



RF Exposure Evaluation

According to KDB 447498 D04 Interim General RF Exposure Guidance v01 and part 2.1093.

2.1.2 1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

Here,

Max Power(dBm)	Frequency(MHz)	Max Power(mW)	Limit(mW)
-17.1	27.145	0.019	1

$$\text{EIRP(dBm)} = \text{E(dBuV/m)} - 95.2 = 78.1 - 95.2 = -17.1 \text{ dBm}$$

So a SAR test is not required