

RF Exposure Information

Product description

Test item : 2.4GHz Band Data Communication Module
 Applicant : ALINCO INCORPORATED
 Address : Yodoyabashi Dai-Bldg. 13F 4-4-9 Koraibashi, Chuo-ku Osaka 541-0043 Japan
 Model : XE9721
 FCC ID : PH3XE9721
 Operating frequency range : 2401 - 2411.5MHz
 TX output power (Cond) : 9.38dBm (measured at the antenna terminal)
 Maximum Antenna Gain : +0.61dBi

Analysis for mobile use

The maximum Conducted Peak Output Power is 9.38dBm (2.401GHz).

The best case gain of the antenna is +0.61dBi.

EIRP = (9.38dBm) + (+0.61dBi) = 9.99dBm

9.99dBm logarithmic terms covert to numeric result is nearby 9.98mW

$$S = \frac{E.I.R.P.}{4\pi R^2} = \frac{9.98mW}{4\pi(20cm)^2}$$

$$= 0.00199mW/cm^2$$

E.I.R.P. (mW)	Evaluation distance R (cm)	Power density S (mW/cm ²)	MPE limit (mW/cm ²)	Result
9.98	20	0.00199	1	Complied