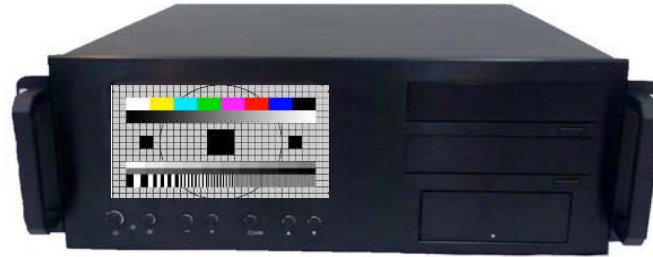


## DTV All-in-one RF Signal Generator DTV-550A



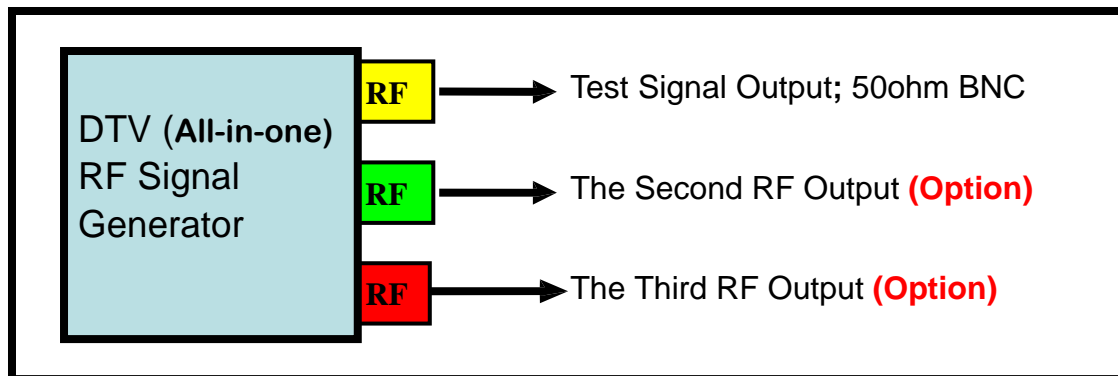
### Overview

**DTV-550A** is the low cost and high performance for **DTV** RF Signal Generator .The RF Output Covering full **VHF** and **UHF** band and have **L-Band** Upconverter Output for RF Signal. The All-in-one RF Signal Generator supports **Multi-standard modulation** RF Signal output in one unit can play TS stream from hard disk into DTV on-air/cable RF signal. ( **MER > 36 dB** )

**DTV-550A** has friendly windows GUI and Touch Panel can add new Transport Stream by USB or DVD-ROM .It can provider clear RF Test signal for DTV receiver Design, Set-top Box /LCD TV /DTV/ TV Card /DTV Module Manufacturing and QC Verification.

### Features

- Low cost and high performance
- Multi-Standard Modulation
  - DVB-T/H (OFDM) Modulation ; DVB-S/S2 Modulation ( L-Band RF Output )
  - ATSC ( 8VSB / 16VSB) Modulation ; Open Cable (QAM-B) Modulation
  - DVB-C (QAM-A) Modulation / DVB-C2 Modulation (Option )
  - DMB-T/H (DTMB) Modulation / ISDB-T Modulation (Support 1 Segment Mobile Broadcasting)
  - DVB-T2 ( Single PLP) & DVB-T2 ( Multi PLP ) Option**
- Network Remote control
- Has friendly windows GUI & Touch Panel
- Output amplifier with programmable **0 ~ -40dBm** attenuator in .0.5dB steps



