

WELM Saw TX Product Description

Heath®/Zenith Model number:	SL-6442 & SL-6443 (Prefix will change for other brands)
FCC Model designation:	6442TX
FCC ID#:	BJ4-64WDB42TX
IC #:	Canada: 3984A-6442TX

SL-6442 & SL-6443 Description

Model SL-6442 & SL-6443 are wireless transmitters that contain the same PCB and circuit design, which is FCC Model designation WB-SAW-TX, with different plastic case designs, and/or packaging.

Two CR-1220 lithium 3-volt batteries power this unit. This input power is internally regulated in the encoder IC T-99. The dipswitch is the selector to control the coding for the T-99 encoder. The output of the encoder chip goes through the oscillator/modulator stage. A SAW locks the frequency, which is tuned for 315M Hz. The encoded signal is then sent through the “helical” antenna mounted on the PCB and the RF output is transmitted into the air.

Reference: Brass Transmitter approvals below. (The exact same PCB and components are used for 6442TX and WB-SAW-TX. The only difference is that the WB-SAW-TX uses a Brass housing with a plastic PCB holder. The 6442TX uses a completely plastic housing.)

Brass Transmitter	
FCC Model Designation:	WB-SAW-TX
FCC ID:	BJ4-62WDB93TX
IC #:	3984 104 290