

FCC §1.1307 & §2.1093 - RF EXPOSURE

Conclusion:

It was determined that this device is exempt from SAR testing based on an analysis of the time-averaged RF output power. The threshold was determined from KDB 447498 v5, 4.3.1 “Standalone SAR test exclusion considerations”

FCC ID.: AMWUP689R

Model(s): EXP11000

Manufacturer: Uniden America Corporation

Type of equipment: Cordless Telephone

Operating frequency:	1921.536 - 1928.448 MHz
Maximum RF output power (conducted):	19.02dBm (79.8mW)
Duty Cycle:	0.41 ms / 10.046 ms = 0.041
Maximum source-based time-averaged power:	3.27mW

Calculation of threshold per KDB 447498 D01 General RF Exposure Guidance v05, 4.3.1(1)

“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: ”

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})]$

* $[\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f_{(\text{GHz})}$ 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.

For this case;

$f_{(\text{GHz})} = 1.921536$

Minimum separation distance = 5 mm

Maximum power = 3.27 mW

Therefore;

$$\left(\frac{3.27\text{mW}}{5\text{mm}}\right) * \sqrt{1.921536} = 0.91$$

$0.91 < 3.0$ and < 7.5 , therefore the equipment is excluded from SAR testing.

Values are from BACL test report no. RSZ140603005-00PP