FCC ID: 2ATSM-COR2TH

According to 447498 D01 General RF Exposure Guidance v05

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)] $[\sqrt{f(GHz)}] \le 3.0$ 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

eirp = pt x qt = $(EXd)^2/30$ where: pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless), 10^{((dBuV/m)/20)}/10⁶

E = electric field strength in V/m,

d = measurement distance in meters (m) ---3m

So pt = $(EXd)^2/30 \times gt$

Field strength = 95.63dBuV/m @3m Ant gain =1.6dBi, so Ant numeric gain=1.445

So pt={ $[10^{(95.63/20)}/10^6 \times 3]^2/30\times1.445$ } $\times 1000 \text{ mW} = 0.759 \text{mW}$

So $(0.759 \text{mW} / 5) \text{x} \sqrt{2.402} = 0.235 < 3$

Then SAR evaluation is not required