



May 2, 2005

Mr. Paul Feinberg
Chairman
IBOC Standards Development Working Group

Mr. Michael Bergman
Mr. Milford Smith
Co-Chairmen
DAB Subcommittee

National Radio Systems Committee
c/o National Association of Broadcasters
1771 N Street, N.W.
Washington, D.C. 20036

Gentleman:

On behalf of Impulse Radio, Inc., I am providing this letter with respect to the NRSC's patent policy. The NRSC's procedures call for, in part, adherence to certain patent policies, and "encourage the identification of relevant patents" that are necessary to implement, in this case, NRSC-5.

If it is determined that an element covered by a patent is necessary to implement the standard in question, Section 7.2.5.1 of the NRSC Procedures Manual requires that a patent applicant or holder state on of the following:

- (1) a license shall be made available without charge to applicants desiring to use the patent for the purpose of implanting the standard(s), or
- (2) a license shall be made available to applicants under reasonable terms that are demonstrably free of any unfair discrimination.

Impulse Radio has certain pending patent applications covering various aspects of data services related to an In-Band-On-Channel digital radio transmission system, including an NRSC-5 compliant system. To the extent that a patent application is granted in the future covering an element considered essential to implement any aspect of an NRSC-5 compliant IBOC system, including but not limited to, implementation of ancillary data services, Impulse Radio hereby agrees to offer licenses to those patents, or portions thereof, to applicants under reasonable terms and conditions that are demonstrably free of any unfair discrimination, as required per NRSC guidelines.

If you have any questions with respect to the forgoing, please do not hesitate to contact me.

Regards,

Paul Signorelli
Chief Technology Officer
Impulse Radio