

**Bid Specifications
for
Telex SoundMate Single-Channel
Personal FM Receiver SR-50**

1. General Description

The Personal FM Receiver is designed for use in auditory assistance and personal communication applications. The Personal FM Receiver provides amplification for mild to severe hearing losses. Persons with normal hearing, when used with an appropriate listening accessory may also use the Personal FM receiver.

The Single -Channel Personal FM Receiver must be available in the 17 narrow band hearing assistance channels in the 72-76 MHz.

2. Single-Channel Personal FM Receiver

1. Must be clearly marked with the appropriate channel the unit is set to receive.
2. Must have an advanced synthesized design which eliminates channel drift.
3. Must have top mounted, tactile-feel controls to make operating any function easy.
4. The Personal FM Receiver must run on 2 AA-size alkaline batteries (20 hrs. continuous use), or 2 Ni-MH batteries (14 hrs. continuous use).
5. Earphone jack must accept any standard 3.5 mm (0.138 inch) mini stereo or mono earphone/headphone.
6. The Personal FM Receiver must have a three year parts and labor warranty.

3. Specifications

RF Frequency Range: 72.1 - 75.9 MHz

Audio Response: 100 - 10,000 Hz +/- 3 dB

Modulation: FM, +/- 25 KHz deviation

Harmonic & Spurious Emissions: Meets FCC part 15

Sensitivity: 0.5 μ v typical, 1.0 μ v maximum, 12 dB SINAD @ 25 KHz deviation

Image Rejection: >65 dB

Signal-to-Noise Ratio: >65 dB,

Distortion: <2% T.H.D.

Audio Output: @10% distortion ----- Into 8 Ohms--48 mW Into 32 Ohms--30 mW

Antenna Type: 1/4 wave omni-directional, in earphone cord

Batteries: 2 AA-size alkaline (20 hrs. continuous use), or 2 Ni-MH (14 hrs. continuous use)

Audio Controls: Volume, On/Off

Earphone Connector Type: 3.5 mm (0.138 inch) mini stereo or mono

Channels Available: 72.1, 72.2, 72.3, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, 74.7, 75.3, 75.4, 75.5, 75.6, 75.7, 75.8, 75.9

Size: 3.9 inches high x 2.7 inches wide x 1.0 inch thick (9.9 x 6.9 x 2.5 cm) excluding belt clip

Weight: 4.8 oz. (136 grams) including batteries