

S-2171-EX-95

10/12/95

PEPPER, HAMILTON & SCHEETZ

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LONDON, ENGLAND
MOSCOW, RUSSIA

WRITER'S DIRECT NUMBER

(202) 828-1447

October 10, 1995

VIA EXPRESS MAIL

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

Re: Request for Special Temporary Authorization
(Vicinity of Colorado Springs, CO)

Dear Sir or Madam:

One may
I am writing on behalf of Omnipoint Corporation ("Omnipoint") to request Special Temporary Authorization to operate mobile microwave facilities throughout the Colorado Springs, Colorado, vicinity over a period of approximately thirty-six months.

*area, ?
radius?*

The purpose of the STA is to permit Omnipoint to test and improve the call switching and hand-off capabilities of its personal communications system equipment. To perform this work, Omnipoint requires access to high-bandwidth transmission facilities between cell sites. Because the cell sites will change frequently, the cost and time involved in provisioning conventional wireline or fixed microwave facilities would be prohibitive. Omnipoint can best overcome this barrier by mounting microwave transmitters and receivers on trucks and moving them from place to place as required.

Omnipoint, through this request, seeks authority to operate up to four mobile microwave transmitters in the 38.6-40 GHz band to provide T1 links between various locations in and around Colorado Springs. Omnipoint currently intends to employ equipment designed and certified by P-Com, Inc. for use in Operational Fixed Service (see the enclosed specifications

*24.5-40
at 21.50, 9/14
also*

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October 10, 1995

Page 2

sheet), but may ultimately choose to employ comparable equipment supplied by another vendor.

Enclosed is a check for \$45.00 and FCC 155 Fee Processing Form. Please call if we can answer any questions or supply any additional information.

Sincerely,



David A. Wormser

Enclosures

cc: Franklin Wright (by hand)
Lawrence Oby

Tel-Link 38 Specifications

DS1 & 4 DS1

GENERAL

Capacities	1 x 1.544 and 4 x 1.544 Mb/s
RF Channel Spacing	1 x T1 - 5 MHz, 4 x T1 - 15 MHz
Digital Interface	100 Ohm balanced
Digital Line Code	AMI or B8ZS
Modulation Type	2-FSK
Operating Freq. Range	38.6 to 40 GHz
Tx-Rx Spacing	700 MHz
Compatible Standards	FCC Parts 21, 94 and 15
Tuning Range	350 MHz
Frequency Source	Synthesizer
RF Channel Selection	IDU Controlled or via NMS
System Configurations	Non-Protected (1 + 0), Protected (1 + 1)
Loopbacks	Indoor Unit, Outdoor Unit, Link

SYSTEM GAIN (Non-Protected)

		w/FEC	w/o FEC
10 ⁻⁶ BER	1 DS1	105 dB	102 dB
	4 DS1	99 dB	96 dB
10 ⁻³ BER	1 DS1	107 dB	105 dB
	4 DS1	101 dB	99 dB

TRANSMITTER (Non-Protected)

Power Output	+17 dBm (50 mW)
Freq. Stability	±0.0005%
Attenuation Range	50 dB

ENVIRONMENTAL

Temperature Range	
Outdoor Unit	-30°C to +60°C
Indoor Unit	-10°C to +55°C
Relative Humidity	
Outdoor Unit	Up to 100% (all-weather operation)
Indoor Unit	95% at +55°C
Altitude	15,000 ft.

Specifications subject to change without notice and apply to equipment connected back-to-back unless otherwise noted.

IDU - Indoor Unit
 ODU - Outdoor Unit
 NMS - Network Management System
 FEC - Forward Error Correction

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ISO-9001
 CERTIFIED

P-COM

P-Com, Inc. — Headquarters
 3175 S. Winchester Blvd. • Campbell, CA 95008
 USA
 TEL 408.866.3666 • FAX 408.866.3655

P-Com, Inc. — United Kingdom
 4 Barnton Bree • Edinburgh EH4 6DG
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 TEL 031.312.8646 • FAX 031.312.8646

P-Com, Inc. — Italy
 via Lecco No. 4 • 20041 Agrate Brianza (MI)
 ITALY
 TEL 039.654509 • FAX 039.650368

M0001 1/94 1M

MECHANICAL

Dimensions	
Outdoor Unit	10" dia., 8" depth (25cm dia., 20cm depth)
Indoor Unit	3.5" x 19" x 10.5" (8.9 x 48.3 x 26.7cm)
Weight	
Outdoor Unit	10 lbs. (4.5 kg)
Indoor Unit	8 lbs. (3.6 kg)
IDU-ODU Interconnection	
No. of Cables	1 coaxial cable
Distance	Up to 1000 ft (300m)
Rec. Cable	Belden 9913 (RG-8) or equivalent
Connector Type	"N" Male

