

2.8 SAFETY PRECAUTIONS

2.8.1 User Operation

Do not operate your unit when a person is within 8 inches (20 centimeters) of the antenna. A person or object within 8 inches (20 centimeters) of the antenna could impair call quality and may cause the phone to operate at a higher power level than necessary.

IMPORTANT: The unit must be installed in a manner that provides a minimum separation distance of 20 cm or more between the antenna and persons to satisfy FCC RF exposure requirements for mobile transmitting devices.

IMPORTANT: To comply with the FCC RF exposure limits and satisfy the categorical exclusion requirements for mobile transmitters, the following requirements must be met:

2.8.2 Antenna Installation

The antenna installation must provide a minimum separation distance of 20 cm from users and nearby persons, and must not be co-located or operating in conjunction with any other antenna or transmitter.

The conducted output power and combined cable loss and antenna gain must not exceed 1.5 W ERP (Cellular) and 3.0 W ERP (PCS) to qualify for the rf exposure categorical exclusion requirements of 2.1091. Additionally, the 1900 MHz (PCS) 24.232(b) radiated power limit is 2 Watts EIRP. OEM installers must be provided with antenna installation instruction and transmitter operating conditions for satisfying RF exposure compliance.

Maximum Antenna System Gain

	800 MHz (Cellular)	1900 MHz (PCS)
FCC ID: IHDT56DB1 (800 MHz PC5)	12.6 dBi	3.9 dBi
FCC ID: IHDT56DB2 (800 MHz PC4 2W)	7.9 dBi	3.4 dBi