

SAR Test exclusion documentation according to FCC KDB 447498 and RSS-102

Report identification number: 1-9417/15-05-04-A

Certification numbers and labeling requirements	
FCC ID	WX3-126
IC number	3100A-126
HVIN (Hardware Version Identification Number)	930
PMN (Product Marketing Name)	Accu-Chek Guide
FVIN (Firmware Version Identification Number)	1.8.3
HMN (Host Marketing Name)	-/-

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EUT technologies:

Technologies:	Max. power: (AVG)	Max. gain:	Min. pathloss:
Bluetooth LE	Declared: 0 dBm Maximum tune-up: +1.5 dBm	0.0 dBi	0 dB (if applicable)

Note:

Bluetooth LE test results see CETECOM test report 1-9417/15-05-03

SAR test exclusion according to KDB447498 (General RF Exposure Guidance v05)

Equation from Chapter 4.3.1: Standalone SAR test exclusion considerations page 11 and ff.

(1) Standalone SAR test exclusion for 100 MHz to 6 GHz at test separation distances $\leq 50\text{mm}$

$$(\text{Threshold}_{1\text{-g};10\text{-g}}) \times d_{\text{separation}} / f^{0.5}$$

where

$\text{Threshold}_{1\text{-g};10\text{-g}}$ is 3 for 1-g; 7.5 for 10-g

$d_{\text{separation}}$ is the min. test separation distance; 5mm is used if the distance is less

f is the RF channel transmit frequency

The table below gives the calculated maximal power that could be used for source based time averaged conducted or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

f in [MHz]	$d_{\text{separation}}$ [mm]	$\text{Threshold}_{1\text{-g}}$	Powerlimit [mW]	$P_{\text{max-declared}}$ [mW]	Exclusion
2450.00	5	3	9.58	1.41	yes

SAR test exclusion according to RSS-102 Issue 5 Section 2.5.1/Table 1

The table below gives the calculated maximal power that could be used for source based time averaged conducted or radiated power, adjusted for tune up tolerance. If this is at or below the calculated value the DUT is exempted from SAR evaluation.

f in [MHz]	$d_{\text{separation}}$ [mm]	tissue volume	Powerlimit [mW]	$P_{\text{max-declared}}$ [mW]	Exclusion
2450.00	5	1 g	4.00	1.41	yes

Note: Measured antenna gain is < 0 dBi. Therefore the calculation was done with a maximum of 0 dBi.