

CFYZ, INFORMATION RADIO
PEARSON INTERNATIONAL AIRPORT

TECHNICAL INFORMATION

Radiating Antenna System

The antenna structure consists of a freestanding tubular mast, 35 feet high, topped by a hexagon-shaped capacitive loading structure, or top hat. Both mast and top hat are constructed of lightweight aluminum alloy, capable of withstanding a maximum wind velocity of 100 miles per hour.

The antenna is centrally located on the Airport property, on a four-storey building 250 feet long by 88 feet wide. The grounded metal roof of the building provides the rf current return path and completes the system.

Antanna type is a Polestar, PA35D, manufactured by Nautical Electronics Laboratories Ltd.

Transmitter System

The transmitter is a totally solid state, medium wave, amplitude modulated broadcast transmitter. Power output is adjustable from 25 to 400 Watts into a nominal 50 ohm unbalanced transmission line. In this installation the power is adjusted to deliver 35 Watts into the antanna system.

Remote control facilities have been incorporated to allow operation at the transmitter site remotely located from the station studio.

Transmitter type AmpFET, P400, manufactured by Nautical Electronics Laboratories Ltd.