

## SPECIFICATION OF UHF REPEATER

Frequency range : 403 MHz to 470 MHz.  
No. of channels : 16 channels or more ( Programmable)  
Channel spacing : 12.5/25 KHz.  
Type of emission : 11KOF3E  
Type of operation : Full Duplex/Semi duplex ( Programmable)  
Out put impedance : 50 Ohms

Temperature Range : 10<sup>0c</sup> to 60<sup>0c</sup>  
Duty cycle : Continuous operation

The built in Repeater cabin should incorporate with **Interface controller , Duplexer** with **U H F or N type** female connector and **Micro phone Power Supply-12V/15A** ( Eliminator cum battery charger) **linear type** will be provided inbuilt/ External for the Repeater

### TRANSMITTER

RF Power Output : Maximum 40 W ( programmable )  
Modulation Limit : up to 2.5 KHz for 12.5 KHz band width  
Up to 4 KHz for 25 kHz band width

### RECEIVER

Receiver Sensitivity : 0.28 micro volt @ 12 dB SINAD ( -118 dbm )

#### **Accessories**

- Service manual and Program kit should be supplied for 10 Sets @ 1 each (maximum 2 Nos.).
- Operating manual for each set
- UHF Band (403– 470 MHz ) high gain (6 db) tunable GP Antenna with fitting clamps and 30 mtr RG 217 co-axial cable with 2 end connected UHF male connector.

### UHF ANTENNA - 6db UHF GP Antenna

Frequency : 403 to 470 MHz Tunable  
Type of Antenna : Ground plane  
Gain : 6db or More  
Watts : 25 / 50 watts  
Mounting Type : Suitable Mounting Clamp  
Cable Connector : UHF Female Connector.  
V.S.W.R : 1.3