RFID Tunnel Checklist

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- Reader Emulator operates under 9V (A battery) - Brandon
- Reader Emulator transfers power to the card - Brandon
- Data is successfully received from the card and filtered - Brandon
- Card emulator is able to detect presence of the reader - Vineel
- Card emulator is able to attenuate the signal output by the reader - Vineel
- Card emulator is able to successfully convey data to the reader - Vineel
- Phase locked loop on card emulator works properly (if the PLL is needed) - Vineel
- Signal is successfully modulated to a higher frequency - Austin
- Signal is successfully demodulated - Austin
- Transmission frequency shift keying works properly - Austin
- RF amplifier properly amplifies signal - Austin
- Transmission distance of 10 ft - Austin

- Stretch goal: Transmission distance of 50 ft - Austin
- Stretch goal: System is pocketable
- Stretch goal: System is bidirectional