

 OUTLINE

 * Left-Handed Metamaterial (LHM) Approaches

 * Composite Right/Left-Handed (CRLH) Transmission Line (TL)

 * Leaky-Wave Antenna Application

 * Principle of Electronically-Controlled CRLH TL

 * Electronically-Scanned Leaky-Wave Antenna Application

 * Radiation Angle Controlling & Beamwidth Tuning Capability

 * Nonlinear effects of Varactors

 * Conclusions









