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June 26, 2002

Subject: Details of change

RF Board:

Mixer changed from a HMC220S08 to HMC412MSG, Values of PLL Loop changed, added vias to open planes, increased the baseband gain and changed the baseband LPF to a HPF, and **changed -9 V to -5 V**.

DSP Board:

Increase anular ring on vias by 5 mils, change of -9 V to -5 V, change baseband filter and gain block, SMT fuse and **changed the Firmware that controls the signal generation**.

The changes that have any effect on the RF section of the sensor are the changes highlighted in bold text. Some other small changes were made in discrete values and connections on the DSP board that have no effect on the RF signal generation.

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