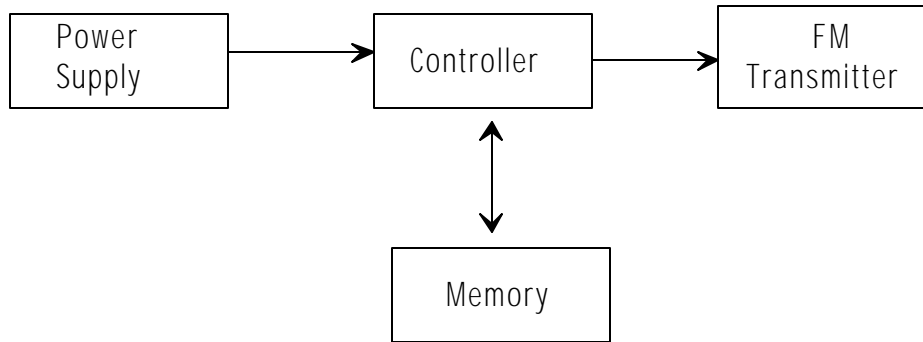


The brief description for the Eseal (315 MHz)



1. The Eseal (315MHz) consists of the block as shown above
2. The controller provides the interface to the Memory. With the ECS's information stored in the memory, the controller will encode the number into FSK data before sending them to the transmitter to be modulated.
3. The memory provides storage space for the ECS's information.
4. The transmitter is responsible for modulating the FSK data into FM signal.
5. The power supply shall come from a 3-Volt battery.

The followings are the specifications for the transmitter

S/N	Parameter	Specification	Remark
1	Carrier Frequency	315 MHz	
2	Output Power	-10dBm@ 50Ω	
3	Spurious Harmonics	>=-28dBc	
4	Frequency Deviation	>32kHz±1kHz	40kHz±1kHz in phase 2
5	Max. Data Baud Rate	16.384kbps	
6	Output Impedance	Better than 13dBm into a 50 Ω load	
7	Temperature Stability	±50ppm at operating temperature	
8	Modulation Mode	Frequency Modulation	