

RF EXPOSURE TEST

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB 447498 (2)(a)(i)

For portable device, the power limit is $60/f(\text{in GHz}) \text{ mW}$

For limit $60/f$ is equal:

$60/2.402=24.97\text{mW}$

$60/2.441=24.58 \text{ mW}$

$60/2.480=24.19\text{mW}$

Maximum measured transmitter power

Frequency (MHZ)	Max Antenna Gain (dBm)	EIRP (dBm)	EIRP (mW)
2402	0	0.254	1.06
2441	0	0.895	1.23
2480	0	1.011	1.26

The max.output power E.I.R.P is $1.26\text{mW} < 24.19\text{mW}$

Conclusion: No SAR is required.