

FCC ID: 2AFGK-SM3965

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 \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\left[\sqrt{f(GHz)}\right] \le 3.0$ 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 gt = $(EXd)^2/30$ where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

 $E = electric field strength in V/m, --- 10^{((dBuV/m)/20)}/10^6$

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

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

Field strength = 95.62dBuV/m @3m Ant gain = 1.9dBi; so Ant numeric gain=1.55

So pt={[$10^{(95.62)}/10^6 x3$]²/(30x1.55)}x1000mW =0.707mW So (0.707mW /5mm)x $\sqrt{2.441}=0.221<3$

Then SAR evaluation is not required