

Quadrature Amplitude Modulation (“QAM”) will be utilized by Educational Broadcasting Corporation for downstream transmissions as part of the proposed system tests. Upstream transmissions will employ Quadrature Phase Shift Keyed (“QPSK”) modulation and Quadrature Amplitude Modulation. The modulation density for experimental upstream and downstream transmissions will not exceed 64 QAM.

Time division duplex (“TDD”) is utilized to share one frequency for upstream and downstream transmissions between the base station and remote transponders. Upstream transmissions are controlled by the protocol between the base station and the remote unit. These remote units will not transmit without first receiving the base station’s control signal.