

## RF Exposure

Test Requirement:	FCC 47CFR 15.247(i)
FCC ID	BOUSBT30
Test Date:	2012-4-16
Ambient Temperature:	23 °C
Relative Humidity:	57 %
Mode of Operation:	Tx mode

## Test Method:

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 levels in excess of the Commission's guidelines.

## Test Results:

The EUT complied with the requirement(s) of this section.

EUT meets the requirements of these sections as proven through MPE calculation

The MPE calculation for EUT @ 20cm

Based on the highest P =1.46 mW

$$\begin{aligned} P_d &= PG / 4\pi R^2 = (1.46 \times 1.0) / 12.566 \times (20)^2 \\ &= (1.46) / 12.566 \times 400 = 1.46 / 5026.4 \\ &= 0.00029 \text{ mW/cm}^2 \end{aligned}$$

where:

\*Pd = power density in mW/cm<sup>2</sup>

\* G = Antenna numeric gain (1); Log G = g/10 ( g = 0 dBi ).

\* P = Conducted RF power to antenna (1.46 mW).

\* R = Minimum allowable distance.(20 cm)

\*The power density Pd = 0.00025 mW/cm<sup>2</sup> is less than 1 mW/cm<sup>2</sup> (listed MPE limit)

\*The SAR evaluation is not needed ( this is a desk top device, R> 20 cm )

\* The EUT( antenna ) must be 0.2 meters away from the General Population.