RF Exposure Evaluation

According to *KDB* 447498 *D01 General RF Exposure Guidance v06* 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 5 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)] $\cdot \left[\sqrt{f_{(GHz)}}\right] \le 3.0$ 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

BT(BR+EDR)								
Mode	Freque ncy (MHz)	Max Power (dBm)	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Max Power (mW)	Min. Distance (mm)	Calc. thresholds	limit
	2402	-0.39	-1±1.0	0.0	1.000	5.00	0.310	3.0
GFSK	2441	-0.48	-1±1.0	0.0	1.000	5.00	0.312	3.0
	2480	-0.53	-1±1.0	0.0	1.000	5.00	0.315	3.0
П /4-DQP	2402	0.45	0±1.0	1.0	1.259	5.00	0.390	3.0
SK	2441	0.35	0±1.0	1.0	1.259	5.00	0.393	3.0
	2480	-0.10	-1±1.0	0.0	1.000	5.00	0.315	3.0
	2402	0.89	0±1.0	1.0	1.259	5.00	0.390	3.0
8DPSK	2441	0.80	0±1.0	1.0	1.259	5.00	0.393	3.0
	2480	0.72	0±1.0	1.0	1.259	5.00	0.397	3.0

Here,

Remark:

- 1. The product includes WPT and BT(BR+EDR)
- 2. WPT and BT(BR+EDR) can be launched simultaneously.
- 3. In the case of simultaneous launches for BT(BR+EDR) and WPT:

The Max Calc. Thresholds : BT(BR+EDR): 0.397/3=0.13, WPT: 1.3786/1.63=0.85 BT and WPT: 0.13+0.85=0.98≤ 1

So a SAR test is not required