

30 September 2011

RF exposure calculation for FCC ID:LW9-CS2400TR, IC ID:2119B-CS2400TR

RF Exposure Calculations:

This device meets the output power threshold in KDB 447498 of 60/f(GHz) in which case no SAR or RF exposure evaluation is required.

RF Power Measurement

Frequency (MHz)	Maximum conducted power output (mW)	Maximum EIRP (mW)
2405.50	9.09	13.27

Power Limit = 60/f (mW)	24.95
Frequency (f) (GHz)	2.405

Notes:

- 1. Output power was measured in peak output power. Because it can be assumed that the timeaveraged output power as specified in KDB 447498 will be less than a peak output power, compliance with the limit can be presumed.
- 2. Maximum conducted power output and the maximum field strength at 3 meters was taken from NCEE Labs report R041211-01-01A.

EIRP (mW) = Conducted Output Power (mW) x Gain Gain = 1.64 (2.14dBi)

References:

- 1. FCC OET Bulletin 65, Edition 97-01
- 2. FCC Supplement C to OET Bulletin 65, edition 01-01
- 3. IEEE C95.1, 1999
- 4. KDB 447498