STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF NORTH ATLANTIC TOWERS, LLC and NEW CINGULAR WIRELESS PCS, LLC (AT&T) FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A TELECOMMUNICATIONS TOWER FACILITY AT 655 BASSET ROAD IN THE TOWN OF WATERTOWN	DOCKET NO. 422 March 9, 2012

NORTH ATLANTIC TOWERS, LLC & NEW CINGULAR WIRELESS PCS, LLC ("AT&T")
POST HEARING SUBMISSION

North Atlantic Towers, LLC and New Cingular Wireless PCS, LLC ("AT&T"), collectively the "Applicants", respectfully submit the attached power density calculation for the proposed 130' tall facility as requested at the March 6, 2012 hearing in this proceeding.

CERTIFICATE OF SERVICE

I hereby certify that on this day, a copy of the foregoing was sent by electronic mail and overnight mail to the Connecticut Siting Council and:

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Dated: March 9, 2012

Lucia Chiocchio

cc: John Stevens, North Atlantic Towers, LLC
Michele Briggs, AT&T
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March 08, 2012

Connecticut Siting Council

Subject: AT&T Wireless, Watertown, CT

Dear Connecticut Siting Council:

At the request of AT&T Wireless, SAI Comunications has performed an assessment of the RF Power Density at the proposed site located at 655 Bassett Road, Watertown, CT.
Calculations were done in compliance with FCC OET Bulletin 65. This report provides an FCC compliance assessment based on a "worst-case" analysis that all transmitters are simultaneously operating at full power and pointing directly at the ground.

FCC OET Bulletin 65 formula:

$$S = \frac{2.56 * 1.64 * ERP}{4 * \pi * R^2}$$

Location	Transmission Mode	Antenna Centerline AGL (ft)	Frequency (MHz)	Number of Channels	Effective Radiated Power per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	% MPE (Uncontrolled/ General Public)
Ground Level	AT&T GSM	130	800	3	296.00	0.0189	0.5333	3.54%
	AT&T GSM	130	1900	1	427.00	0.0091	1	0.91%
	AT&T UMTS	130	800	1	500.00	0.0106	0.5333	1.99%
	AT&T UMTS	130	1900	1	500.00	0.0106	1	1.06%
	AT&T LTE	130	700	1	500.00	0.0106	0.4667	2.28%
	Total							**9.79%**

Conclusion: AT&T's proposed antenna installation is calculated to be within 9.79% of FCC Standard for General Public/Uncontrolled Maximum Permissible Exposure (MPE).

Sincerely,

Michael Doiron
SAI Communications