

Company Name	Honeywell International, Inc.
Model #	TH8320WF
FCC ID #	HS9-TH8320WF01
IC #	573R-TH8320WF01

The following exemption calculations are based on a RF Conducted measurement of 14.57 dBm and a calculated antenna gain of 4dBi as measured over a ground plane and measured from the antenna port.

The output power is less than 5W and exempt from evaluation as stated in Industry Canada RSS-102 section 2.5.2.

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal: 14.57 (dBm)

Maximum peak output power at antenna input terminal: 28.642 (mW)

Antenna gain(typical): 4 (dBi)

Maximum antenna gain: 2.512 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 2412 (MHz)

PE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: 0.014313 (mW/cm²)

Maximum allowable antenna gain: 22.4 (dBi)

Margin of Compliance at 20 cm = 18.4 dB