

Williams AV	10300 Valley View Road Eden Prairie, Minnesota 55344	FCC ID: CNMFMT55C IC ID: 1360A-FMT55C
FM T55C(D) Antenna Information		

The FM T55C(D) is a base station transmitter operating in the 72-76MHz band. We offer # antennas for sale with this product:

- ANT 005
 - Manufactured by Lee Manufacturing. P/N: ANT 005B
 - This is a remote coaxial antenna. It includes a 22' long overall cable, with an 80" section providing the active antenna. This antenna is connected to the FM T55C(D) via the standard F-connector port on the rear of the unit.
 - Gain of +2.4dBi max – dipole



Figure 1: ANT 005

- ANT 021
 - Manufactured by Mobil-Advance Industrial Co LTD. P/N: AM168-002/Rev D
 - This is a rubber ducky antenna. It is 9" long and is screwed directly onto the transmitter board. The port of this antenna is a #10-32 screw hole, which matches the non-standard #10-32 screw post mount on the FM T55C(D).
 - Gain of -2.8dBi max - monopole

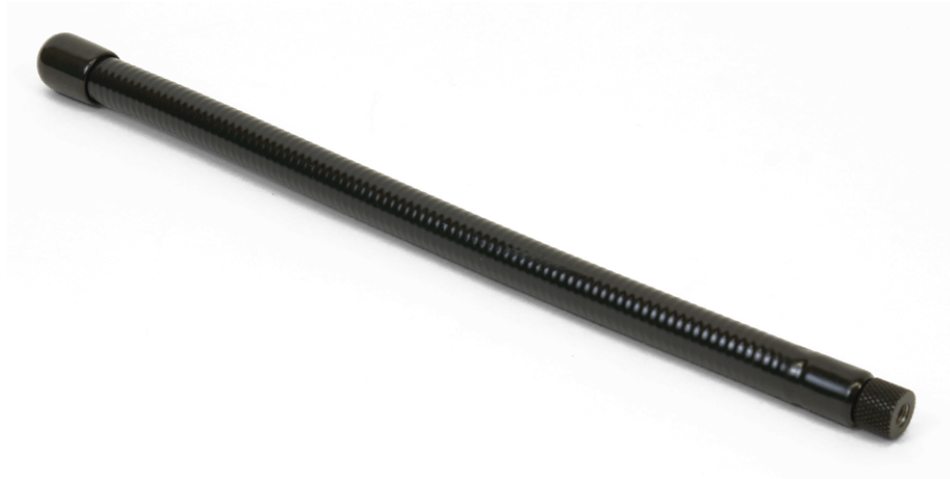


Figure 2: ANT 021

- ANT 024
 - Manufactured by Williams AV. P/N: ANT 024
 - This is a wall mounted telescoping dipole whip antenna for remote installation. It is 40" long with both whips fully extended. This antenna comes with a 75Ω RG-9U coaxial cable with F-connectors to connect the ANT 024 to the F-connector port on the rear of the FM T55C(D).
 - Gain of -1.7dBi max - dipole



Figure 3: ANT 024

- ANT 025

- Manufactured by Mobil-Advance Industrial Co LTD. P/N: AM168-004/Rev C
- This is a PCB mount telescoping whip antenna. It is 39" long when fully extended. The port of this antenna is a non-standard #10-32 screw hole, which matches the #10-32 screw post mount on the FM T55C(D).
- Gain of 2.4dBi max - monopole



Figure 4: ANT 025

- ANT 028
 - Manufactured by Mobil-Advance Industrial Co LTD. P/N: STEM-1F-SW / Rev A
 - This is a rear mount telescopic whip antenna on a 180° swivel. It is 39" long when fully extended. This antenna connects directly to the F-connector port on the rear of the FM T55C(D).
 - Gain of -2.6dBi max - monopole



Figure 5: ANT 028

- ANT 029
 - Manufactured by Williams AV. P/N: ANT 029
 - This is a rubber ducky antenna. It is 9" long and is screwed into a rack mount female to female F-connector port, which is in turn connected to the rear F-connector antenna port on the FM T55C(D) via a coaxial cable.
 - Gain of 0dBi max - monopole



Figure 6: ANT 029

These antennas comply with FCC 15.203, and shall always be installed by a qualified professional installer. Only approved compliant antennas shall be used with this device.

ANT 021 and ANT 025 are antennas that mount by a non-standard screw post (or stud) through a hole in the top cover of the chassis. No other antennas will mate with this socket.

ANT 005, ANT 024, ANT 028, and ANT 029 are antennas that attach to the F-connector on the back of the unit. This F-connector has a cap that is thread locked, which needs a tool to be removed in order to professionally install any antennas on this port.

All of these antennas have been tested and verified to radiate less than the maximum 80mV/m at 3 meters permitted to this type of equipment, when connected to the FM T55C(D) transmitter(s) with a radiated output as set by the manufacturer.