

UC-250-ATSC-T

ATSC-T MODULATOR



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.

ADVANTAGES

- Front panel and remote configuration
- Easy Operation & Deployment
- Very Cost Effective

APPLICATIONS

- UHF Broadcasting
- VHF Broadcasting
- HDTV and SDTV
- Direct-to-Home
- Production Testing

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.

SPECIFICATIONS

Data Interfaces	
ASI Inputs	BNC Connector - 75Ω Impedance EN 500083 ASI ATSC SPMTE-310M standard Max bit rate: 19.38Mbps
RF outputs	
Output Impedance	50Ω, type N
Output Frequency Range	40MHz-960MHz, 1Hz steps
Output Level	-26dbm to +3dbm, 0.1db steps
MER	≥ 42db
Network Management	RJ45 Ethernet Interface
Display	2 Line backlit LCD
Control	Front Panel or M&C Software
Altitude	Up to 10,000ft
Operating Temperature	0° to +45°C
Storage Temperature	-25° to +55°C
Humidity	10 to 75%
Shock and Vibration	Equal to mobile van or stationary rack
AC Power	90VAC to 265VAC 50/60Hz
Power Consumption	25W
Dimensions	19"W 2"H 13"D
Weight	9lbs

KEY FEATURES

- ATSC A/53 8-VSB COMPLIANT
- DVB-ASI INPUTS
- SMPTE-310M INPUTS
- 6MHz CHANNEL BANDWIDTH
- 40 TO 960 MHz WITH 1MHz STEPS
- TRELIS CONSTELLATION CODING: 8-VSB
- EXTERNAL 10MHz REFERENCE INPUT
- RS CODING
- DATA FIELD INTERLEAVER
- PILOT INSERTION
- FRONT PANEL OPERATION & NMS
- TWO YEAR FACTORY WARRANTY

UPCOM Technologies, Inc.

Phone: +1 (408) 329-4158

Fax: +1 (408) 329-4159

E-mail: sales@upcom.com

www.upcom.com