RF Exposure evaluation
FCC ID: 2A9T3-RF485C

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

   f(GHz) is the RF channel transmit frequency in GHz

   Power and distance are rounded to the nearest mW and mm before calculation

   The result is rounded to one decimal place for comparison

433.92MHz

Field strength = 85.26dBuV/m @3m

Ant gain =-21.73 dBi ;so Ant numeric gain= 0.01

So EIRP=85.26-95.2=-9.97dBm, Conducted output power=0.0001W/0.01=0.01W=10dBm

Power (dBm)	Power (mW)	Distance (mm)	Freq (GHz)	SAR Test Exclusio	SAR Limit
10	10.0000000	5	0.43392	1.317452	≤ 3.0 for 1-g SAR

Then SAR evaluation is not required