

LABEL FORMAT

RADIO SHACK/HTX-252

RADIO SHACK

FCC ID : AA01901127

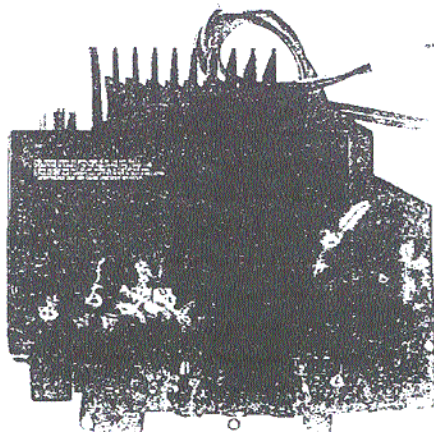
MODEL : HTX-252

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED
OPERATION.

MADE IN KOREA

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE
CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS
PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

LOCATION OF LABEL



A. Changed capacitor C35 from 1000uF to 6800uF.

This capacitor is line filter.

HTX-252 have no problems with good condition of ignition system of car, but some car have excessive audio frequency composite noise on power line from ignition system.

We found that this noise can be heard during receive mode.

It can be reduced effectively with increased value of C35 from 1000uF to 6800uF.

This change is only for line filter, so it does not affect to RF circuit.

D. Protection of readily being altered by user to receive Transmission in cellular telephone bands.

The CPU, IC204 SY-501 is masked at manufacturer and fixed to VHF band only.

So there is no way to add cellular telephone bands with chipping the leads of or installing a sample component, replacing a plug-in semiconductor or programming a semiconductor chip.

This radio does not have converting circuit for digital cellular communication Transmission to analog voice audio.

E. Be designed so that the tuning control and filtering circuiting is inaccessible

Tuning circuits is controlled by PLL.

The PLL IC, IC 701, LV2105, is serial data controlled system and the maximum operating frequency coverage of this PLL IC is 550MHz only.

So any attempts to modify to receive transmissions from the cellular radio telephone service are impossible with this PLL IC.

Input filter L6 and output filters L4, L3, L2 of 1st, RF amplifier Q6, 3SK131 are all narrow band pass filter for VHF band only. VHF band signal of cellular telephone cannot be tuned with there filters.

Mixer Q4 has two cascade X-tal filters which have extremely narrow pass band. It can reject all cellular telephone signal completely except correct selected VHF tuned frequency.