



01-10-17

---

**To: Ruby Dulmage**  
**Nemko Canada Inc.**  
**RR#5**  
**Ottawa, Ontario K1V 1H2**  
**Canada**

**Obj: FCC Letter about FreePad and Interface Module Same Radio Circuit**

---

Dear Ruby:

Both the FreePad Remote Control and the Interface Module use the exact same Radio Circuit. This Radio Circuit is built on a RF Printed Circuit Board (RF PCB) that uses the same RF components (including an onboard PCB soldered antenna) for all Radio transmission and reception purposes.

In the FreePad remote control, the Radio Circuit PCB is screwed over a “power supply and LCD PCB” that regulates the voltage provided by a set of batteries. This FreePad’s power supply PCB also controls the LCD display and the keypad.

In the Interface Module, the exact same Radio Circuit PCB is screwed over a “power supply PCB” that regulates the voltage provided by an external (wire connected) power supply. This external power supply is generated by the Spa Electronic Controller. In the Interface Module, the power supply PCB (on which the Radio Circuit PCB is screwed) does not provide LCD, nor keypad function.

So, everything related to RF communication is done only by the Radio Circuit PCB. Both the FreePad Remote Control and the Interface Module use this Radio Circuit PCB.

Best Regards,

Louis Nollet, Eng.  
R&D, Electrical Engineering Manager