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# 1. General Introduction

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The SPH-A500 DBTM(Dual Band Tri Mode) phone functions as analog phone working in AMPS (Advanced Mobile Phone Service) mode and digital phone working in PCS (Personal Communication Service), CDMA(Code Division Multiple Access) and GPS modes.

The following standards and minimum performance standards shall be met or exceeded by each subscriber unit.

## Air Interface

TIA/EIA IS-2000 Rel. 0 : Mobile Station-Base Station Compatibility Standard for Dual Mode Spread Spectrum Systems.

TIA/EIA IS-2000 Rel. 0, Addendum 1 : First Addendum to Mobile Station-Base Station Compatibility Standard for Dual Mode Spread Spectrum Systems.

TIA/EIA IS-2000 Rel. 0, Addendum 2 : Second Addendum to Mobile Station-Base Station Compatibility Standard for Dual Mode Spread Spectrum Systems.

TIA/EIA IS-98-D : Recommended Minimum Performance Standards for Dual-Mode Spread Spectrum Mobile Stations

TIA/EIA/IS-127 : Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread PCS Digital Systems

TIA/EIA/IS-127-2 : Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems - Addendum 2

TIA/EIA/IS-733-1 : High Rate Speech Service Option 17 for Wideband Spread Spectrum Communication Systems - Addendum 1 (TTY/TDD Extension)

## CDMA Receiver/Transmitter Specifications and Requirements

The Subscriber Unit shall comply with ANSI J-STD-008 and meet or exceed TIA/EIA IS-98D. The Subscriber Unit shall comply with Personal Station Class II.

## Analog Receiver/Transmitter Specifications and Requirements

The Subscriber Unit shall comply with TIA/EIA IS-95B and meet or exceed TIA/EIA IS-95. The Subscriber Unit shall comply with Mobile Station Power Class III.