



## **Venture Express Consultant Specs**

The transmitter shall operate in the 216 MHz radio frequency auditory band as approved by the FCC. The transmitted field strength shall not exceed 80 millivolts per meter at 3 meters. The operating frequency shall be user selectable by front panel controls to 37 frequencies in the auditory band. The transmitter shall have six user defined presets programmed and selected using front panel controls. Broadcast frequency in use shall be displayed on a front panel LCD. The transmitter shall not exceed a total of 50kHz of FM deviation. Frequency stability will be controlled by a crystal based frequency synthesizer with accuracy within +/- 0.005% from 0 - 50° C.

The transmitter shall have a balanced microphone level mini-XLR jack and an unbalanced line level RCA input jack. The microphone input shall have a switch to provide audio muting when engaged. These inputs shall be selected to either individually active or a mix of both. There shall be an audio processing chain consisting of dynamic equalization and broadband AGC.

The transmitter shall be powered with two AA batteries. The front panel shall have a power switch which when selected energizes the circuitry, activates the LCD, and begins RF transmission.

The transmitter shall be constructed of injection molded plastic and be designed for hand held use or to be belt-clipped to the operator.

The Gentner Venture Express transmitter is specified.