RF Exposure

Test Requirement: Test Date: Mode of Operation: FCC 47CFR 15.247(i) 2021-06-25 **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 = 1.259 mW

Pd = PG/4pi*R² = $(1.259 \times 0.87)/12.566*(20)^2$ = $(1.095)/12.566 \times 400= 1.095/5026.4$ = 0.000218mW/cm²

where:

*Pd = power density in mW/cm2

* G = Antenna numeric gain (0.87); Log G = g/10 (g = -0.58dBi).

* P = Conducted RF power to antenna (1.259 mW).

* R = Minimum allowable distance.(20 cm)

*The power density $Pd = 0.000218 \text{mW/cm}^2$ is less than 1 mW/cm² (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.