

Product: IP-DECT Handset

Purpose: To make known possible sources of DECT interference

Date: August 19, 2009

Symptoms associated with DECT Interference

Background

In some cases, DECT handsets losing the system and dropping calls can be caused by an IPBS that has become unsynchronized. The IPBS air-sync can be affected by radio disturbances in the DECT band (1900MHz). It is a well documented fact that Enterprise DECT products are sensitive to disturbances caused by 'residential' or unsynchronized DECT products.

Affected items

IP-DECT system with IPBS.

Solution

Work around:

- Remove/shut down or (synchronize/do frequency planning where possible) the residential/unsynchronized DECT.
- Avoid overlapping enterprise DECT systems. This is a standard recommendation which is always applicable.
- Keep the synch master and backup synch master within an RSSI of -30dBm to -50dBm of each other.
- Configure the IPBS slaves to sync towards an IPBS of greater signal strength.

If you have problems with air-sync, contact techsupport@ascomwireless.com for a more detailed recommendation suited to your situation.

[1] <http://www.dect.org/userfiles/file/General\DECT Background\Multiple DECT Systems.pdf>