



March 18, 2004

RE: Description of Product Changes to FCC ID: P9J-51102100 and IC: 4751A-51102100  
Permissive Change

To Whom it May Concern

The following text outlines design changes made to the Tropos 5110 Wi-Fi Cellular Basestation currently listed under FCC ID: P9J-51102100 and IC: 4751A-51102100.

Under the current Grants, the Tropos 5110 model numbers 51102100 and 51103000 have received FCC and IC Grants.

Tropos is requesting to modify the existing Grants to include the listing of new model numbers; 51102200, 51103100, 51102000 and 51102400. Tropos has also altered the construction of model numbers 51102100 and 51103000 under the existing Grants.

**Summary of Changes:**

- New Feature: An Optional “Factory Installed” Battery Backup Circuit:  
An optional factory installed Li-Ion battery pack and battery charger circuit have been added to the design to enable several hours of operation in the event of an AC power outage.
- New AC/DC Power Supply Module:  
The product has been changed to use a different AC/DC power supply of larger output capacity. The design changes were necessary to support additional DC power capacity to support the charging of the battery when the factory installed battery backup feature is present.
- Directional Coverage:  
The existing Grant is for a Tropos 5110 Wi-Fi Cellular Basestation configured only with 7.4dBi omni-directional antennas. Many networks require directional wireless coverage. For these applications, Tropos plans to offer a low power version of the Tropos 5110 (51102000, 51102400) which may be configured with a variety of high gain omni-directional and directional antennas. A separate submission document outlines the Tropos model numbers, factory calibrated TX peak output power and certified maximum antenna gain configuration.

The following documents are being submitted for your consideration and are related to the Permissive Change request:

- Model Numbers Matrix:

The document outlines the specific product model numbers, the factory calibrated TX output power of the product, the antenna options available for that product and optional factory installed battery backup capability.

- Revised Block Diagram:

The block diagram has been revised to illustrate the battery module and battery charger capability in the new and revised Tropos 5110 product offerings.

- Revised Theory of Operation:

The previous Theory of Operation document has been revised to address the new battery module capability and new directional coverage capability of the Tropos 5110.

- Revised Technical Description:

The previous Technical Description document has been revised to address the new battery module capability and new directional coverage capability of the Tropos 5110.

- Confidentiality Request:

A new request to keep proprietary technical documents associated with the Permissive Change confidential.

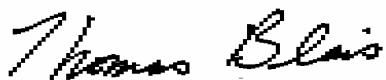
- Authorization:

A new request to allow CCS Test Labs to act as an agent of Tropos Networks Inc with respect to processing the FCC and IC related Permissive Change.

- Revised Data Sheet of Tropos 5110

An updated version of the Tropos 5110 Data Sheet submitted for the purpose of file accuracy.

Sincerely,



Thomas Blais

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