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January 5, 2000

BY HAND

Magalie Roman Salas, Secretary  
Federal Communications Commission  
445 Twelfth Street, S.W. - Suite TW-A325  
Washington, D.C. 20554

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Re: WT Docket No. 99-168  
*Written Ex Parte Presentations*  
Service Rules for the 746-764 and 776-794 MHz Bands,  
And Revisions to Part 27 of the Commission's Rules

Dear Ms. Salas:

FreeSpace Communications (FreeSpace) submits this letter to confirm that it can and will meet the requirements for protecting public safety communications set forth in a letter the Association of Public-Safety Communications Officials International, Inc. (APCO) filed with the Commission on January 4, 2000. These requirements are consistent with FreeSpace's previously proposed interference safeguards. FreeSpace agrees with APCO that these safeguards will provide effective interference protection for public safety communications.

FreeSpace has proposed a set of rigorous public safety interference safeguards in this proceeding that would apply to commercial licensees operating in proposed guard bands adjacent to public safety spectrum. On December 27, 1999, APCO filed a letter with the Commission stating that it "is now satisfied that the FreeSpace proposal would provide effective interference protection" to adjacent-band public safety communications. On January 4, 2000, APCO filed a follow-up letter with the Commission that explains in greater detail the operational requirements that form the basis for its conclusion that FreeSpace's proposal provides effective protection.

FreeSpace fully agrees with, and will abide by, each of these requirements. Indeed, they are consistent with FreeSpace's previous filings in this proceeding regarding its proposed interference safeguards. Specifically, as a licensee of the proposed guard bands, FreeSpace would: (a) operate with an  $87 + 10\text{Log}(P)$  out-of-band emission attenuation level, which it has previously proposed; and (b) comply with frequency coordination procedures that include the following:

- A centralized database identifying the "real time" location (e.g., via GPS) and operating frequencies of all base stations;
- Centralized, dynamic control over frequency use of each base station; and

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- A requirement that, upon notification that a public safety entity has received a license to operate on channels at or near the public safety "band edge," the "guard band" licensee must reconfigure the frequency use at all of its base stations and associated mobiles within that public safety entity's service area to prevent adjacent channel interference. This frequency coordination analysis must assume the "worst case scenario" of a public safety portable unit operating at the maximum distance from its own base station (and thus highly susceptible to out-of-band emissions) but in close physical proximity to the adjacent channel "guard band" base or mobile station.

FreeSpace supports the incorporation of these requirements, as well as the power spectral density limits and other safeguards FreeSpace has previously proposed, into enforceable Commission rules that would apply to guard band commercial licensees. FreeSpace stands ready and willing to assist the Commission and the public safety community in this effort to ensure that licensees of the guard bands design and implement their systems so that they provide real, not simply theoretical, interference protection to current and future public safety operations.

Sincerely,



Ruth M. Milkman

cc: Thomas Sugrue  
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