

NexGen City LLP
Experimental License
File No. 0178-EX-PL-2003

Exhibit 1

This application requests authority to conduct experimental operations for the purpose of proof of concept tests and equipment development. The equipment to be used will operate in the 2410 – 2470 MHz range. If the tests prove the feasibility of the system, NexGen City LLP intends to seek certification for equipment of the same or similar design under Part 15.

Area of Operation: NexGen City LLP seeks authority to conduct these experimental operations within an 80 km radius of the following cities:

Dallas, TX

Ref. Coordinates: NL 32-47-09; WL 96-47-37

Orlando, FL

Ref. Coordinates: NL 28-32-42; WL 81-22-38

Kansas City, MO

Ref. Coordinates: NL 39-04-56; WL 94-35-20

Purpose of Operation: The proof of concept tests will be conducted in cooperation with public safety agencies in jurisdictions within the proposed operating areas utilizing personnel who are accustomed to the use of radio communications devices in carrying out their duties. The tests will evaluate the suitability of using mesh networks for certain public safety communications needs. The equipment to be tested will supplement other public safety communications equipment.

Number of Units: No more than 10 portable units will be used in each geographic market, for a total of 30 units or less. The tests will involve custom built handheld data terminal/communicator units that will incorporate transceivers developed by MeshNetworks, Inc. These transceivers will utilize the transmitter approved for Part 15 use under FCC ID QJEWMC63000902. Because the units will be incorporated into handheld devices that may also be worn by public safety officers on their belts, the units will be modified to use a different mounting configuration from that evaluated in the Part 15 authorization for the equipment (*i.e.* a handheld or belt-worn device instead of a laptop computer), but will employ an antenna of the same gain. Accordingly, experimental authority is needed as the equipment to be used for the test will be modified from that otherwise approved under Part 15.

The test will also utilize no more than 10 fixed units, which will consist of point-to-point units utilized to link wireless access points. The point-to-point units will employ equipment developed originally for operation under Part 15, but with modified antennas. The effective isotropic radiated power of fixed units will comply with the requirements of Section 15.247.

Tower Painting and Lighting: Fixed units will not involve the extension of the height of any tower, nor will the antenna or supporting structure installed for such antenna extend more than 20 feet above the height of any building. As such, the operation should not pose any tower painting and marking issues.

Equipment Ownership: All RF transmitting equipment operated under the experimental authority will remain the property of NexGen City LLP and will be returned to NexGen upon completion of the tests.

Moreover, in accordance with Section 2.803 of the FCC rules, none of units will be marketed. To that end, NexGen will advise entities using the equipment that permission to operate the equipment has been granted under experimental authority issued to NexGen, is strictly temporary and may be canceled at any time. It will also advise entities that operation is subject to the condition that the equipment may not cause harmful interference. Specifically, NexGen proposes to label the equipment conspicuously as follows:

FCC STATEMENT

Permission to operate this device has been granted under experimental authority issued by the Federal Communications Commission to NexGen City LLP, Incorporated, is strictly temporary, and may be canceled at any time. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received including interference that may cause undesired operation.

This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or sold until the approval of the FCC has been obtained. Thus, the user does not hold a property right in the device and may be required to return the device.

RF Exposure: The equipment for which this STA is sought will communicate with MeshNetwork equipment approved under Part 15 and modified fixed transmitters designed to comply with Part 15, all of which will be installed in a limited network. With an effective radiated power of no more than 24 dBm (0.251 Watts), the mobile/portable equipment to be used is well below the 100 Watt ERP threshold above which experimental applications are subject to routine environmental review under Section

1.1307 of the Commission's rules. Similarly, the fixed point-to-point equipment will be limited to an EIRP of no more than 37 dBm (calculated as follows: 22 dBm output, max ant gain of 20 dBi, derating for 14 dB above 6 dBi of -5 db), which would be consistent with Section 15.247. All fixed point-to-point equipment that is mounted on a tower will be mounted at least 5 meters above ground level in a secure fashion and will not be easily accessible by unauthorized persons. Building mounted point-to-point antennas will be located in secure areas not easily accessible by unauthorized persons. A copy of the manufacturer's information on the antenna to be used for point-to-point operation is attached.

Duration: This license application requests an initial term of two years in order to provide for continued testing and product development following on the initial work conducted under STA WB9XSN, file no. 0056-EX-ST-2003.

Telex® Technical Data

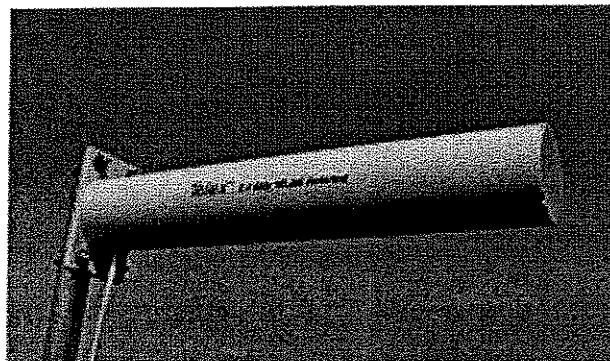
2.4 GHz WLAN Yagi Antenna

Order No. 2415AB

2.4 - 2.484 GHz

General Description

This antenna is a totally enclosed 16 element Yagi antenna for the 2400 to 2484 MHz frequency band. It is designed to be used as a bridge antenna between two networks or for point to point communications. It has a nominal VSWR of 1.5:1 and is less than 2:1 over the entire frequency band. The gain is 13.5 dBi and the half-power beamwidth is 30 degrees. This antenna is normally mounted on a mast and is vertically polarized.



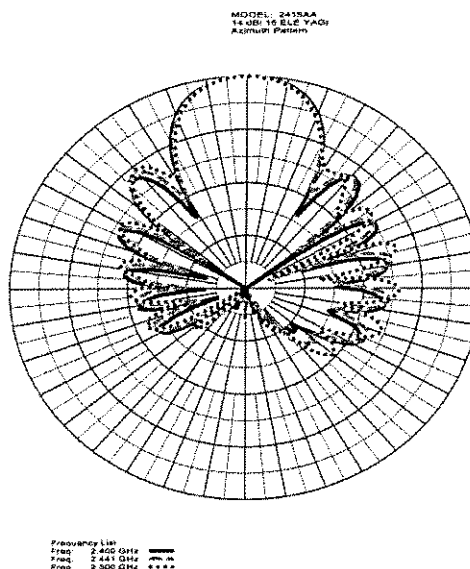
Specifications

Electrical:

Frequency Range 2400 - 2484 MHz
VSWR Less than 2:1, 1.5:1 Nominal
Nominal Impedance 50 ohms
Gain 13.5 dBi (11.3 dBd) Nominal
Front-to-Back ratio greater than 20 dB
Half-power Beamwidth 30 degrees
Polarization Vertical

Mechanical:

Size 18" (46 cm) long
Mounting method clamps to vertical mast up to - 1 5/8" O.D
Cable length 36" (91 cm)
Cable Type RG-58 A/U Type, 50 ohm, low-loss, white
Connector Reverse Polarity (RP) TNC



Since it is the intent of TELEX COMMUNICATIONS, INC. to continually improve its products, Telex reserves the right to make specification and design changes without notice.

TELEX®

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