

FCC Application – Experimental Radio Service
Motorola Inc.

EXHIBIT NO. 1

Item No. 7

- (a) This authorization is requested to allow operation a test bed for field-testing of a GSM/EDGE Cellular system. Our proposed system consists of two (2) transmit/receive base stations and up to 25 cellular phones, operating down link from 1805 to 1850 MHz, and uplink from 1710 to 1755 MHz. Our testing will consist mainly of drive testing, using mobile stations to perform hand over plus system tests.
- (b) The objective of our experiment is to verify the operation of a GSM/EDGE Cellular system.
- (c) Our proposed field-testing experiment is a critical phase in the development of GSM/EDGE systems, which will ultimately improve digital cellular communications in Europe for DCS 1800. Also lessons learned on DCS 1800 EDGE can be applied to PCS1900 in the U.S.