

FCC ID: 2AD7G0001
IC: 12729A-0001
HVIN: AL285X3AQ6, AL285X5AQ6, FC-285X5B4/6
PMN: AL285X3AQ6, AL285X5AQ6, FC-285X5B4/6



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

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

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 power, adjusted for tune up tolerance. If this is below the calculated value SAR testing is obsolete.

f in [MHz]	d _{separation} [mm]	Threshold _{1-g;10-g}	Powerlimit [mW]	P _{max-declared} [mW]	Exclusion
2480.00	5	3	9.53	0.3	yes

Exemption Limits for Routine Evaluation – SAR Evaluation according RSS-102 Issue 5, 2.5.1

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune - up tolerance) for the specified separation distance defined in Table 1 of RSS-102.

Frequency	Exemption limits At separation distance of ≤5 mm	P _{max-declared}	Exemption
2450 MHz	4 mW	0.3 mW	yes

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