FCC ID: HDC1287562G1
IC: 2250A-1287562G1

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant	: Adtran, Inc. 901 Explorer Boulevard, Huntsville, Alabama, USA
Manufacturer	: Adtran, Inc. 901 Explorer Boulevard, Huntsville, Alabama, USA
Equipment	: GPON (Optional Network Terminal)
Type/Model	: TOTAL ACCESS 324RG
Trade Name	: ADTRAN

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/cm^2
P = transmit power in mW
G = numeric gain of transmit antenna
R = distance (cm)

R is chosen to be 20cm, the gain of antenna G = 3.00dBi = 1.995

As we can see from the test reports 140300791SHA-001:
The maximum output power for Wi-Fi = 19.74dBm=94.189mW
The MPE of Wi-Fi = $PG / (4\pi R^2)$ = 94.189 * 1.995 / (4 * 3.14 * 20 * 20) = 0.037

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

Date of issue: April 25, 2014

Prepared by:

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Reviewed by:

Daniel Zhao (*Reviewer*)

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.