

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-0181-EX-91
(File number)

NAME MOTOROLA, INC

Vicinity of Fort Worth, TX - NL 32 45 00; WL 97 15 55
(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)	40K0F1D/F8W/F9W
935-941	500 (ERP)	40K0F1D/F8W/F9W
824-883	7 (ERP)	40K0F1D/F8W/F9W
890-902	7 (ERP)	40K0F1D/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 May 17, 1991 and
will expire 3:00 A.M. EST. November 17, 1991.

FEDERAL
COMMUNICATIONS
COMMISSION

Mr. Frank Wright
Federal Communications Commission
2025 M. Street N.W.

March 25, 1991

Dear Frank,

I am, under separate cover, applying for an Experimental license to cover this situation. I find it necessary, however, to also apply for a Special Temporary Authorization. The STA will allow operation until the license application gets approved. As always, our intent is to avoid interference with other users, while still carrying out developmental work.

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. This application is for a group of cellular base stations at a remote site, at N. latitude 32 deg. 43 min. 51 sec. and W. longitude 97 deg. 17 min. 0 sec., to be used in conjunction with our main site to communicate with assorted mobiles.

Hours and dates of operation will be varied, consistent with the nature of testing. Mobile operations will be conducted within a 50 mile radius of the address given above. The frequencies, emissions, etc. are in accordance with the Experimental license that we already hold (License KF2XGR, File no.1745-EX-PL-90).

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 given 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 exceed 7 Watts ERP

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 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 not to exceed 45 meters.

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
Terrence E. Mitchell

ENVIRONMENTAL STATEMENT

In Docket No. 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 the application are of a similar nature and should not exceed the ANSI standard used by the Commission for public exposure to RF radiation.

FEE PROCESSING FORM



FCC/MELLON APR 02 1991

04-03-91 8320261 002

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

MAILING ADDRESS (Line 1) (Maximum 86 characters - refer to Instruction (2) on reverse of form)

MAILING ADDRESS (Line 2) (if required) (Maximum 86 characters)

1270 Fairfield Rd

CITY

Gaithersburg

STATE OR COUNTRY (if foreign address)

Po

ZIP CODE

17325

CALL SIGN OR OTHER FCC IDENTIFIER (if applicable)

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

1

\$ 35

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)

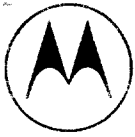
ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.

TOTAL AMOUNT REMITTED
WITH THIS APPLICATION
OR FILING

\$

FOR FCC USE ONLY

35.00



MOTOROLA INC.

April 23, 1991

Mr. Frank Wright
Federal Communications Commission
2025 M Street N.W.
Washington, D.C. 20554

Dear Frank,

I requested an STA in a letter dated March 25. The STA was intended to cover the interim between then and the granting of an Experimental license for the same privileges.

The license application is still forthcoming, but we are unable to use the site that we originally planned to use. Therefore, I am requesting an amendment to the March 25 STA request.

The only change is the location of the site, which will have the co-ordinates 32 deg. 45 min. 00.2 sec. N. and 97 deg. 15 min. 54.7 sec. W. The street address for the site will be 3900 Barnett, Fort Worth.

The change in sites has caused some problems, but events are moving rapidly. We, therefore, expect to need the STA by June 1.

Thank you for bearing with us on this change.

Sincerely,

Terrence E. Mitchell