



Self-supporting lattice tower with 800 MHz trunked system for most of the public safety agencies in a county and surrounding areas, including microwave links



A-frame lattice tower with one microwave link and one carrier



The towers

WAMG-AM, Natick, MA Five, 540' lattice towers, marked (painted red and white) and lighted. Note that in the case of an AM radio station, the towers are the antennas.

Conclusions re Antennas Commonly and Universally Found in Factory or Industrial Areas

Remember, DA 00-2468 has no definition of “the type of antenna that is commonly and universally associated with those that one finds in a factory area or an industrialized complex.” But we can still extract several concepts, from the wording and from common usage as depicted in the pictures:

- The FCC, of all agencies in the U.S. government, knows the difference between an antenna and a tower. This order speaks only to *antennas, not towers*.
- The order speaks in the conjunctive; *i.e.*, the antennas concerned must be *both* commonly *and* universally found in factory and industrialized areas. As all antennas *universal* to factory and industrial areas would be “common” to factory or industrial areas, the word universal controls.
- The types of antennas one most often finds in factory or industrial areas are:
 - Parabolic dishes for uplink and downlinks,
 - Parabolic dishes for microwave links,
 - Panel antennas for “sectorized” cellular telephone service,
 - AM, FM and TV transmit antennas for the broadcast service.

- ***Yagi antennas, mounted on thin lattice towers, or thin monopoles, are commonly found on residential property, because that is where radio amateurs live. It cannot be said that they are “universally” found in factory or industrial areas. The following photographs are evidence that amateur radio antennas comparable, even identical, to the Taormina project, are not universally found in factory or industrial areas.***



K3LR – West Middlesex, PA



K8LX - West Bloomfield, MI



K8LX Different View – West Bloomfield, MI



W3LPL – Glenwood, MD



Three of four 195' towers at N3HBX- Clarksburg, MD



N5AU – Rockwall, TX



NR5M - Hempstead, TX