

Produkte
Products

RF Exposure Statement: JP26Y9Z8 002

Page 1 of 1

Client: TOTO USA, Inc.
5351 E. Jurupa St., Ontario, CA 91761 United States

Test item: Zigbee Module

Identification: EMBD1124

FCC Requirement

According to FCC 2.1091, mobile equipment must comply with the following applicable limit for maximum permissible exposure (MPE) specified in FCC 1.1310:

Equipment Use	Frequency Range	Power Density [mW/cm ²]	Average Time [min]
General Population / Uncontrolled Exposure	1.5 – 100GHz	1	30

Measurement Result

The maximum measured transmitter power is given in the following table:

Conducted Output Power P _{out} [mW]	Maximum Antenna Gain [dBi]	Power Density at 20cm [mW/cm ²]
0.86	2.14	0.0003

Note:

The power density S in mW/cm² is calculated according to the Friis formula: $S = (P_{out} \cdot G) / (4\pi \cdot D^2)$, where
 P_{out} = antenna conducted output power in mW,
 G = antenna gain in linear scale (here: 2.14dBi = 1.64 linear),
 D = distance between observation point and radiating structure in cm (here: 20cm).

Conclusion

The device complies with the FCC RF exposure requirements since the maximum transmitter power density is below the FCC limit.

Refer to test report JP26Y9Z81 001 for more details.

NOTE:

EMBD1124 is subject to Single Modular Approval assessment under FCC Part.15.247.