



## 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  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

$f_{\text{(GHz)}}$  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

### Tune-up Power

Modulation Type	Frequency (MHz)	Output Power to antenna (dBm)	Output Power to antenna (mW)	Tune-up Power(dBm) $\pm 1$	Maxmun Tune-up Power(dBm)
GFSK	2402	-0.40	0.91	-1	0
	2440	-1.13	0.77	-2	-1
	2480	-1.70	0.68	-2	-1

Frequency (MHz)	Mode	Maximum Output power to antenna (dBm)	Output power to antenna (mW)	Calculation Value	limit
2402MHz	GFSK	0	1	0.31	3.0

Antenna Gain:0.41 dBi

Min. Distance 5mm

So a SAR test is not required