



CHAPTER 7

Caveats

This chapter provides the caveats discovered in lab testing.

CSCse14724—Degraded Location Accuracy with Monitor Mode APs

Degraded accuracy has been observed in lab testing of monitor mode access points when compared to local mode.

The use of Monitor Mode in location aware designs with software Release 4.1 is not recommended at this time.

CSCsh88795—CCX S36 Beacon Measurement Request Dual-Band Support

CCX S36 Beacon Request includes channels from the same band as association but not the other band. This can affect the reliability of performing simultaneous calibration data collection on both bands when using dual-band clients. The band currently associated will typically calibrate reliably, whereas the other band does not experience the same degree of reliable probe-request generation that is brought about by the use of unicast Radio Measurement Requests.

Workaround

It is recommended that calibration data collection be performed for each band individually at this time, even when using dual-band clients. To accomplish this, use either of the following alternatives:

1. Perform the calibration data collection on each band individually using a single laptop equipped with a dual-band client adapter compatible with the Cisco Compatible Extensions specification for WLAN devices specification at version 2 or higher, and capable of recognizing and responding to S36 unicast radio measurement requests. An example of such a client is the Cisco Aironet 802.11a/b/g Wireless CardBus Adapter (AIR-CB21AG). For example, proceed to disable the 5 GHz band and complete the data collection using the 2.4 GHz band only. Then, disable the 2.4 GHz band and enable the 5 GHz band, and proceed to repeat the data collection using the 5 GHz band only.
2. Perform the calibration data collection using two operators and two independent laptops. Each laptop should be equipped with a dual band client adapter compatible with the Cisco Compatible Extensions specification for WLAN devices specification at version 2 or higher, and capable of recognizing and responding to S36 unicast radio measurement requests. An example of such a client

is the Cisco AIR-CB21AG. Each laptop should be associated to the infrastructure using a different band. The two calibration data collection operators may function independently; there is no need for them to visit each data point at the same time, or to even visit the same data points. In this way, a complete calibration data collection can be performed across both bands in half the time as option #1 above.

CSCsi95122—WCS Does Not Dispatch Northbound Emails for Location Notifications

WCS does not send email notifications for any location notification alarm categories. Alarms for location notifications appear on the alarm console, however email notifications do not get transmitted.

Workaround

Use email northbound notifications present in the Location Appliance instead of WCS with software Release 4.1.

For additional caveats than those discussed above, refer to the following documents:

- Release Notes for Cisco Wireless Location Appliance 3.0—http://www.cisco.com/en/US/products/ps6386/prod_release_notes_list.html
- Release Notes for the Cisco Wireless Control System (WCS) 4.1—http://www.cisco.com/en/US/products/ps6305/prod_release_notes_list.html
- Release Note for Cisco WLAN Controllers and Lightweight Access Points 4.1—http://www.cisco.com/en/US/products/ps6366/prod_release_notes_list.html
- Release Notes for Cisco Aironet Access Points for Cisco IOS Release 12.3(11)JA1—http://www.cisco.com/en/US/products/hw/wireless/ps430/prod_release_notes_list.html
- Cisco Bug Toolkit—<http://www.cisco.com/cgi-bin/Support/Bugtool/home.pl>