

According to KDB 447498 D04 Interim General RF Exposure Guidance v01

1. 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.

2. Test Result

Frequency Range (MHz)	Radiated Power (dBuV/m)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
13.56	46.86	-50.52	0.000 009	1	Pass

Note;

According to ANSI C63.10 Annex G.2

$$ERP(W) = p_t \times g_t = (E \times d)^2 / 49.2$$

Where;

p_t is the transmitter output power in watts

g_t is the numeric gain of the transmitting antenna (dimensionless)

E is the electric field strength in V/m

D is the measurement distance in meters (m)

$$V/m = 10^{(dBuV-120)/20}$$

3. Conclusion: No SAR is required.