



FCC ID: HLG- INTELFLEXBS
IC: 3065A- INTELFLEXBS

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : JTECH Communications, Inc.
6413 Congress Avenue Suite 150, Boca Raton, Florida,
United States 33487

Product Name : IntelFlex™ Controller

Type/Model : Base Station

According to §2.1091 and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The $S = PG / (4\pi R^2)$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

As we can see from the test report SH11070245-002:

The maximum P = 33.14dBm = 2060.630mW

G = 2.0dBi = 1.585

Here R is chosen to be 25cm,

$$S = PG / (4\pi R^2) = 2060.630 * 1.585 / (4 * 3.14 * 25 * 25) = 0.42\text{mW/cm}^2$$

This level is below the 1 mW/cm² MPE for General Population / Uncontrolled Exposure as stated in OET BULLETIN 65 Edition 97-01.

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Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 25 cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.