

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL
(Nature of Service)

XD FX
(Class of Station)

WB2XCB
(Call Sign)

0037-EX-PL-1999
(File Number)

NAME MOTOROLA INC., SPACE AND SYSTEMS TECHNOLOGY GROUP

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Station Locations

(1) SCOTTSDALE (MARICOPA), AZ - NL 33-30-30; WL 111-50-00

Frequency Information

SCOTTSDALE (MARICOPA), AZ - NL 33-30-30; WL 111-50-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.662-28.35 GHz	FX	12M0D7W	385 mW (ERP)	
29.455-29.492 GHz	FX	1M20D7W	4.8 W (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) To avoid harmful interference to receiving space stations in the Mobile-Satellite Service (MSS) using Non-Geostationary Satellite Orbits (NGSO) in the frequency range 29.1 - 29.5 GHz, sufficient angular separation shall be maintained between the experimental transmitting station and NGSO MSS space stations.

This authorization effective AUG 20, 1999 and
will expire 3:00 A.M. EST OCT 01, 2000

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COMMUNICATIONS
COMMISSION

