

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : DYNAUDIO A/S.
Sverigesvej 15, 8660 Skanderborg, Denmark.

Manufacturer : GoerTek Dynaudio Co., Ltd.
No. 8877 Yingqian Road, High-tech Industrial Development
District, Weifang Shandong Province, China

Equipment : Intelligent Wireless Music System

Type/Model : Music 1

Test Result : Pass

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.

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

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

For BT, as we can see from the test report 160602805SHA-001

Frequency band (MHz)	Max power		Antenna Gain		R	S
2400-2483.5MHz	8.52dBm	7.11mW	2.0dBi	1.58	20cm	0.0022

For WIFI, as we can see FCC ID: Y2SLW100 the worst MPE is 0.1537 mW/cm²

For the device can support simultaneous transmission, according to 447498 D01 General RF Exposure Guidance v06,

The sum of the MPE ratios = 0.0022+0.1537 = 0.1559 mW/cm²

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

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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.