

**Summarization of the change to the RF Antenna Board:**

After approximately 9 months of production of the RF tag upgrade to the 8700 Medical Laser Imager we encountered field issues, resulting from a mismatch in the antenna impedance. This change is to make the RF Tag cartridge system more robust.

The antenna matching and tuning circuit was modified to tune to the correct frequency and to increase the robustness of the antenna by including a shunt capacitor. This new design was adopted and tested and found to be superior. Functional testing of this antenna shows that the new antenna corrects all of the observed field issues seen to date. The new antenna was submitted for TUV testing and passed.

No change was required to the antenna coil itself.

-Dr. Terrence Joyce  
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