



166 South Carter, Genoa City, WI 53128

## RF Exposure Compliance

**Company:** Roche Diabetes Care  
**Model:** 897  
**Formal Name:** Accu-Chek Guide Me

**Rule Part:** CFR 47 Part 1.1307(b)  
CFR 47 Part 2.1093

**Test Procedure:** FCC 447498 D01 General RF Exposure Guidance v06  
4.3. General SAR test exclusion guidance  
4.3.1. Standalone SAR test exclusion considerations

**Limits:** 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:

$$\left[ \frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:}$$

$f(\text{GHz})$  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.

When the minimum *test separation distance* is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

**Output Power:** This is a portable device. The maximum peak conducted output power measured -2.3 dBm. The declared maximum output target value plus acceptable production tolerances is 0 dBm. Maximum antenna gain = 6.2 dBi. The maximum peak e.i.r.p. = 0 dBm + 6.2 dBi = 6.2 dBm = 4.17 mW

**Exclusion threshold:**  $[4 \text{ mW} / 5 \text{ mm}] \times \sqrt{2.480 \text{ GHz}} = 1.3$

**Results:** **1.3 is  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.**  
SAR measurement is not necessary.