Notice of Exempt Modification
University of Connecticut
60 North Eagleville Road
Mansfield, CT 06269

New Cingular Wireless PCS, LLC ("AT&T") submits this Notice of Exempt Modification to the Connecticut Siting Council ("Council") pursuant to Sections 16-50j-73 and 16-50j-72(b) of the Regulations of Connecticut State Agencies ("Regulations") in connection with AT&T's planned modification of antennas and associated equipment on an existing 317' self support tower (including an existing 287' tower with an existing 30' extension) located on the University of Connecticut Campus at 60 North Eagleville Road, in the Town of Mansfield, Connecticut. More particularly, AT&T plans to upgrade this site by adding LTE technology to its facilities. The proposed modifications will not increase the tower height, cause a significant adverse change or alteration in the physical or environmental characteristics of the site, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six (6) decibels, add radio frequency sending or receiving capability which increases the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996, as amended, and the State Department of Energy and Environmental Protection, pursuant to Section 22a-162 of the Connecticut General Statutes, or impair the structural integrity of the facility, as determined in a certification provided by a professional engineer licensed in Connecticut.

To better meet the growing voice and data demands of its wireless customers, AT&T is upgrading their network nationwide to include LTE technology, which will provide faster service and better overall performance. Pursuant to the LTE technology upgrade at this site, AT&T will add panel

antennas, install RRHs, and install related equipment to its equipment area within the fenced tower compound.

The 317' self support tower located at 60 North Eagleville Road, in the Town of Mansfield, Connecticut (lat. 41° 48' 50.57", long. -72° 15' 31.99") is owned by the University of Connecticut, an agency of the State of Connecticut. AT&T's existing facility is located within the Landlord's existing fenced compound. AT&T currently has nine (9) panel antennas (three (3) per sector) with a centerline of 186' installed on the tower. AT&T's base station equipment is located adjacent to the base of the tower within the fenced compound. A site plan depicting this is attached.

AT&T plans to remove all existing equipment and install a new Commscope MTC3607 platform mount. The existing equipment will be replaced on the new platform mount with the exception of three (3) existing Powerwave 7777.00 panel antennas (one per sector) which will be relocated and six (6) RRUS-11 (two (2) per sector) which will be connected and located behind the existing panel antennas. AT&T further plans to add three (6) CCI HPA-65R-BUU-H8 panel antennas (2 per sector), and three (3) CCI HPA-65R-BUU-H6 panel antennas (1 per sector). Additionally AT&T will add (6) RRUS-12 (2 per sector), six (6) Ericsson A2 modules (2 per sector and attached behind each respective RRU-12), three (3) additional RRUS-11 (1 per sector), three (3) RRUS-32 (1 per sector), three (3) RRUS-E2 (1 per sector). AT&T also plans to relocate one (1) existing Raycap surge suppresser and add two (2) new Raycap surge suppressors. The height of the tower will not need to be increased and all antennas and RRHs will be installed at the 186' centerline.

Within the existing equipment shelter AT&T also plans to install a new DC-DC Converter, LTE RBS 6601 in an existing Rack, a new Power Plant in the existing equipment shelter, one (1) new 23" RXAIT Rack (850 MHz) with one (1) low loss combiner per sector with three (3) sectors for a total of (3) 850 MHz low loss combiners and one (1) new 23" RXAIT Rack (1900 MHz) with two (2) low loss combiners per sector with three sectors for a total of six (6) 1900 MHz low loss combiners and install a new 3-port cable hatch plate. Finally, AT&T will

be removing 3 existing coax runs and add one (1) fiber trunk and six (6) DC Trunks from the ground equipment to the AT&T Rad Center within the tower. and adding . our (4) new batteries in the existing BBU cabinet, three (3) new rectifiers in the existing equipment cabinet, and one (1) fiber transmission cable on the existing Ice Bridge all within AT&T's leased Premises. The compound's boundaries will not need to be extended. The proposed modifications will not cause a significant adverse change or alteration in the physical or environmental characteristics of the site, since it is already a telecommunications installation and the modifications will be compatible with this. Other than brief, construction-related noise, these modifications will not increase noise levels at the tower site boundary by six (6) decibels.

The proposed modifications will not add radio frequency sending or receiving capability which increases the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996, as amended, and the State Department of Energy and Environmental Protection, pursuant to Section 22a-162 of the Connecticut General Statutes. A radio frequency emissions analysis prepared by EBI Consulting concludes that the proposed final configuration (including other carriers on the tower) will emit 97.59 of the allowable FCC established general public limits sampled at the ground level (see page 1 and the 6th page of Radio Frequency FCC Regulatory Compliance Maximum Permissible Exposure (MPE) Assessment dated December 1, 2014). Emissions values for additional carriers were based upon values listed in Connecticut Siting Council active database (see the 1st and 6 page of Radio Frequency FCC Regulatory Compliance Maximum Permissible Exposure (MPE) Assessment dated December 1, 2014). The information used in the report was analyzed as a percentage of current Maximum Permissible Exposure (%MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1 (see the 1st page of the Radio Frequency FCC Regulatory Compliance Maximum Permissible Exposure (MPE) assessment dated December 1, 2014).

The proposed modifications will not impair the structural integrity of the facility. AT&T commissioned Destek Engineering, LLC to perform a structural analysis of the tower to verify that it can support the proposed loading. The structure and foundation were found to meet the specified TIA requirements and deemed adequate to support the existing and proposed loading, and was rated at 91.2% (see page 7 of the Structural Analysis Report dated May 22, 2014.)

In conclusion, AT&T's proposed modifications do not constitute a modification subject to the Council's review because AT&T will not change the height of the tower, will not extend the boundaries of the compound, will not cause a significant adverse change or alteration in the physical or environmental characteristics of the site, will not increase the noise levels at the site, will not increase the total radio frequency electromagnetic radiation power density at the site to levels above applicable standards, and will not impair the structural integrity of the facility. Therefore, AT&T respectfully requests that the Council acknowledge that this Notice of Exempt Modification meets the Council's exemption criteria.