

Exhibit 1

By this application, AirNet Communications Corporation ("AirNet") seeks to obtain an experimental license for testing in the 1747-1755 and 1842-1850 MHz frequency bands.

Band:	<i>FAS</i> 1747-1755 MHz (mobile transmit); and 1842-1850 MHz (base transmit)
Transmitter Power:	Base station = 20 watts per channel or less Mobile units = 2 watts
ERP:	<u>100 watts</u> (average and peak) total
Emission Desig:	300KGXW
Modulation:	GMSK (Gaussian Minimum Shift Keying) with Bt product of 0.3
Modulating Bit Rate:	270.933 kb/s
Keying (symbol) rate:	135.416 ks/s
Channel spacing:	200 kHz
Standard:	J-STD-0007, issued by Joint Technical Committee on Wireless Access.

Exhibit 2

The equipment to be developed under the proposed experimental station will be exported to other countries. The 1.8 GHz band is used in other countries for Digital Communications Services, or "DCS." AirNet seeks to develop DCS-1800 equipment for export to those countries that employ this mobile communications standard. In particular, AirNet is pursuing agreements in China, Southeast Asia, and Australia.

As it has done since it was first granted an experimental license in November 1994, AirNet will continue to prevent co-channel and adjacent channel interference to authorized users in the surrounding area. AirNet also recognizes that its use of the subject frequencies will be on a secondary basis in accordance with Part 5 of the Commission's Rules. AirNet's staff have experience with frequency coordination and will likely rely on spectrum analysis, frequency studies, and notification to avoid causing harmful interference to authorized users.

Exhibit 3

AirNet is an equipment manufacturer known around the world for its high quality communications products. AirNet was recently the recipient of the 1998 GSM World Award for Best Technical Innovation at the GSM World Congress in Cannes, France. The award was bestowed for AirNet's pioneering work in GSM infrastructure development, which resulted in a commercially available Base Station Subsystem (BSS) capable of providing concentrated capacity and distributed coverage in a low-cost tiered network architecture. This award is especially significant in that it is the first time Best Technical Innovation has been awarded for GSM infrastructure and the first time a North American company has won for any technical product. AirNet is also an existing FCC-authorized experimental licensee for stations KA2XAF and KM2XOQ. AirNet has an exemplary record of rule compliance and interference free operations as an FCC licensee.

By this application, AirNet seeks to employ frequency assignments in the 1.7 and 1.8 GHz bands for development of DCS-1800 products. In particular, AirNet seeks to operate in the 1747-1755 MHz (receive) and 1842-1850 MHz (transmit) bands. Much of the spectrum in these bands (1710-1850 MHz) is currently allocated to the federal government for fixed services (medium capacity point-to-point microwave). However, President Clinton recently signed into law the Balanced Budget Act of 1997, Section 3002 of which requires the federal government to privatize spectrum in the 1710-1755 MHz bands in the coming years. The Commission should also note that the Melbourne BTA is not close to Eglin Air Force Base, an area designated by NTIA for protected operations in the 1710-1755 MHz band. The 1842-1850 MHz band is not used by the federal government; it merely serves as a guard band for federal operations in the 1761-1842 MHz band.

AirNet will limit its testing and use of the frequencies to the maximum extent possible, employing "dummy loads" and indoor operations where feasible. However, AirNet must test its base station equipment and software to ensure that cell-site handovers are properly accomplished. AirNet also performs mobile phone drive testing. Thus, AirNet's experimental authorization cannot be severely limited in scope if it is to engage in meaningful testing.

Exhibit 4

This authorization is required to enable AirNet to continue its program of testing and demonstration of its base station and mobile station systems, which will be manufactured for sale to international mobile communications providers.

The fixed base stations to be operated under this authorization are experimental, and will be manufactured by AirNet. The mobile units to be operated are off-the-shelf models made by various manufacturers.

Exhibit 5

AirNet seeks to operate its experimental station within a 10 mile radius of the geographic coordinates: N 28-05-24 - W 080-37-28. This limited service area is much smaller than the nationwide experimental service areas authorized to some experimental licensees. AirNet will maintain approximately 4 cell sites well within this 10 mile radius for testing purposes.

Because AirNet seeks the flexibility to operate at temporary and fixed locations throughout a fixed radius of its testing site, some testing situations may require use of antennas or support structures that require FAA notification. FAA notification will be submitted in a timely manner if required under Part 17 of the Commission's Rules. In the past, AirNet has obtained FAA approval prior to commencing operations that affect air navigation. See e.g., FAA Aeronautical Study No. 95-ASO-1748-OE.