

Attn: T. Mitchell, 5555 N. Beach St., Fort Worth, TX 76137-2794

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

K F 2 X G R
(Call Sign)

XD FX & MO
(Class of station)

S-0292-EX-91
(File number)

NAME MOTOROLA, INC

Within 50 mile radius of Fort Worth, TX
(Location of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency MHz	Authorized Power (watts)	Emission Designator
869-928	500 (ERP)	40KOF1D/F8W/F9W
935-941	500 (ERP)	40KOF1D/F8W/F9W
824-883	7 (ERP)	40KOF1D/F8W/F9W
890-902	7 (ERP)	40KOF1D/F8W/F9W

This special temporary authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective September 16, 1991 and
will expire 3:00 A.M. EST. March 16, 1992.

FEDERAL
COMMUNICATIONS
COMMISSION



MOTOROLA INC.

50292-EX91

FAX 817-232
6085

RECEIVED

AUG 12 1991

FCC
FEE SECTION

August 8, 1991

Mr. Frank Wright
Federal Communications Commission
2025 M. Street N.W.
Washington, D.C.

Dear Frank:

I have, under separate cover, applied for a modification to an existing Experimental license to cover this situation. I find it necessary, however, to apply for a Special Temporary Authorization. The STA will allow operation until the license mod. gets approved. As always, our intent is to avoid interference with other users, while still carrying out developmental work. We really need this one as soon as possible, however.

The applicant is Motorola, Inc., 5555 N. Beach Street, Fort Worth, Texas. The purpose of the request is to provide for the conduction of experiments pertaining to the development of products intended for type approval and production of Cellular equipment. The type of operation will be field testing and development. We currently hold an Experimental license for the Beach Street address, but wish to add a remote site (cell) at 2200 South Riverside Dr., Fort Worth.

Hours and dates of operation will be varied, consistent with the nature of testing. The operations will be conducted within a 50 mile radius of the addresses given above.

We are requesting use of a block of frequencies in order to have the ability to move if we find that we are causing problems on any give set of frequencies. Some experiments may be conducted in conventional base-mobile manner. Particulars follow.

869 to 928 MHz and 935 to 941 MHz Land to Mobile operation
824 to 883 MHz and 890 to 902 MHz Mobile to Land operation
Base R.F. power not to exceed 500 Watts ERP and mobile power not to exceed 7 Watts

All transmitting equipment to be Motorola manufactured
Maximum 50 bases, 500 mobiles

Emissions to be 40KOF1D, 40KOF8W, and/or 40kOF9W

Maximum audio modulating frequency in all cases is 7000 Hz

Maximum data signalling speed in all cases is 4800 baud

In all cases, frequency deviation is not to exceed 12 KHz

Overall height of antennas above ground is 36.6 meters



MOTOROLA INC.

I make this application as an authorized employee of Motorola, Inc. and I thank you for your time and effort in helping us along on this.

Sincerely,

Terrence E. Mitchell

Exhibit 3

Existing
tower

Ele. 283.4

Proposed tower

Ele. 37 meters

Existing building

Proposed
building



ENVIRONMENTAL STATEMENT

In Docket 79-144 the Commission categorically excluded regularly licensed land mobile and microwave systems from routine environmental processing concerning radio frequency (RF) radiation. While experimental actions were not categorically excluded, the facilities requested in this application are of a similar nature and should not exceed the ANSI standard used by the Commission for public exposure to RF radiation.

FEDERAL COMMUNICATIONS COMMISSION
FEE PROCESSING FORM

FCC
USE
ONLY

FCC/MELLON AUG 09 1991
~~FCC/MELLON AUG 26 1991~~

08-27-91 8320390 001

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)

Motorola, Inc

MAILING ADDRESS (Line 1) (Maximum 85 characters - refer to Instruction (2) on reverse of form)

5555 N Beach

MAILING ADDRESS (Line 2) (if required) (Maximum 85 characters)

CITY

Fort Worth

STATE OR COUNTRY (if foreign address)

Texas

ZIP CODE

76137

CALL SIGN OR OTHER FCC IDENTIFIER (if applicable)

KF2XBR

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) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(1) <i>E A E</i>	<i>1</i>	\$ <i>35.00</i>	

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) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) 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
\$	<i>35.00</i>