

Federal Communication Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Attention: Reviewing Engineer

The **SimpleDevices SimpleFi** is an MP3 player using spread spectrum technique for wireless connection to a PC to download and play music.

Due to the construction and the intended use of the MP3 player, which will be connected to stereo or similar equipment, the installation should be done as recommended in the manual in an area free from disturbances and this requires a distance under normal operating conditions of more than 20 cm.

This information includes the following: *A minimum separation distance of 20 cm must be maintained between the antenna and the person for this device to satisfy the RF exposure requirements of the FCC.*

The maximum output power for is 190 mW (22.6 dBm).

Maximum EIRP of the equipment = 22.6 dBm (0.190 W); equivalent to 11.68 V/m in 20 cm distance

Regarding MPE limits, GPEC environment limits maximum exposure to 1 mW/cm²

The power density is:

at 20 centimeters from an antenna	$S = E^2/3770 = -13 \text{ H}^2 = \mathbf{0.0361 \text{ mW/cm}^2} < 1 \text{ mW/}$
at 10 centimeters from an antenna	$S = E^2/3770 = -13 \text{ H}^2 = \mathbf{0.1447 \text{ mW/cm}^2} < 1 \text{ mW/}$

Where: S = Power density (mW/cm²)
 E = electrical field strength (V/m)

Calculations are based on standard formula for calculating field strength at a distance and converting power density using free space impedance.

Compliance is shown for the MP3 player, which have a built in antenna even for the distance of 20 cm. This is the distance given by the proximity to an audio equipment with connected loudspeakers and the distance even using headset for listening music.

If you should have any questions regarding this submission, please feel free to contact the undersigned.

Yours truly,



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