

**Compliance to 15.407(c)
Base station (Model 40400/40500)
Tsunami Multipoint**

The Tsunami Multipoint base station operates in a point-to-multipoint network, and only transmits under the following conditions:

- a) The base station has received information at its Ethernet interface that is addressed to a destination accessible through a subscriber unit. In the absence of information bearing data, the base station will continue to periodically transmit synchronization bursts.
- b) The base station will periodically "poll" the subscriber units by transmitting a polling command in a broadcast network control message. This is required to maintain inbound synchronization and power control for each subscriber unit.
- c) The Control Processor in the base station only enables dc power to the transmitter circuitry if the following operational conditions are met:
 - (i) The frequency synthesizers are locked.
 - (ii) The transmitter output power is below its allowable limit, as determined by coupling and detecting the output RF signal and comparing the detector output with a calibrated threshold.
 - (iii) The transmitter power-control attenuators are operating within their expected range.
 - (iv) The Control Processor is responding to interrupts as expected (checked by a watchdog timeout).
 - (v) The modem, data buffer, and Ethernet interface is processing data without checksum or synchronization errors.

Therefore, it is shown that the base station will automatically discontinue transmission in the absence of information to transmit or operational failure to ensure compliance with 15.407(c).