FCC 1.1310(b), Maximum Permissible Exposure Calculations
RSS133 Subclause 8 Exposure of Humans to RF Field
Date of Report: April 30th, 2005

Calculations prepared for: Calculations prepared by:

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Model Number: Belkin TuneStage
                     F8Z901-TX,
                     F8Z901-RX
FCC Identification: NA

Fundamental Operating Frequency: 2402-2480 MHz

Maximum Rated Output Power: 0.00100W
Measured Output Power: 0.00111W

MPE Limit in accordance with 1.1310(b): Limits for general population/uncontrolled exposure

MPE Limit for 2402-2480 MHz = 1 mW/cm^2 (10 W/m^2) 1

Power Output (Watts)	Power Density Limit (mW/cm^2)	Minimum Distance (Meters)
0.00111	1	**0.003**

$$\text{Power Density (W/m}^2) = \frac{30 \text{ x } P_t \text{ x G}}{d^2 \text{ x } Z_0}$$

P_t = Power Delivered to the Antenna   G = Antenna Gain
d = Distance in meters   Zo = Impedance of Free Space

The typical antennas to be used with the EUT which under normal operation has an antenna separation of at least 0.1 m from human body. As can be seen from the MPE result, this device passes the limit specified in 1.1310 at a distance of 0.003 meter.

Calculation:

$$d = \sqrt{\frac{30 \text{ x } 0.00111 \text{ x } 1}{10 \text{ x } 377}}$$

= 0.003 meter.