

The 7GHz Truck-Coder II is designed for Broadcast Auxiliary Services (BAS) application. The product is used to transmit visual program material between the remote pickup station (at the news event) and the television studio. According to FCC Part 74.631, among the various applications in the BAS category, the closest that the product fits in is: **TV Intercity Relay Station**. The attached pdf file illustrates the application of the 7GHz Truck-Coder II in the TV relay station with more details. According to the drawing, the news television signal is picked up by the local TV camera and is sent to the ENG truck by the 2GHz portable BAS transmitter (Cary-Coder II). Once the signal is picked up by the rooftop receiving antenna, it will be directed to the 7GHz Truck-Coder II indoor unit where it is downconverted to the 70MHz IF signal. The IF signal will then be fed to the 7GHz Truck-Coder II outdoor unit (located on the roof-top mast). The outdoor unit will upconvert the IF into the 7GHz signal which will be transmitted to the TV studio.