

LIST OF EXHIBITS

EXHIBIT 1

Selection of Frequencies

EXHIBIT 2

Particulars of Operations

EXHIBIT 3

Area of Operation

EXHIBIT 4

Description of Experimental Testing Program

Compliance with FCC Rules and Policies

Exhibit 1

APT Columbus, Inc.

Selection of Frequencies - Response to FCC Form 442, Item 4 (a)

The frequency bands 1870-1885 MHz. and 1950-1965 MHz. have been allocated for broadband PCS use, designated as Channel Block B, for which APT Columbus, Inc. is currently licensed, market number M038, Call sign KNLF276, file number 00073-CW-L-95.

Response to FCC Form 442, Item 4 (b), (c) and (d)

Three possible PCS transmitters will be used in these experiments. Listed below are the type of transmitter, the maximum output power, and the frequency range for each one.

Transmitter	Max Power Output	Frequency Range
LMW Synthesized Electronic STI-6	10 watts	1.8-2.0 Ghz
MLJ PCS-20	20 watts	1850-1990 MHz
GTX-20	20 watts	1.85-1.89 Ghz

Exhibit 2

APT Columbus, Inc.

Particulars of Operations
Response to FCC Form 442, Items 4 (e), (f), and (g)

Different emissions and modulations will be used during these experiments. Most of the modulations will be digital and will focus on the performance of various schemes such as TDMA, CDMA, and GSM.

An experimental multi-phase shift keying (QPSK) modulation will be used in the studies. Power output will be a maximum of 20 watts. RF Bandwidth for this system will meet all FCC Part 15 requirements for unlicensed used in ISM bands.

Exhibit 3

APT Columbus, Inc.

Area of Operation - Response to FCC Form 442, Item 5

The APT Engineering staff will select sites in the licensed Columbus, OH MTA for its receivers and test equipment to make propagation and technical evaluations and will comply with notification requirements in Section 5.65 (b) of the FCC rules. All antennas will either be sufficiently shielded by a building or existing tower so as to be exempt from notification to the FAA under Section 17.14 (b) of the Commission's rules or will be installed on a building or tower so that its height does not exceed 6 meters above the existing structure. APT will comply with all applicable sections of part 17 of the Commission's rules.

Exhibit 4

APT Columbus, Inc.

Experimental Program

APT Columbus, Inc. will make technical evaluations to support propagation studies, site selection and equipment testing necessary to install a PCS system for use in the licensed market area.

Compliance with FCC Rules and Policies

APT hereby confirms that it will accept grant of the license in the Experimental Radio Services requested here with the express understanding:

(a) that the authority to use the frequency or frequencies assigned is granted upon an experimental basis only and does not confer any right to conduct an activity of a continuing nature.

(b) that such grant is subject to change or cancellation by the Commission at any time without hearing if in its discretion the need for such an action arises.

APT will use all reasonable precautions to ensure that radio frequency energy and emissions from its experiments will not cause harmful interference to the services carried by stations operating in accordance with the Table of Frequency Allocations in Part 2 of the Commission's Rules. If harmful interference develops, APT will cease transmission and transmissions shall not be resumed until it is satisfied that harmful interference will not be caused. APT hereby confirms that it not conduct its experiment in the vicinity of any FCC monitoring station listed in Section 0.121 (c) of the Commission's Rules.

The Commission is requested to exempt by the terms of the station authorization requested here each class of station proposed to be deployed in the experiment from compliance with the station identification requirements in Section 5.152 of the Commission's Rules.