Statement of compliance to
Maximum Permissible Exposure (MPE)

Applicant	:	RAE Systems Inc.
		3775 N. 1st St., San Jose, California USA 95134
Manufacturer	:	RAE Systems Inc.
		3775 N. 1st St., San Jose, California USA 95134
Product Name	:	RAE Mesh Module
Type/Model	:	RM2400

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
$\quad$ P = transmit power in mW
$\quad$ G = numeric gain of transmit antenna
$\quad$ R = distance (cm)

As we can see from the test reports 141201505SHA-001:
The maximum output power = 9.12dBm, G=1.50dBi
The MPE of Bluetooth = $PG / (4\pi R^2)$ = 11.53mW / (4 * 3.14 * 20 * 20) = 0.0023mW/cm^2

This level is below the simultaneous transmission MPE test exclusion requirements ($\leq$1.0).

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Prepared by: Reviewed by:

Nemo Li (*Project Engineer*)   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.