

18 Appendix A - General SAR test reduction & exclusion guidance

KDB 447498 D01 General RF Exposure Guidance V06

Section 4.3 General SAR test reduction and exclusion guidance

For Standalone SAR exclusion consideration, when SAR Exclusion Threshold requirement in KDB 447498 is satisfied, standalone SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required.

The SAR Test Exclusion Threshold for frequencies below 100 MHz, and for test separation distance of ≤ 50 mm, is determined as follows.

$$\text{SAR Exclusion Threshold (SARET)} = [(NT \times \text{TSD}_A) / \sqrt{0.1}] \times [1 + \text{Log}(100 / f_{\text{MHz}})] \times 1/2$$

Where,

NT = Numeric Threshold (3.0 for 1-g SAR and 7.5 for 10-g SAR)
 TSD_A = 50 mm
 f_{MHz} = Transmit frequency in MHz

<i>Channel Frequency (MHz)</i>	<i>Calculated Power EIRP (mW)</i>	<i>SAR Exclusion Threshold at 5 mm (mW)</i>	<i>SAR Evaluation</i>
13.56	0.000002	443.0	Not Required

Note: The maximum power was calculated from the field strength recorded in section 15.6.

Therefore standalone SAR evaluation for general population exposure conditions by measurement or numerical simulation is not required.