

RF Exposure

Applicable Standard

According to §1.1307(b)(5), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline. This is a Portable device. **KDB616217 was used as the guidance.**

According to §1.1310 and §2.1093 RF exposure is calculated.

Measurement Result

For 802.11g Mode:

This is a Mobile Internet Device and the conducted output power is 11.45dBm (17.58mW), so the EIRP is $13.96 * 1.585 = 22.1266\text{mW}$ which is lower than low threshold 60/fGHz mW ($60/2.462\text{GHz} = 24.37\text{ mW}$), and the antenna is 2dBi which is less than 6dBi.

For 802.11b Mode:

This is a Mobile Internet Device and the conducted output power is 11.29dBm (16.94mW), so the EIRP is $13.46 * 1.585 = 21.3341\text{mW}$ which is lower than low threshold 60/fGHz mW ($60/2.462\text{GHz} = 24.37\text{ mW}$), and the antenna is 2dBi which is less than 6dBi.

The SAR measurement is not necessary.