RF Exposure

Test Requirement: Test Date: Mode of Operation: FCC 47CFR 15.247(i) 2020-12-10 **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 Tolerance Power =1.294 mW

Pd = PG/ 4pi*R² = $(1.294 \times 1)/12.566 \times (20)^2$ = $(1.294)/12.566 \times 400 = 1.294/5026.4$ = 0.000257mW/cm^2

where:

*Pd = power density in mW/cm2

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

*Tolerance Range(-0.5, 0.5)dB

* P = Conducted RF power to antenna (1.294mW).

* R = Minimum allowable distance.(20 cm)

*The power density $Pd = 0.000257 \text{mW/cm}^2$ 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.