6.101 FM Over Fiber Project Checklist

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☐ FM	
	Wimp goal is 1 channel FM
	Medium goal is 2 channels FM
	Multiple FM channel mixing
	Awesome goal is >=3 channels FM
	ur medium or awesome goals we will have to construct a fast mixer. This will be very fast op amp. With radio, this mixer isn't necessary since physics does the
☐ Fiber-	optic transmission
	Wimp goal is to not use fiber-optic and to instead use antenna transmission Medium/Awesome goal is to actually use fiber optic Transimpedance amplifier if necessary (probably not)
Testing for good fiber-optic transmission can be done using the oscilloscope on receiver directly or on the output of the (probably unnecessary) transimpedance amplifier.	
☐ Demo	dulation
	Wimp goal is to just have demodulation working at all
	Medium is to have an audio amp built into the demod circuit Awesome is to do this on a PCB
The goals here are pretty clear: demodulate the signal, potentially amplify the signal, and do it on a PCB if time permits.	
☐ Projec	t as a whole
	Wimp goal is to have audio come out the end
	Medium goal is to transmit many channels
	Awesome goal is to do all of this on a PCB