



HD Radio Happenings Abound at NAB2006

As broadcasters around the world pack their suitcases for next week's NAB extravaganza in Las Vegas, our e-mail inbox is bulging with HD Radio related press releases. Here are just some of the opportunities attendees will have to see, hear

and touch the latest in IBOC digital radio applications:

- Day Sequerra will unveil its Market Area Monitor (MAM) concept, a data collection system that offers radio broadcasters a unique set of resources for local, regional and national HD Radio confidence monitoring and competitive analysis. Using a 1RU MAM receiver, operators can record a complete snapshot of any station's HD Radio output including audio SNR, level and time alignment as well as audio program samples, along with a log of HD Radio data. Harris Broadcast Communications Division will have an ongoing MAM demo at its Central Hall location (Booth# C807). Day Sequerra will also demonstrate the system at its booth (N1800).
- Broadcast Electronics will host the first public demonstration of four audio program channels over HD Radio, plus a closed-caption radio service for the hearing impaired. Designed by NPR Labs, it runs on part of the Advanced Application Services data stream. A news/talk main channel along with two HD2 channels of music and yet another HD2 channel of reading services for the visually impaired will broadcast simultaneously on a single HD Radio carrier from BE booth N1808. A separate data channel will illustrate closed captioning of the news/talk program for the hearing impaired.

Representatives from NPR Labs will be available at the booth during exhibit hours.

- Fanfare FM will demonstrate a Receiver/ Translator capable of converting any broadcast FM baseband plus carrier, including HD Radio hybrid signals, from a selected FM input frequency to another on-band FM frequency without the necessity for demodulation. As a result, Fanfare claims that no intellectual property licensing is required for the device. A demonstration of the FP-TRO-1 will be available at the Crown Broadcast booth (#3912)
- Beasley Broadcast-owned Star 102.7 KSTJ-FM Las Vegas will demonstrate HD Radio multicasting technology from its "HD Radio Van" Monday, April 24 in the Silver Lot of the Las Vegas Convention Center. Select tours of the mobile "HD Radio Van" will offer an "insiders-view" of the benefits that HD Radio technology offers listeners as well as radio broadcasters. Tours of the van will be held from 2 p.m. to 6:30 p.m. in the Silver Lot of the Las Vegas Convention Center near the CNN tent.
- Dolby Laboratories and Broadcast Electronics will present a live demonstration of surround sound for HD Radio in the Dolby booth (SU2923). Surround sound will originate from BE's Audiovault digital media system integrated with a DP563 Dolby Pro Logic II surround encoder and pass through a complete HD Radio transmission chain comprised of a BE XPI 10 HD Radio data exporter and FXI 60 digital FM exciter. Dolby Pro Logic II technology provides surround sound capability on any two-channel HD Radio signal without the need for an additional data path, and has been approved by Ibiqity as a surround sound format for the HD Radio system.

And the list even includes one distinctly non-HD Radio IBOC technology. For the first time ever at NAB, Digital Radio Mondiale (DRM) will showcase live international broadcasts on multi-standard DRM-capable consumer radios. These multi-mode tabletop receivers, featuring integrated DRM/DAB/FM/RDS/AM/SW/LW capabilities, will be displayed at the NAB exhibit booths of DRM members Continental Electronics, RIZ-Transmitters and Transaudio Sender Systeme Berlin AG. Several DRM members will transmit special, live DRM broadcasts into Las Vegas during NAB, including Continental Electronics (from Nevada), HCJB (from Ecuador), CVC (from Chile) and Radio Canada International (from Canada). This will enhance the existing line-up of DRM broadcasts into the United States from Deutsche Welle, NASB, Radio Canada