



310 S. Williams Blvd.
Suite 346
Tucson, AZ 85711
t: 520.747.1811
f: 520.747.9408
www.polymap.net

December 2, 2003

To whom it may concern:

Polymap Wireless LLC is requesting a Class II Permissive Change for our PWR-07-02 product. We have made minor modifications to our currently certified product (PWR-07-01). The changes are listed below:

Changes to the Remote:

We switched from a chip antenna soldered to the PCB to a mini-coax connector to allow a strip antenna. This will allow more flexibility in positioning the antenna in a product.

Added a "Wake-up" feature to the voltage regulator that feeds power (3.3V) to the circuit. This involved:

Switching regulators to one that has this new "ShutDown" Feature (same manufacturer and same line of LDO regulators). We went from a Linear Technologies LT1521 to an LT1763.

Increased connector size by 2 pins (10 to 12) to allow one more input signal called "WakeUp" from host system.

Routed one more net from the micro-controller's GPIOs to the regulators: "Stay Awake".

Reduced pull-up resistor size to enhance 2-wire bus stability (50K to 20K Ohms) of the Real Time Clock.

Added filter to power input of RS232 driver (one series 10 ohm resistor).

Added capability to bypass RS232 driver (in case we want to drive a 3.3V serial interface instead of the current +/- 12V PC standard).

Sincerely,

A handwritten signature in black ink, appearing to read 'Edouard Landau', with a long horizontal stroke extending to the right.

Edouard Landau
Hardware Development