SERVICE CHANNELS

Number of Channels	Three
Capacity (each channel)	64 kb/s
Available Channel Configurations	
Engineering Orderwire	300-3400 Hz
Digital Data Channel	Up to 9600 bit/s
Network Mgmt. System	Customized

User Interfaces	
Engineering Orderwire	RJ-11
Data Channel & NMS	RS-232C, RS-422/423

ANTENNA

Diameter	12" (30 cm)	24" (60 cm)
Gain	38 dBi	44 dBi
Beamwidth	1.6°	0.8°
Polarization	Vertical or Horizontal	
Rad. Pat. Env.	High Performance	
Elevation Adj.	±20°-coarse, ±10°-fine	
Azimuth Adj.	±180°-coarse, ±10°-fine	
Std. Mounting	1.75" - 4.5" O.D. Pole	
Windloading	112 mph - Operational 157 mph - Survival	

FCC DATA

	1 DS1	4 DS1
FCC Identifier	KINTL38S-1T	KINTL38S-4T
Emission Desig.	5M00F7W	20M0F7W
FCC Rules	Parts 21, 94, 15	
Freq. Range	38.6 - 40.0 GHz	
Freq. Tolerance	0.0005%	

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WRITER'S DIRECT NUMBER

(202) 828-1447

S-2171-EX-95

February 21, 1996

VIA FACSIMILE -- (202) 418-1918

Mr. Carl Huie
Office of Engineering and Technology
Federal Communications Commission
2000 M Street, N.W.
Washington, DC 20554

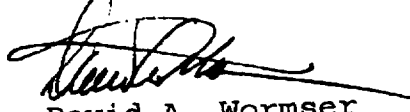
Re: Withdrawal of Request for Special Temporary
Authorization

Dear Mr. Huie:

I am writing on behalf of Omnipoint Corporation ("Omnipoint") to withdraw, at least temporarily, Omnipoint's October 10, 1995 request for Special Temporary Authorization to operate mobile microwave facilities. Omnipoint is in the process of resolving various technical issues associated with the project. The Company will resubmit its request at the appropriate time.

We appreciate your attention to this matter. Please call if you have any questions or if we can supply any additional information.

Sincerely,


David A. Wormser

cc: Lawrence Oby

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FAX INFORMATION SHEET

Date: February 21, 1996

Danyl Number: 32269

Recipient(s): Mr. Carl Huie

Company: Federal Communications Commission

Recipient's General Number:

Recipient's Fax Number(s): 418-1918

Sender: David A. Wormser

Sender's Direct Line: 202-828-1447

Total Pages Including Cover: 2

Comments:

10-11-95
10-31-95
will w/o in 3rd day
if nothing new per
Wormser
more data
radius? boundaries?
freq
specific Tech specs; ens? anten
etc?
Dawl 2-20-96

An original or a copy has ☐ or has not been ☐ sent to you by mail ☐ or by overnight service ☐.**Transmission and Billing Information**

Client/Project Number: 103032

Client/Project Name: ODC

Matter Number: 8

Matter Name:

If transmission is not received, please call: (202) 828-1619

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Operator's Use Only

Machine Telephone Number Used:

Start Time: : am [] pm []

End Time: : am [] pm []

Operator:

FEE PROCESSING FORM

FOR
FCC
USE
ONLY

FCC/MELLON OCT 11 1995

Please read instructions on back of this form before completing it. Section I MUST be completed. If you are applying for concurrent actions which require you to list more than one Fee Type Code, you must also complete Section II. This form must accompany all payments. Only one Fee Processing Form may be submitted per application or filing. Please type or print legibly. All required blocks must be completed or application/filing will be returned without action.

SECTION I

APPLICANT NAME (Last, first, middle initial)

Omnipoint Corporation

MAILING ADDRESS (Line 1) (Maximum 35 characters - refer to Instruction (2) on reverse of form)

1365 Garden of the Gods Road

MAILING ADDRESS (Line 2) (if required) (Maximum 35 characters)

CITY

Colorado Springs

STATE OR COUNTRY (if foreign address)

Colorado

ZIP CODE

80907

CALL SIGN

OTHER FCC IDENTIFIER

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in FCC Fee Filing Guides. Enter in Column (B) the Fee Multiple, if applicable. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number entered in Column (B), if any.

(A)	(B)	(C)	
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(1) E A E		\$ 45.00	

SECTION II

— To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)	(B)	(C)	
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(2)		\$	
(3)		\$	
(4)		\$	
(5)		\$	

ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.

TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING	FOR FCC USE ONLY
\$ 45.00	45.00