

SY-550

FEATURES



- AUDIO FREQUENCY VOLUME
- SQUELCH CONTROL VOLUME
- EXTERNAL SPEAKER JACK
- ILLUMINATION LAMP FOR LCD DISPLAY
- CHANNEL UP & DOWN BY ROTARY PULSE SW
- MEMORY LOAD (ML)
- KEY LOCK (LOCK)
- VFO
- CHANNEL SCAN (SCN)
- CALL SYSTEM FOR 145.00MHz (CALL)
- TONE CALL (TC)
- 2ND FUNCTION (F)
- MHZ, COURSE (MHZ)
- CHANNEL SPACE SELECTOR KEY (STEP)
- PRIORITY (DUAL WATCH) (PRIO)
- RPT KEY (± 600 KHZ SHIFT) (RPT)
- MEMORY SAVE KEY (MS)
- POWER HI/LOW WITH PTT KEY

VHF/FM MOBILE

TRANSCEIVER

MODEL : SY-550

LCD DIGITAL PLL SYNTHESIZER SYSTEM
BUILT-IN VFO FUNCTION
TONE CALL WITH REPEAT SYSTEM
10 PRESET MEMORY
30W RF OUTPUT POWER



SPECIFICATION

GENERAL SPECIFICATION

- Frequency cover range : 141.00~149.995MHz
 - (1) Mode1 : 144.00~145.995MHz
 - (2) Mode2 : 144.00~147.995MHz
 - (3) Mode3 : 141.00~149.995MHz
- Frequency resolution : 5kHz, 10kHz, 12.5kHz, 20kHz, 25kHz Steps.
- Memory channels : 10 Channels
- Antenna impedance : 50 Ohms unbalanced
- Signal type : F3E (FM)
- Power Supply requirement : 13.8V $\pm$ 20%
- Dimension : 140(W) X 124(D) X 41(H)

TRANSMITTER

- Output power : 30 Watts at hi/1Watt at low power
- Modulation System : Variable reactance frequency modulation.
- Maximum frequency deviation : $\pm$ 5KHz
- Tone call frequency deviation : $\pm$ 4.5KHz (at 1.7KHz)

RECEIVER

- Double-Conversion Superheterodyne
- I.F. : 1 st IF-21.4MHz
2 nd IF-455KHz
- Sensitivity : 12dB S/N less than -120dBm
- SQ threshold : 0.15uV
- SQ tight point : 1.0uV
- SQ gap : about 18dB

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