

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

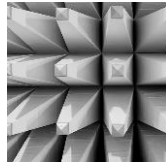
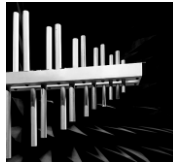
Report identification number: 1-0682/15-02-12

Certification numbers and labeling requirements	
FCC ID	U28AUMRIT
IC number	1350B-AUMRIT
HVIN (Hardware Version Identification Number)	Aurora mini RITE
PMN (Product Marketing Name)	Aurora nini RITE
FVIN (Firmware Version Identification Number)	-/-
HMN (Host Marketing Name)	-/-

This test report is electronically signed and valid without handwriting signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorized:

Thomas Vogler
Lab Manager
Radio Communications & EMC



EUT technologies:

Technologies:	Max. power: (AVG)	Max. gain:	Min. pathloss:
Bluetooth Low Energy	Declared: -2 dBm Maximum tune-up: 3.0 dBm	3.0 dBi	0 dB (if applicable)
3.84 MHz module)*	---	Fieldstrength 45.11 dBμV/m @ 1 m	0 dB (if applicable)

Note:

Bluetooth LE test results see CETECOM test report 1-0682/15-02-07

3.84 MHz test results see CETECOM test report 1-0682/15-02-06

)* exempted from routine evaluation

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 ≤ 50mm

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

where

Threshold_{1-g;10-g} is 3 for 1-g; 7.5 for 10-g

d_{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 _{separation} [mm]	Threshold _{1-g}	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
2450.00	5	3	9.58	2.50	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 _{separation} [mm]	tissue volume	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
2450.00	5	1 g	4.00	2.50	yes