



NEWS RELEASE

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## **Modulation Sciences Tests DRL for Digital IFB**

Modulation Sciences has successfully tested the new 2 GHz DRL (Data Return Link) channels to deliver IFB to field news operations.

DRL or Data Return Link was created in the recent “re-farming” of the 2 GHz BAS (Broadcast Auxiliary Service) band. The DRL allocation is comprised of two 500 kHz bands on the upper and lower edge of the new 2 GHz BAS band. Each 500 kHz DRL band is divided into twenty 25 kHz channels. These channels may be used by anyone licensed for 2 GHz video channels after the new band has been implemented in their market.

The FCC granted Modulation Sciences (MSI) an experimental license to test DRL from its plant in central New Jersey. Since the New York market is still operating on 2 GHz under the old band plan, careful coordination was required to avoid interference with ongoing ENG operations.

Transmission was from a directional antenna mounted on the roof of MSI's building located in Somerset, New Jersey to small portable receivers. The receivers were belt worn or handheld while being moved around the surrounding area. Coverage was limited by the low height of the transmit antenna – one hundred feet AMSL (above mean sea level). However, propagation studies indicate that with locations more typical of ENG support sites (much greater antenna height), coverage should exceed that of ENG video operations.

MSI is working with several broadcasters in planning operational testing of DRL with transmission from suitably elevated sites.

With a combination of 40 channels per market and directional transmit antennas, DRL offers many new options for IFB (Interruptible Fold Back). After the analog shutdown, DRL will play an essential role in maintaining reliable IFB.

*For more information please call 800-826-2603 or visit our web site at [www.modsci.com](http://www.modsci.com)*