

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

In the Matter of)	
)	
Amendment of the Commission’s Rules)	WT Docket No. 01-90
Regarding Dedicated Short Range)	
Communications in the 5.850-5.925 GHz)	
Band (5.9 GHz Band))	
)	
)	
Amendment of Part 2 and 90 of the)	ET Docket No. 98-95
Commission’s Rules to Allocate the)	RM-9096
5.850-5.925 GHz Band to the Mobile)	
Service for Dedicated Short Range)	
Communications of Intelligent)	
Transportation Services)	

Comments of Sirit Technologies Incorporated

Sirit Technologies Incorporated (“Sirit”) respectfully submits its comments in response to the Commission’s Notice of Proposed Rulemaking and Order (“NPRM”), FCC 02-302, released November 15, 2002 (Notice and Order) in the above referenced docket seeking public comment on how best to utilize the 75MHz in the 5.9 GHz band (5.850-5.925 GHz) for dedicated short range communications (“DSRC”).

Sirit Technologies, Inc. is a major ITS (Intelligent Transportation System) manufacturer based in the U.S with offices in Carrollton, Texas. Our products are sold in the U.S. and throughout the world. We have actively participated in the DSRC standards for many years and are currently participating in the in the development of the 5.850 –

5.925 GHz band allocated to the Dedicated Short Range Communication services in October, 1999.

Sirit believes that public safety and private users can beneficially share the designated band provided there is always a priority of service granted to Public Safety users. The use of Public Safety applications are integral to serving the general populace, but we wish to note that in many cases, private applications also service the public through the safe and efficient use of the nations' surface transportation system, e.g. electronic tolling and automatic electronic vehicle identification used for access control, traffic monitoring, and vehicle or container location services. Furthermore, we believe that the private usage of this bandwidth will not impede upon the Public Safety usage. In fact, the private use of the bandwidth will serve to maximize the usage of the available spectrum, proliferate the network rapidly, and create opportunities for early adopters. In light of current Homeland Security issues, the use of the private sector will likely lead to the creation of additional safety and security services to the general public and private sector alike. Through this expanded use, the cost of the equipment will be reduced with more incentive for manufacturers to enter the market, and citizens will not be the sole bearer of costs associated with just public safety applications.

We also agree with ITS America that the best means by which interoperability can be achieved is through compliance to the ASTM-DSRC standard and the proposed band plan, with one exception. It is Sirit's conviction that the reserved portion of the bandwidth at the lower end (5.850-5.900) currently labeled as "reserved" could be

utilized for public safety applications or private applications that do not adhere to full compliance with the standard, i.e. simple one-way or two-way data transmissions such as vehicle identification and location.

Sirit also feels that the issuance of licenses for Roadside Units (RSU) should be conducted on a “site basis” as opposed to a “geographic area basis”. In general, areas of operations for RSUs are significantly smaller in scope (1000 ft) than traditional radio services, and are specific to a location or perhaps highway ribbon, or intersection. To grant licenses by geographic area without regard for spectrum reuse may preclude other users from providing new or additional services within the same geographic space... It is Sirit’s view that the cost for the spectrum coordination and licensing is justified in insuring interference free operation, maximizing the number of licensees that may be allocated to a location, and the resulting a data base of locations which may be made available either through the FCC or private coordination will provide beneficial information on where and what type of services are available to the radio system.

Sirit Technologies, Inc. is pleased to comment and support these efforts with the goal of achieving a safer and more efficient infrastructure for the citizens of our nation.

Respectfully submitted,

Sirit Technologies, Inc.

By: **/s/ Donald J. Bergeron**

Donald J. Bergeron
Vice President Manufacturing
Sirit Technologies, Inc.
1321 Valwood Parkway
Suite 620
Carrollton, Texas 75006
(972) 243-7208
dbergeron@siritcorp.com