

FCC ID: 2BK5W-YMP-A1

## **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)]  $\cdot [\sqrt{f_{(GHz)}}] \le 3.0$  for 1-g SAR, and  $\le 7.5$  for 10-g extremity SAR, where

f<sub>(GHz)</sub> 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, BT EDR

Frequency (MHz)	Modulation	Target (dBm)	Tolerance±1 (dB)
2402MHz	GFSK	-2	-1
2402MHz	π /4-DQPSK	-1	0
2402MHz	8-DPSK	0	1

## WIFI

Modulation	Frequency (MHz)	Target (dBm)	Tolerance±1 (dB)	
802.11b	2412MHz	6	7	
802.11g	2462MHz	6	7	
802.11n(HT20)	2437MHz	6	7	
802.11n(HT40)	2437MHz	6	7	

BT EDR								
Max Power(dBm) Max Power(mW) Frequency(MHz) Min. distance(		Min. distance(mm)	Calc. thresholds	limit				
0	1.0	2402	5	0.31	3.0			
2.4G WIFI								
7	5.01	2437	5	1.565	3.0			

So a SAR test is not required

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