



October 1, 2010

ATCB Inc.  
Applications Examiner

RE: FCC Part 15 Class 2 Permissive Change for Cirronet, FCC ID: HSW-2450

Dear Applications Examiner:

Enclosed please find Cirronet's file copy of the Part 15 Class 2 Permissive Change Application for Cirronet Model WIT 2450. Cirronet is requesting the following changes:

- 1.) This Application is requested to add a 12 dBi Omni (Dipole) Antenna to be used with this radio.
- 2.) This Application is requested because the power amplifier used in the WIT 2450 has been discontinued by the vendor. This amplifier has been replaced with a different (but equivalent) part.

Per FCC Permissive Change Policy, Section 2c, we declare that:

Cirronet meets every requirement except for the first:

1. The new amp is not pin for pin compatible - RF parts are never pin-for-pin compatible, but the FCC has acknowledged via KDB # 748159 (copy below) that the Class 2 Permissive Change is acceptable:

**Inquiry: KDB# 748159**

---Reply from Customer on 05/03/2010---

I am formally withdrawing my request to remove the redundant gain control amplifier. This request is now limited to change-out of the PA alone. The gain control amplifier will stay as it is. Mark Tucker

**Response:**

You are proposing replacing the PA with a device that has an internal gate bias. The original PA had external gate bias. No external gain controller will be used with the PA replacement. The new PA is functionally equivalent in that its RF IN and RF Out frequencies and signal levels are the same. It has been determined that the PA replacement meets the requirements of KDB 178919 Paragraph 2)b) and thus qualifies for a Class II permissive change.

If you have any questions, please don't hesitate to call.

Sincerely,

A handwritten signature in black ink that reads 'Alan Ghasiani'.

Alan Ghasiani  
President-Consulting Engineer

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