FCC ID: 2BCP2-X39

RF Exposure Evaluation

According to KDB 447498 and part 2.1093, Unless specifically required by the *published RF exposure KDB procedures*, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding *SAR Test Exclusion Threshold* condition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

f_(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

Here, For 2.4G

2407MHz: 97.66 dBuV+20log(3)-104.7=2.502 dBm

tune-up power. (dBm)	Max. tune-up power. (dBm)	tune-up power. (mW)	Frequency(MHz)	Min. distance(mm)	Calc. thresholds	limit
2.502 ± 1	3.502	2.240	2407	5	0.695	3.0

Note: Result= $P\sqrt{F}/D$

P=Maximum turn-up power in mW

F=Channel frequency in GHz

D=Mininmun test separation distance in mm

So a SAR test is not required