



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

Report identification number: 1-3949/22-01-16 Exclusion (FCC)

contains the module with the following certification numbers	
FCC ID	2ACAHU5CIC

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

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EUT technologies:

Technologies:	Max. declared cond. AVG Power	Max. measured EIRP @ 3m
NFMI 3.84 MHz	-48.0 dBm (=15 nW)*	51.2 dBμV (Peak) = -44.0 dBm (=39.8 nW)

*: Declared by manufacturer

NFMI:

(c) (2) Standalone SAR test exclusion below 100 MHz < 50mm

$$0.5 \times (\text{Threshold}_{100\text{MHz}}) \times (1 + \log(100/f))$$

where

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

f is the RF channel transmit frequency

Threshold_{100MHz,50mm} is Threshold_{1-g;10-g} × d / f^{0.5} ; with f = 100MHz and d=50mm

The table below gives the calculated maximal power that could be used for source based time averaged conducted power, adjusted for tune up tolerance. If this is below the calculated value SAR testing is excluded.

frequency [MHz]	Threshold _{1-g;10-g}	Threshold _{100MHz,50mm}	Powerlimit [mW]	P _{max-declared}		Exclusion
				[dBm]	[mW]	
3.84	3	474.34	572.93	-44.00	0.0	yes

This prediction demonstrates the following:

The power density levels for FCC that are larger than the minimum safety-distances stated above, are below the maximum levels allowed by regulations.