudspeaker. It is powered 120VAC.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 88.2dBµV/m at 3m Allowed field strength of production tolerance: +/- 3dB

According to the KDB 447498:

Based on the Maximum allowed field strength of production was $91.2dB\mu V/m$ at 3m, thus;

The EIRP = $[(FS*D)^2*1000 / 30] = 0.395mW$

Conducted power = Radiated Power (EIRP) – Antenna Gain So;

Conducted Power = 0.395mW.

The SAR Exclusion Threshold Level:

- = 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
- = 3.0 * 5 / sqrt (2.480) mW
- = 9.53 mW

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