

## Operational Description

The GMRS522 radio is a self-contained transceiver unit intended for use as a general communication tool. Per the FCC definition: GMRS is a land mobile radio service available to persons for short distance two-way communications to facilitate the activities of licensees and their immediate family members. The GMRS522 model has 22 channels of which channels 1-7 share the FRS channels 1-7. Other features include a CTCSS system with 38 pre-defined user selectable sub-audible tones for channel quieting. The useable range, while dependent upon terrain and other radio propagation principles, is typically two miles based on the transmit power specified at 0.5 watts ERP.