

FCC ID: 2A5YJ-K818

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 ≤ 5.0 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)] $\cdot [\sqrt{f_{(GHz)}}] \le 3.0$ for 1-g SAR, and ≤ 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 Bluetooth

EDR BT-worst mode and channel								
Frequency	Max Power	Tune up tolerance Maximum tun		tune-up				
(MHz)	(dBm)	(dBm)	(dBm)	(mW)				
8-DPSK-	-0.465	0+1	1	1.2589				
2441MHz	-0.405	0 1	I	1.2309				

Maxtune-up Power (dBm)	Max tune-up Power (mW)	Frequency (MHz)	Min. distance (mm)	Calc. thresholds	limit
1	1.2589	2402	5	0.3902	3.0

So a SAR test is not required











