## **RF Exposure**

Test Requirement: FCC 47CFR 15.247(i)

Test Date: 2017-6-15 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. This evaluation used FCC 47CFR 2.1091 to perform.

## **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 = 0.47 mW

```
Pd = PG/4pi*R^2 = (0.47 \times 0.84)/12.566* (20)^2
= (0.3948)/12.566 \times 400 = 0.3948/5026.4
= 0.0000785mW/cm<sup>2</sup>
```

## where:

- \*Pd = power density in mW/cm2
- \* G = Antenna numeric gain (0.84); Log G = g/10 (g = -0.76dBi).
- \* P = Conducted RF power to antenna (0.47 mW).
- \* R = Minimum allowable distance.(20 cm)
- \*The power density  $Pd = 0.0000785 \text{ mW/cm}^2$  is less than  $1 \text{ mW/cm}^2$  (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.