H.B. Compliance Solutions

# Maximum Permissible Exposure Statement

For the

**Hiber Inc.**

**LPGAN Modem Model CN2**

March 7, 2019

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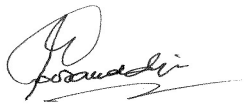

Hoosamuddin Bandukwala

Cert # ATL-0062-E

## Prediction of MPE limit at a given distance

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

**$S = PG/4\pi R^2$**

Where,

S = power density (mW/cm2)
P = output power at the antenna terminal (mW)
G = gain of transmit antenna (numeric)
R = distance from transmitting antenna (cm)

Maximum peak output power at antenna input terminal = 31.12 (dBm) *
Maximum peak output power at antenna input terminal = 1294.1 (mW)
Antenna gain (typical) = 0 (dBi)
Maximum antenna gain = 1.0 (numeric)
Prediction distance = 30 (cm)
Prediction frequency = 399.9 (MHz)
MPE limit for uncontrolled exposure at prediction frequency = 0.267 (mW/cm^2)
*Power density at prediction frequency = 0.11442 (mW/cm^2)*

*Includes 1dB of manufacturer output power tolerance.

To solve for the minimum mounting distance required;

**$R = \sqrt{(PG/4\pi S)}$**

*$R = \sqrt{(346 \times 1.4 / 4\pi \times 0.11442)}$ = 30 cm* (Based on continuous transmission)

**END OF TEST REPORT**