



GREATER AUSTIN / TRAVIS REGIONAL RADIO SYSTEM

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A robust radio network serving Public Safety and Public Works agencies across Central and South Texas

FSB NUMBER: FSB20130213

DATE: Feb 2013

EXPIRES: NONE

BULLETIN TYPE: CRITICAL SERVICE

FIELD SERVICE BULLETIN

SUBJECT: APX and XTS Series Portable Radio Antennas

MODEL / SYSTEM AFFECTED:

All APX and XTS Series Portable Radios

SYMPTOMS:

Radio performance may be degraded in those areas where radio system signal strength is less than optimal, such as indoors and in certain geographic areas in both the urban and suburban parts of Travis County and other counties the radio system serves.

CAUSE:

The degraded performance is due to the use of 3.5-inch stubby antennas on APX and XTS Series Portable Radios.

RESOLUTION:

Replace the 3.5-inch "stubby" antenna with the standard-issue 7 inch whip antenna.

SEVERITY RECOMMENDATION:

High - Perform Immediately

PARTS REQUIRED (HARDWARE/SOFTWARE):

700/800 only radios will use part # '8505241U11' - Flexible Whip Antenna, Dual Band, 764-870 MHz, 7 inch

VHF/700/800 radios will use part # 'NAR6594A' - Antenna VHF / 7/800/GPS

NOTE 1:

Because the Motorola stubby antenna is not capable of transmitting or receiving VHF signals, attaching a stubby antenna to a radio with VHF capability, such as the new Motorola APX7000 "dual band" radio, seriously degrades operation of that radio. A dual-band radio equipped with a stubby antenna will operate only on the 700/800 MHz layer of the radio system; VHF operation will cease.