The UC-250-ATSC-T Modulator is an ATSC 8-VSB modulator/exciter compatible with A/53 Digital Television Standard modulation for terrestrial HDTV broadcasting and will handle HDTV and SDTV broadcasting.

The unit accepts either SMPTE-310M or ASI signals as its input and modulates it into an 8-VSB RF signal between the frequency range of 40 to 960 MHz covering the full range of VHF and UHF bands. This Modulator is capable of linear and non-linear digital pre-distortion (DPD) and can be used as DTV broadcast modulator or head end of an RF distribution network.