

According to 447498 D04 Interim General RF Exposure Guidance v01

1mW Test Exemption

Per § 1.1307(b)(3)(i) i)(A), The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

125kHz

Antenna: Induction coil

D<50mm

Frequency	Max Output power (dBuV/m)	Max Output power (mW)
125kHz	63.58	0.00068

13.56MHz

Antenna: Induction coil

D<50mm

Frequency	Max Output power (dBuV/m)	Max Output power (mW)
13.56MHz	60.69	0.00035

$$0.00068+0.00035=0.00103\text{mW}<1\text{mW}$$

Conclusion:

For the max result : $0.00103\text{mW}\leq 1\text{mW}$, No SAR is required.

Signature: 

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