

S-1457 EX-94 ✓

March 4, 1994

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

Dear Frank

I have, under separate cover, applied 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 development of more efficient frequency usage through higher speed codes. The type of operation will be field testing and development. We currently hold other Experimental Licenses for this location.

Hours and dates of operation will be varied, consistent with the nature of testing.

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. The particulars follow:

929-931 MHz for fixed transmit operation -- frequency deviation not to exceed 25 kHz
Fixed station power not to exceed 1000 Watts ERP (or lower if HAAT dictates, in accordance to FCC rules [Part 90.494])

Maximum of 10 Bases

Emissions to be 16K0F1D, 20K0F1D, 15K0F2D, 16K0F3E

Maximum audio modulating frequency in all cases to be 7000 Hz

Maximum data signalling speed in all cases is not to exceed 64 kbps

Antenna lengths not to exceed 20' (exact placement shown on exhibits 3,4,5)

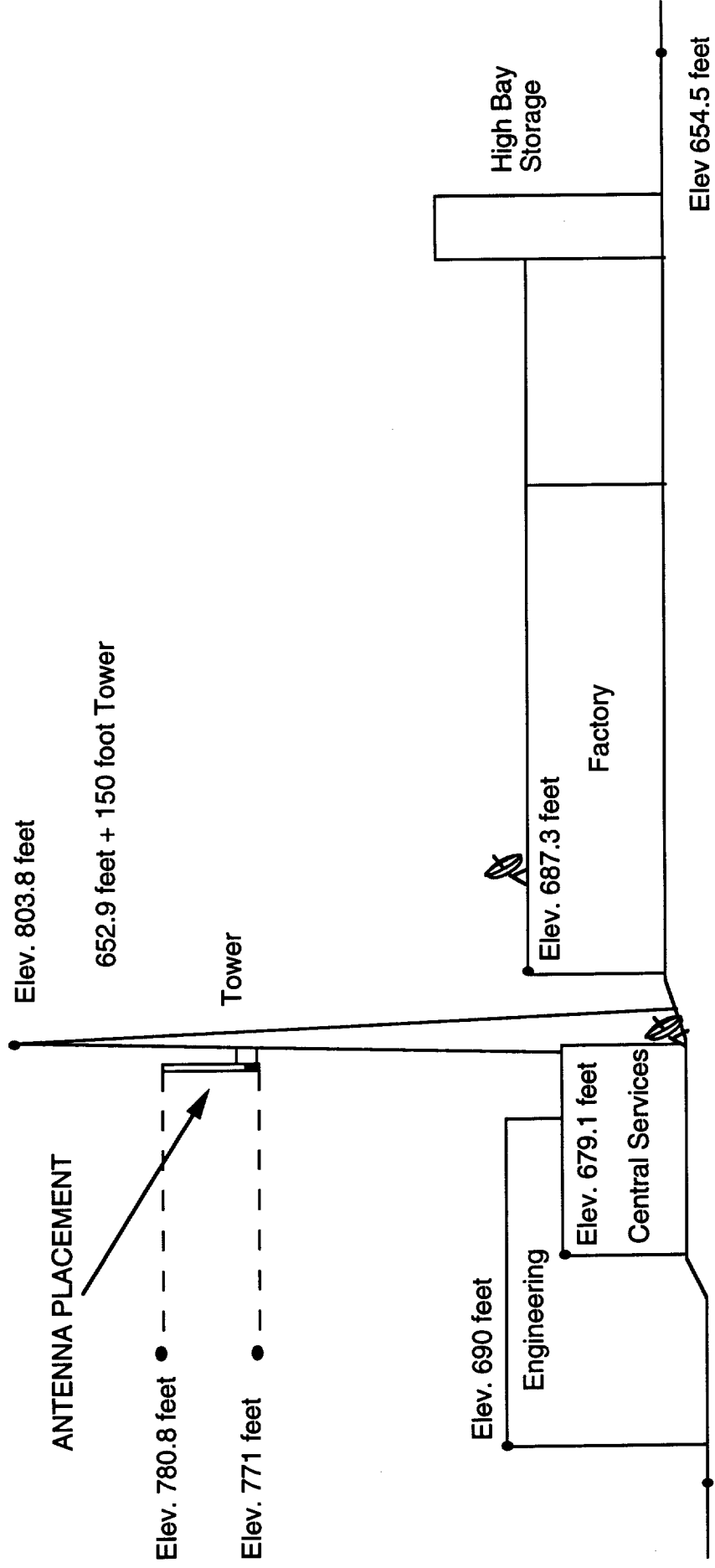
I make this application as an authorized employee of Motorola, Inc. I thank you for your time and effort in helping us along on this.

Sincerely,


Eric Mehofer

Exhibit 1

MOTOROLA, INC.
FT. WORTH, TEXAS
COMMUNICATIONS DIVISION PLANT
Latitude: 32 50 43
Longitude: 97 17 35



***Note: All Structures Are Existing Structures

Elev. 621.7 feet

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

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.