Statement of compliance to
Maximum Permissible Exposure (MPE)

Equipment	:	Outdoor Wireless Mesh Router
Type/Model	:	MSR4K44S
Applicant	:	Azalea Networks U.S.A, Inc
		673 S. Milpitas Blvd Suite 105, Milpitas, California, 95035, United States

Here assuming a worst-case prediction of power density (100% reflection), then
$S = 4PG / (4\pi R^2) = PG / (\pi R^2)$.
Where S = power density in mW/cm²
$\quad\quad$ P = transmit power in mW
$\quad\quad$ G = numeric gain of transmit antenna
$\quad\quad$ R = distance (cm)

As we can see from the test report JSH007120114-001:
The maximum P = 21.79dBm = 151.01mW
G = 14dBi = 25.12
R is chosen to be 35cm
$S = PG / (\pi R^2) = 151.01 * 25.12 / (3.14 * 35 * 35) = 0.99$mW/cm²

This level is below the 1 mW/cm² MPE for General Population / Uncontrolled Exposure as stated in OET BULLETIN 65 Edition 97-01.
Conclusion: this EUT fulfills 47CFR Part 15.247(i) (2007) with the precautions are outlined in the User's Manual to prevent exposure to high levels of RF energy. (See appendix I)

Date of issue: Jan 10, 2008

Prepared by:
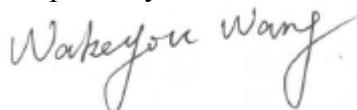
Wakeyou Wang (*Project engineer*)

Reviewed by:
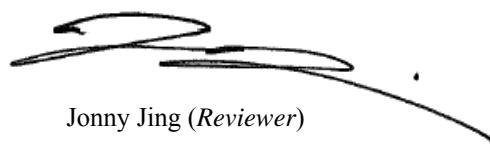
Jonny Jing (*Reviewer*)

Appendix I

Precautions below must be outlined in the User Manual to prevent exposure to high levels of RF energy:

The radiated output power of this device is below the FCC radio frequency exposure limits based on that human proximity to the antenna shall not be less than 35cm during normal operation.