



CTK Co., Ltd.
The Prime Leader of Global Regulatory Compliance

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www.e-ctk.com

RF EXPOSURE EVALUATION

Applicant : Haier US Appliance Solutions, Inc.

Applicant Address : Appliance Park, AP2-226, Louisville, KY 40225,
United States

Kind of Product : NewFI Mobile

**Equipment
model name** : BCEA001

FCC ID : ZKJ-BCEA001

**Certification
Number ISED** : 10229A-BCEA001

Antenna type : Chip antenna

Antenna Gain : 2.07 dBi



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** MPE Calculations **

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user. The MPE calculation for this exposure is shown below.

The peak radiated output power (EIRP) is calculated as follows:

$EIRP = P + G$	Where, P = Power input to the antenna (mW) G = Power gain of the antenna (dBi)
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The numeric gain(G) of the antenna with a gain specified in dB is determined by:

$$G = \text{Log}^{-1} (\text{dB antenna gain} / 10)$$

Power density at the specific separation:

$S = PG / (4R^2\pi)$	Where, S = Maximum power density (mW/cm ²) P = Power input to the antenna (mW) G = Numeric power gain of the antenna R = Distance to the center of the radiation of the antenna (20cm = limit for MPE)
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The Maximum permissible exposure (MPE) for the general population is 1 mW/cm² .
The power density at 20cm does not exceed the 1 mW/cm² limit.

2402 – 2480 MHz

Mode	P (dBm)	P (mW)	G (dBi)	R (cm)	S (mW/cm ²)
Bluetooth	8.412	6.94	2.07	20	0.0022