

RF Exposure Requirements

Product Description: Portable Router

Model No.: PR1

FCC ID: XUR-VTX-PR1

According to the KDB-447498, the following RF exposure evaluation shall demonstrate RF exposure compliance.

Tx frequency range: 2412~2462MHz

Antenna-to-tissue separation: <20 cm

Antenna gain: max. 1dBi

Maximum Output Power: 23.988mW (at the 2412MHz channel of 802.11b mode)

Maximum Duty Factor: 100%

$60/f(\text{GHz}) \text{ mW} = 24.87 \text{ mW}$

Source-based time-averaged conducted output power is 23.988 mW $\leq 60/f$

So the transmitter complies with the RF exposure requirements and the SAR is not required.