



To: Federal Communications Commission
From: Airespace
Subject: External 5 GHz Antenna Installation
Date: 4 Jan 2004

Gentlemen,

The purpose of this letter outline Airespace plans for installation of a permanently connected 5 GHz antenna to an Airespace IEEE802.11 A enabled access point operating within 5.15 - 5.25 GHz (as well as the other authorized 5 GHz bands).

As outlined recently by the FCC, Airespace personnel (not a sub-contractor) will make the connection to the access point permanent at the time of installation. The connection will take the form of permanent Lok-Tite, a "tac" weld, a connection internal to the access point or some other similar permanent method.

The type of external antenna used will be of the same type as the internal antenna, a simple "patch" antenna.

Additionally, the maximum effective gain of the external antenna (antenna gain - cable loss) will not exceed the effective gain of the internal 5 GHz antennas (currently certified at 7.4 dBi)

A handwritten signature in blue ink, appearing to read "Bob Friday".

Bob Friday
Airespace Founder and Sr. Scientist