



Acacia-1

An overview of all currently known Russian covert VHF FM radios is provided in Appendix 3.

AK PPR1-1



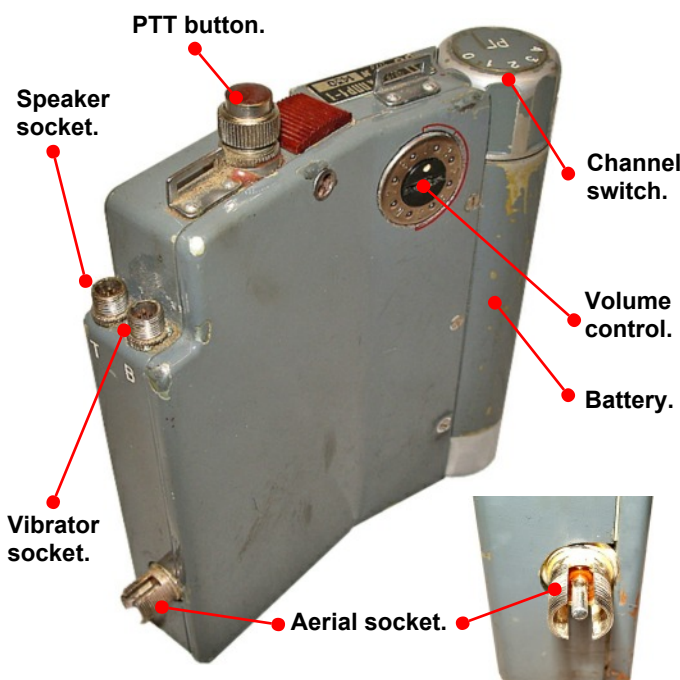
Acacia-1 Country of origin: Russia

DATA SUMMARY

Organisation: KGB.
Design/Manufacturer: Russia.
Year of Introduction: Probably late 1970s/early 1980s.
Purpose: Covert surveillance/observation operations.
Transmitter-Receiver: Technical details not yet known. 5 channels, believed operating in the 148/150MHz band; possibly built-in speech masking. (Scrambler)
Power Supply: Rechargeable 12.5V battery, comprising ten 550mAh NiCad cells.
Accessories: Speaker/microphone, rechargeable batteries, vibrator unit.

REMARKS

Acacia (Russian: Акация-1 = Akatsiya-1, name of a plant) was a miniature VHF FM body wearable covert transmitter-receiver. A variation known as AK PPR-1 (Russian: АК ППР-1) was noted. It was primarily developed for use by special services during covert surveillance/observation operations concealed under the clothing, carried in one of the pockets or a strap on the neck, hence its curved shape. The letters and numbers on the type number plates (see above) were believed to be the serial and type number, organisation-group and channel numbers. (See Appendix 3 for more details).



Vibrator unit.



Rechargeable 12V battery.



Internal view showing one of the two fully sealed modules.

References:

- This chapter was based on information of the Crypto museum (www.cryptomuseum.com) and information from various sources derived from the Internet.
- Photos by Valery RW6ASE, Russia.