

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 modular can be used in a Portable device.

KDB616217 was used as the guidance.

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

Measurement Result

This is a Zigbee Module and the conducted output power is 5.29 dBm (3.381 mW).

For EUT with PIFA Antenna:

The antenna is 3.0 dBi (1.995 Numeric) which is less than 6 dBi.

Therefore, the EIRP is $3.381 * 1.995 = 6.745$ mW which is lower than low threshold 60/fGHz mW (60/2.480GHz= 24.19mW)

The SAR measurement is not necessary.