



Tony Wells
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February 21, 2002

Experimental Licensing System
Office of Engineering & Technology
Federal Communications Commission
445 – 12th Street, S.W.
Washington, DC 20554

RE: License Activity Report for WC2XTS (0257-EX-PL-2001)

Pursuant to 47CFR 5.73, C Squared Systems, LLC wishes to inform the Federal Communications Commission of test activity planned and coordinated for Cheshire County in the state of New Hampshire on and between the 25th of February 2002 and the 8th of March 2002. The full details of the test locations and the microwave and indigenous carrier coordination are found on the attachments from Comsearch. The coordination number from Comsearch is #KEE 02022101.

The test transmissions are to verify the viability of each of the locations listed for use by the Commission's PCS licensees. In addition, the data obtained will be used to fine tune propagation modeling software to allow more accurate predictions to be made for the subject areas and other areas of similar topography.

Tony Wells
Managing Partner
C Squared Systems LLC



February 21, 2002

Thomas Howey
C Squared Systems

**RE: C Squared Systems
Temporary Drive Testing at 5 sites located within Cheshire County, NH**

Dear Mr. Howey:

Comsearch has completed the frequency coordination for C Squared Systems' temporary PCS operations at 5 sites in Keene, NH BTA during the period of February 25 – March 8, 2002. The specific frequencies coordinated are listed on the attachment.

In order to avoid harmful interference with microwave systems and to comply with the FCC rules and regulations, we have analyzed the temporary operation in our Spectrum Sharing tool against other microwave systems within the FCC required coordination distance. The calculations used in our analysis follow the guidelines specified in TIA Telecommunications Systems Bulletin (TSB) 10-F, "Interference Criteria for Microwave Systems." Specifically, it includes both threshold degradation and carrier-to-interference (C/I) methodologies for analog and video microwave receivers, and threshold-to-interference (T/I) methods for digital microwave receivers. Industry accepted propagation models are used in order to compute the interfering levels into microwave receivers.

If you have any questions or require additional information, please call me at (703) 726-5705, or send e-mail to nbeekhuy@comsearch.com.

Sincerely,
COMSEARCH

Nilanthi Beekhuysen
Supervisor
Spectrum Sharing Engineering
enclosures



Test Transmitter Information

	Latitude	Longitude	Bandwidth	EIRP (dBm)	Antenna C/L (ft)	Frequencies (MHz) Base/Mobile
Fixed TX 1:	42-44-48.2	72-23-23.4	50 Hz	53.0	190	1973.75 / 1893.75
Fixed TX 2:	42-44-4.4	72-25-3.2	50 Hz	53.0	120	1973.75 / 1893.75
Fixed TX 3:	42-45-26.0	72-01-13.0	50 Hz	53.0	68	1973.75 / 1893.75
Fixed TX 4:	42-47-25.0	72-02-17.0	50 Hz	53.0	115	1973.75 / 1893.75
Fixed TX 5:	42-43-37.0	71-57-24.0	50 Hz	53.0	125	1973.75 / 1893.75
Operations will Start No Earlier Than: February 25, 2002		Operations will End No Later Than: March 8, 2002		All Transmitters will Located within: Cheshire County		
Company Name: C Squared Systems		Contact Name: Tom Howey		Contact Phone/Email: (603) 620-9015 / thomas.howey@csquaredsystems.com		

PCS Licensee Information

2) Licensee Name	Devon Mobile
3) Contact	Name: Mel Saldeen
	Phone: (716) 819-1705
4) Licensed BTA Name/Number	Keene, NH / BTA227
5) Licensed Frequency Block	PCS F-Block
6) Licensed Frequency Range (MHz)	1890-1995 MHz/1970-1975MHz

Authorization Information

7) Devon Mobile, Hereby Temporarily Authorize C Square Systems to Use the Spectrum Specified in 8) for the above Referenced Location and Dates. {The Use of authorized Spectrum will be Subjected to Terms and Conditions Stated in 10)}.	
8) Spectrum Authorized for C Squared Systems for the Above Mentioned Temporary Operations	From: ____ 1973.75 center frequency ____ MHz To: ____ 1893.75 center frequency ____ MHz
9) Total Bandwidth Authorized	50 Hz
10) Please Specify Conditions/Terms (Please Use a Separate Sheet If Needed)	Devon is allowing use of its spectrum under the condition that no damage will occur to its equipment. If damage attributable to C Squared Systems occurs Devon will expect to be compensated for repairs.
11) Name of Authorizing Personnel	Mel Saldeen
12) Title	RF Engineer



COMSEARCH
Prior Coordination Completion Exhibit

2/21/02

C Squared Systems

Keene, NH BTA

Frequency Block F

Prior Coordination Dated: 2/21/02

Coordination Serial # KEE 02022101

As required by Title 47 C.F.R. 24.237, the PCS cells corresponding to the above coordination serial number have been successfully prior coordinated with all co-channel and adjacent channel microwave incumbents within the coordination contour.

BELL CANADA - QUEBEC REGION
CENTRAL MAINE POWER COMPANY
CLINTON COUNTY OF NY
CONSOLIDATED EDISON COMPANY OF NEW
HYDRO-QUEBEC
MAINE MICROWAVE ASSOCIATES
MCGRAW HILL INC. NET ENG N-1
NASSAU COUNTY PD ELECTRONICS SQUAD
NEW ENGLAND POWER SERVICE COMPANY
NEW JERSEY TURNPIKE AUTHORITY
NIAGARA MOHAWK POWER CORPORATION
NORTHEAST UTILITIES SERVICE COMPANY
PORT AUTHORITY OF NEW YORK & NEW JERSEY
PUBLIC SERVICE ELECTRIC & GAS COMPANY
SCRANTON TIMES
SUFFOLK COUNTY OF POLICE DEPARTMENT

Respectfully Submitted,

COMSEARCH

Nilanthi Beekhuysen

Supervisor

Wireless Spectrum Sharing Engineering