

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 $60/f$ (in GHz) 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)
1Mbps			
2402	0	3.720	2.089
2441	0	4.187	2.622
2480	0	3.648	2.316
2Mbps			
2402	0	3.003	1.996
2441	0	2.953	1.973
2480	0	1.900	1.549
3Mbps			
2402	0	2.970	1.981
2441	0	3.040	2.014
2480	0	2.096	1.620

The max. output power E.I.R.P is $2.622 \text{ mW} < 24.97 \text{ mW}$

Conclusion: No SAR is required.