

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Yanzi Networks AB
Isafjordgatan 32C, 16440 Kista Sweden

Manufacturer : Yanzi Networks AB
Isafjordgatan 32C, 16440 Kista Sweden

Product Name : Yanzi Gateway

Type/Model : DR3-3143

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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Prepared by:



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Approved by:



Daniel Zhao (Reviewer)

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

As we can see from the test report 171101441SHA-001:

Frequency band (MHz)	Power		Antenna Gain		R (cm)	S (mW/cm ²)	Limits (mW/cm ²)
	dBm	mW	dBi	(Numeric)			
2400 -2483.5	20.39	109.40	2.8	1.91	20	0.0415	1

Note: 1 mW/cm² from 1.310 Table 1

This level is below the MPE test exclusion requirements (≤1.0).

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.