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According to KDB 447498 section 4.3.1 c), For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C) 2):

For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$

The max. average power of channel, including tune-up tolerance(mW) is

0.0049 mW @ 147.052 KHz (With Tune-up tolerance),

The min. test separation distance (mm) is **5 mm**,

Power allowed at numeric threshold for **50 mm @ 100 MHz** (step a):

$$[(\text{Power allowed at numeric threshold, mW}) / (50\text{mm})] \cdot [\sqrt{f}(\text{GHz})] = 3.0.$$

So, Power allowed at numeric threshold = 474.342 mW.

The 1-g SAR test exclusion thresholds at test separation distance **50 mm @ 100 MHz** (step b)1)):

$$\{[(\text{Power allowed at numeric threshold for 50 mm in step a})] + [(\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]\} \text{ mW}$$

$$\text{So, } 474.342 \text{ mW} + [(\text{50 mm} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)] = 474.342 \text{ mW}$$

The 1-g SAR test exclusion thresholds at test separation distance **50 mm @ 147.052KHz** (step c)1)):

For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by $[1 + \log(100/f(\text{MHz}))]$:

$$\text{So, } 474.342 \text{ mW} \cdot (1 + \log(100/f(\text{MHz}))) = 1817.93 \text{ mW}$$

For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$

$$\text{So, } 1817.93 \text{ mW} / 2 = 908.97 \text{ mW}.$$

The max. average power of channel = **0.0049 mW** < 908.97 mW.

Therefore, standalone SAR measurements are not required for both head and body.

Signature_____

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