

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C.**

In the Matter of

M/A-COM, Inc.)
)
Application to Add Frequencies to an)
Experimental License WC2XZK)

**Supplemental Statement
In Support of Application**

M/A-COM, Inc. (“M/A-COM”) is a major supplier of private land mobile equipment in the United States, particularly to the public safety community. M/A-COM has been working with leaders in the public safety arena, particularly since last September 11th, to develop new communications systems that provide quick and easy interoperability solutions at mobile command and control facilities. Such a system is now being developed. Experimentation and testing of the new protocol is now necessary.

M/A-COM’s new “Network First” system will provide interoperability between multiple protocols through the use of packet switching technology. The system will allow entities that use different over-the-air protocols, from numerous manufacturers, to come to an emergency scene and communicate seamlessly through the M/A-COM equipment. The system is frequency and protocol agile, making it possible, for example, for an APCO 25 protocol radio operating at 700 MHz to communicate with a conventional FM radio operating at 150 MHz.

M/A-COM believes that this technology is a significant step forward in achieving the Commission’s goal of providing interoperability between any number of public safety

agencies during emergencies. We believe that there is nothing else on the market that provides the degree of flexibility of the Network First system.

Because the system can cross-connect agencies and critical infrastructure organizations operating on any of the private land mobile bands, the Demonstration License must permit operation on all bands: 30-50 MHz, 150-174 MHz, 450-512 MHz, 700 MHz, 800 MHz, and 900 MHz. On May 28, 2003 M/A-Com was granted an experimental license, WC2XZK, for the 25-50 MHz, 150-174 MHz, 450-512 MHz, 800 MHz, and 900 MHz bands. The newly allocated 700 MHz and 4.9 GHz frequencies were not included on that license. M/A Com is requesting the addition of these band with this application.

In light of the tragic events of September 11th and the resultant need for increased homeland security measures, M/A-COM believes that it is critical for the public safety community to be able to see real products that meet their interoperability and mobile command post needs. The M/A-COM Network First system is just such a product. The Experimental License, expanded to include the 700 MHz and 4.9 GHz bands, will allow M/A-COM to develop the capabilities of the product, which when deployed, will make public safety agencies far more prepared to meet the communications challenges of emergency events.

For the above reasons, M/A-COM respectfully requests that the Experimental License be modified to add the 700 MHz and 4.9 GHz bands, as submitted

Respectfully requested,

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