

Transmitters & Antennas

Aircraft Transmitters & Antennas

1. RT-138

- FCC Type Acceptance # FRW4WJRT-138F
- Emission Designator 16K0F3E
- Nominal Output Power 10 Watts
- Frequency range 138 MHz to 173.9975 MHz

The Wulfsberg RT-138 transmits over 2 antennas. The upper antenna is a Sensor Systems PN S65-111-310 dual element antenna. The lower antenna is a Chelton PN 21-38-3RF/36 (AT-140).

- Sensor Systems PN S65-111-310:
 - VSWR 2.0:1 (132 to 174 MHz)
2.6:1 (225 to 400 MHz)
- Chelton PN 21-38-3RF/36:
 - Gain 1.2 dBi max (100 to 200 MHz)

1. KTR-909

- FCC Type Acceptance # N/A
- JF12 # 07680
- Emission Designator 6K00A3E
- Nominal Output Power 10 Watts
- Frequency range 225 MHz to 399.975 MHz

The Allied Signal Bendix/King KTR 909 transmits over a single antenna mounted on top of the aircraft. The antenna is a Sensor Systems PN S65-111-310 dual element antenna.

- Sensor Systems PN S65-111-310:
 - VSWR 2.0:1 (132 to 174 MHz)
2.6:1 (225 to 400 MHz)

1. RT-5000

- FCC Type Acceptance # FRW4WJRT-5000
- Emission Designator 16K0F3E (29.7 to 50 MHz)
6K00A3E (118 to 136 MHz)
16K0G3E (138 to 174 MHz)
16K0F3E (406 to 512 MHz)
14K0F3E (806 to 869 MHz)
11K0F3E (896 to 940 MHz)
- Nominal Output Power 15 Watts AM (29.7 to 400 MHz)
10 Watts FM (29.7 to 960 MHz)

- Frequency range 29.7 MHz to 960 MHz

The Wulfsberg RT-5000 transmits over 2 antennas. The upper antenna is a Sensor Systems PN S65-8282-34 dual frequency antenna. The lower antenna is an Allied Signal PN 121-016821-01.

- Sensor Systems PN S65-8282-34:
 - VSWR 2.6:1 (30 to 88 MHz)
2.3:1 (108-174 MHz)
2.3:1 (225 to 400 MHz)
- Allied Signal PN 121-016821-01:
 - VSWR 2.0:1 max (400 – 960 MHz)

Ground Transmitter & Antenna

1. Exact model unknown. We have requested that the customer provide us with another Wulfsberg RT-5000. Transmitter information will be provided as soon as it is available. Whatever we get for the ground radio, the antenna will most likely be a Radio Shack discone antenna.
 - Radio Shack discone Cat. No. 20-043:
 - VSWR 1.5:1 max (25 to 1300 MHz)