6.101 Checklist - Wireless analog drawing board

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Module	Commitment	Goal	Stretch
Drawing Board	Two pots that act as an etch-a-sketch	Conductive paper that takes pencil position and maps it to two voltages	Using IR sensors to read pencil above paper
VCO	Convert voltage from drawing board to a frequency (drawing signal)		
Mixer	Mix the carrier and drawing signal		
Transmitter	one channel AM transmitter with manual switch for x, y	Two channel AM transmitter	One channel AM transmitter that sends both X, and Y coordinates
Receiver	one channel AM receiver with manual switch for x, y	Two channel AM receiver	One channel AM receiver that sends both X, and Y coordinates power from arduino/ps/2 cable
Frequency to Voltage	Convert frequency signal to a voltage		Normalize this voltage such that distance does not impact output voltage.
Display	Display on oscilloscope with x, y mode	Display on computer screen via arduino	Display on computer screen via PS/2

General Stretch Goal: Make PCBs (othermill or from China) for modules/circuits