

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-1019-EX-92
(File number)

NAME MOTOROLA, INC

Vicinity 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
824-851	500 (ERP)	2M00F7W
869-896	500 (ERP)	2M00F7W
1850-2200	500 (ERP)	2M00F7W

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 March 30, 1992 and
will expire 3:00 A.M. EST. August 30, 1992.

FEDERAL
COMMUNICATIONS
COMMISSION

February 26, 1991

Mr. Frank Wright
Federal Communications Commission
2025 M. Street NW
Washington, DC 20554

S-1019-EX-92 ✓
KFZ & BR

Mr. Wright;

The intent of this letter is to apply for a Special Temporary Authorization for radio equipment experiments operating in the following frequency bands and at the power levels indicated:

<u>Frequency</u>	<u>RF Po @ PA</u>	<u>Max ERP</u>
824 MHz - 851 MHz	3 Watts	10W peak ERP
869 MHz - 896 MHz	25 Watts	500W peak ERP
1800 MHz - 2200 MHz	500 Watts	500W peak ERP

We have, separately, applied for an Experimental License to cover this situation. However, the STA will allow operation until the license application is approved.

The applicant is Motorola, Inc., 5555 North Beach Street, Fort Worth, Texas. The purpose of this request is to allow experimentation pertaining to the development of products intended for type approval and production of equipment in the Cellular/PCS market. The type of experimentation will be field testing and development. We are requesting a block of frequencies in order to allow the ability to move if we find that we are causing problems on any given set of frequencies.

The following information is relevant to the STA:

All transmitting equipment to be Motorola manufactured
Emissions to be 2M00F7W
Maximum modulating signal is 1.2288 MHz
Maximum required bandwidth is 2000 kHz
Maximum of 20 fixed units and 100 mobile/portable
Base RF power not to exceed 500 Watts ERP
Overall height of antennas above ground is 45.72 meters.
Please see the accompanying attachment (Exhibit 1) showing the elevation plan for the facility.

Please send the completed STA and any following correspondence to:

Motorola Inc.
5555 North Beach Street
Fort Worth, TX 76137
Attn: Mr. Bryan Cullen
Mailstop 4M

I make this application as an authorized employee of Motorola, Inc. and would like to thank you for time and effort in helping us with this matter.

Sincerely,

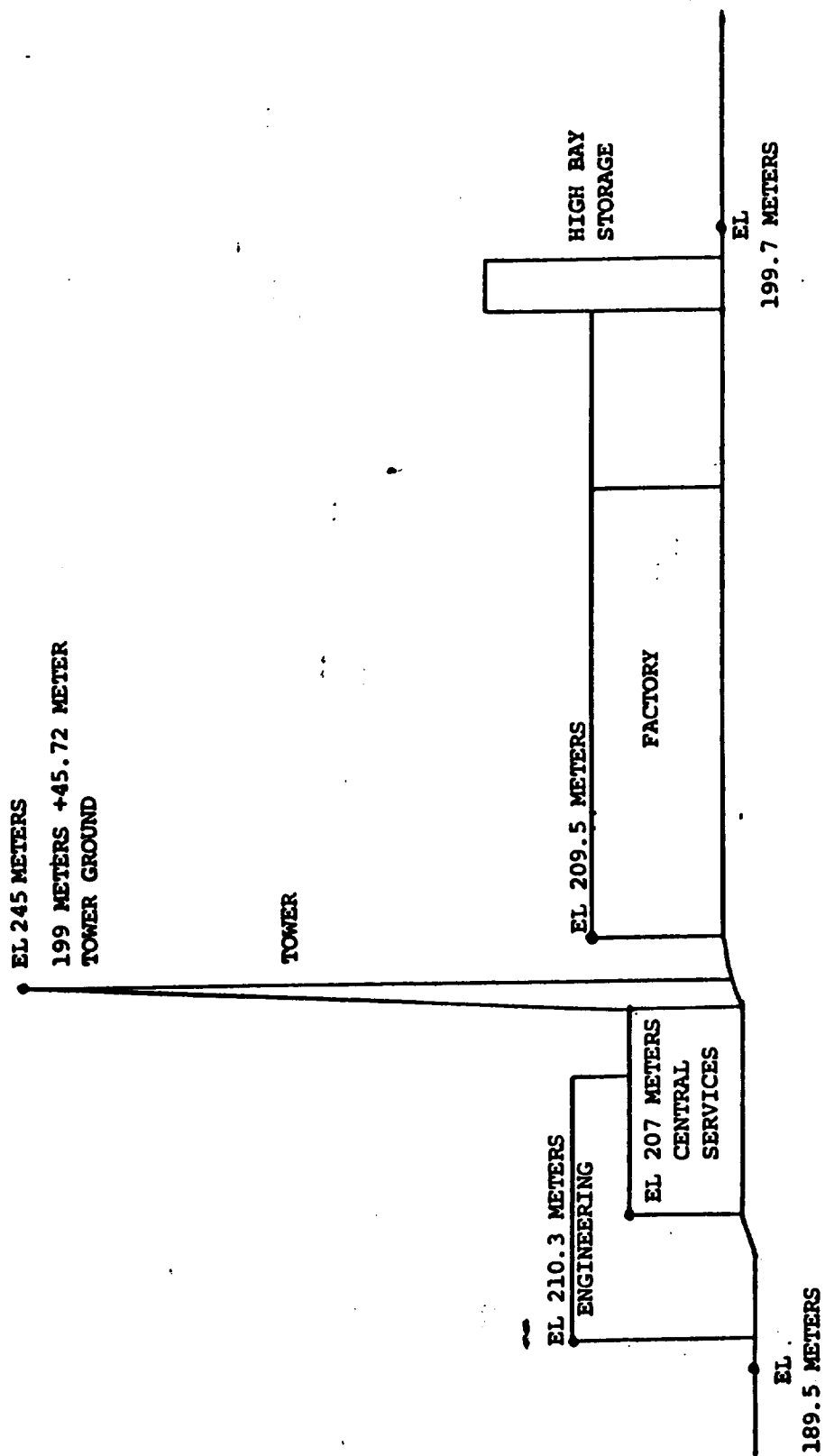
A handwritten signature in cursive script that reads "Kent A. Demel".

Kent A. Demel
Engineering Group Leader

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.

MOTOROLA, INC.
FT. WORTH, TEXAS
COMMUNICATIONS DIVISION PLANT



ELEVATION PLAN (LOOKING EAST)
(MEASUREMENTS ARE ABOVE SEA LEVEL)

FEDERAL COMMUNICATIONS COMMISSION
FEE PROCESSING FORM

FCC/MELLON FEB 28 1992
03-02-92 8320575 004

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 35 characters - refer to Instruction (2) on reverse of form)

5555 N. BEACH ST

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

ATTEN: MR BRYAN CULLEN MAILSTOP 4M

CITY

FT WORTH

STATE OR COUNTRY (if foreign address)

TEXAS

ZIP CODE

76137

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									
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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.

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