Proposed 2.4 GHz and 5.8 GHz Airspace Rules

In compliance with the Airspace Regulation and Airspace Policy this rule explains the methods for requesting help and approval pertaining to the installation of a wireless device operating in the 2.4 GHz or 5.8 GHz airspace.

I. Non-residential Areas

To request assistance and approval from ComTech please submit an email to support@ncstate.net with the following information:

- Your contact information
- Building
- Desired coverage area (such as room number)
- Device description
- Frequency band in which device operates

This email will generate a Remedy ticket that will be assigned to a ComTech engineer to review. The review process will start by determining the existence of ComTech wireless data networking equipment in and near the desired coverage area. In cases where ComTech does not have equipment nearby or the device will not interfere with nearby equipment, the user will be granted permission to install the wireless device in question according to the procedures found at

http://www.ncsu.edu/it/rulesregs/wireless/implementation-rules.html

However, when a situation arises that ComTech must install wireless data networking equipment in the area that will interact with the previously approved equipment, ComTech reserves the right to invalidate a previously granted approval. ComTech will only invalidate a previous wireless device approval in cases where there is no practical channel configuration that will avoid competition. In these cases the original requester will be notified as soon as possible of the situation along with the amount of time until the device must be removed. Requesters will be given a minimum of 30 days notice.

When a wireless device a customer wants to install will create interference with a ComTech wireless data networking device, ComTech will attempt to find a possible channel configuration that will allow for co-existence. When interference can be avoided, the customer will be granted permission to install the wireless device in question using channel assignments ComTech specifies or else permission will be denied.
Denied and invalidated requests may be appealed by bringing the case before the Infrastructure Sub-Committee of the University Information Technology Committee. Please contact the sub-committee chair person, Greg Sparks, at greg_sparks@ncsu.edu to be placed on a meeting agenda.

II. University Housing and Greek Court Residents

Customers in University Housing residence halls and Greek Court chapter houses wishing to install non-client wireless devices must first register their device through the ResNet registration system by going to the ResNet registration system. These devices must be configured according to the instructions provided upon registration. These are based upon Section IV of the Rules for Implementation of Wireless Networks at NC State and are available online at: <http://www.ncsu.edu/it/rulesregs/wireless/implementation-rules.html>Configuration

In accordance with the 2.4 GHz and 5.8GHz Airspace Regulation, if a personally-owned device conflicts at any time with University-installed equipment, the customer will be notified via email about the interference and that he or she must reconfigure his or her device so that it does not interfere with the University's equipment. Personally-owned devices that conflict with University-installed equipment may be blocked from the network.