

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

In the matter of )  
the Application of )  
SATELLITE CD RADIO, INC. )  
For Authority to Construct, Launch )  
and Operate Space Stations for )  
the Provision of Digital Audio )  
Radio Services )

NOV 17 1992

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File Nos. 49/50-DSS-P/LA-90,  
58/59-DSS-AMEND-90,  
44/45-DSS-AMEND-92,  
RM-7400

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TO: The Commission

COMMENTS OF  
AWARE

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1. Aware, Inc.  
1 Memorial Drive, 4th floor  
Cambridge, MA 02142
2. Aware, Inc. is a mathematical engineering company that designs and sells software and chipset products for bandwidth management. Aware's products organize and compress signals such as images and video, audio and speech, for storage and communications applications.
3. Aware, Inc is commenting and would like to see the development of Digital Audio Radio Services (DARS) because:
  - i) An all-digital radio is compatible with digital channel coding and modulation. It thus provides high audio quality (CD quality), resistance against transmission errors and frequency and power efficiency. DARS will therefore fulfill the

consumer desire for high fidelity radio. An all-digital system will also provide the physical layer for any general service including (in addition to audio) data, text and moving pictures.

- ii) A satellite based system provides coverage to all the continental United States; purely terrestrial systems are not capable of this. Such a system is in the general public interest as it provides all kinds of coverage to all areas (underserved as well as urban). The Satellite CD Radio technical approach to provide this system appears to be of sound engineering practise. The patented receiver structure to maintain audio quality in numerous channel conditions appears to be of sound engineering practise.
- iii) Digital Audio Radio Services would economically benefit the United States as it will create jobs automobile receiver manufacture, receiver installation, satellite construction and launch.