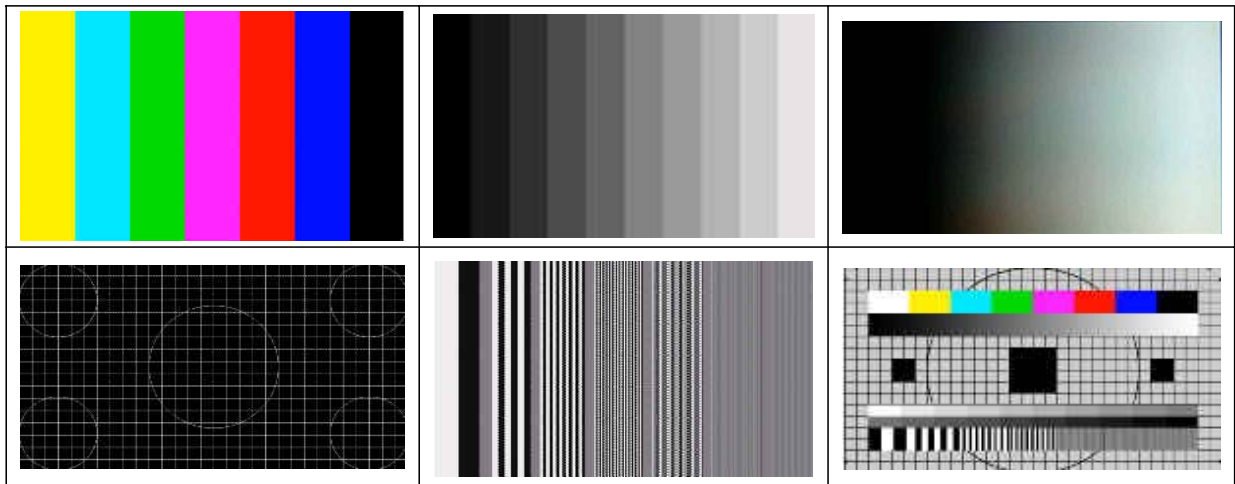
## Specification

<b>DVB-T/H Modulation</b>		<b>ATSC Modulation</b>	
-Standard : ETSI EN300744 v1-4-1 -RF Output : 47~862 MHz -Bandwidth : 5/6/7/8 MHz mode -Constellation : QPSK, 16-QAM, 64-QAM -IFFT : 2K,4K ,8K -Guard Interval : 1/4, 1/8, 1/16, 1/32 -Coding Rate : 1/2, 2/3, 3/4, 5/6, 7/8		-Standard : ATSC A.53 -RF Output : 47~862 MHz -Modulation : 8VSB / 16VSB	
<b>DVB-C Modulation</b>		<b>Open-Cable Modulation</b>	
-Standard : ITU-T J.83 Annex A/C -RF Output : 47~862 MHz -Modulation Modes : 4 ,16 , 32, 64, 128 and 256QAM		-Standard : ITU-T J.83 Annex B -RF Output : 47~862 MHz -Modulation Modes : 64 and 256QAM	
<b>ISDB-T Modulation</b>			
-Standard : ARIB STD-B31 -RF Output : 47~862 MHz -Constellation : DQPSK, QPSK ,16-QAM, 64-QAM -Guard Interval : 1/4, 1/8, 1/16, 1/32 -Coding Rate : 1/2, 2/3, 3/4, 5/6, 7/8		-Mode : Mode1 , Mode 2 , Mode 3 -Number of Segments : 13 -Broadcast type: TV13 , 1-seg , 3-seg -Time Interleave Length : l = 0 ,1 ,2 , 4 <b>Support TMCC</b> <b>Support 1 Segment Mobile Broadcasting</b>	
<b>DTMB (DMB-T/H) Modulation</b>			
-Standard : GB 20600-2006 <span style="color: #4F81BD;">(Both Support DTMB &amp; ADTB-T)</span> -RF Output : 47~862 MHz -Bandwidth : 5/6/7/8 MHz mode -Constellation : 4-QAM, 4-QAM+NR , 16-QAM 32-QAM , 64-QAM -Frame Structure : 1: PN420, 2: PN595, 3: PN945 -Carrier Mode : Single Carrier C=1, Multi Carrier C=3780 -FEC Code Rate : 0.4: FEC(7488,3008), 0.6: FEC(7488,4512), 0.8: FEC(7488,6016)			
<b>DVB-S/S2 Modulation</b>			
-Standard : ETS 302 307 compatible -RF Output : 950 ... 2150 MHz -Modulation modes : QPSK, 8PSK - Symbol rate : 1~45 MHz - Codes rates : 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5,5/6, 8/9, and 9/10			

## TS Analyzer Function :

- MPEG-2 transport streams Decoding and Analysys
- Decodes MPEG-2 tables with DVB & ATSC extensions
- EPG Grid View
- PMT Tree View
- MPEG Video Bit-rate and Resolution Analysys

Include TV Test Pattern : Color Bar , Ire Bar , 256 Gray Scale , Multi Burst ....



Recorded Function Test Pattern : CC ; V-chip ; EPG ; Subtitle... (Free Upgrade)

## 【Ordering Information 】

Item	Description
Monitor Option	Built in LCD Touch Panel
DVB-T2 Option (Single PLP )	DVB-T2 Modulation ( Single PLP ) ETSI EN302 755 compliant
DVB-T2 Option (Multi PLP )	DVB-T2 Modulation ( Multi PLP ) include Nordig Test Function
DVB-C2 Option	DVB-C2 Modulation ( EN302 769)
TS Test File Option	Record TS Tset File ( 1T Capacity )
Second RF Module	Second RF Output ( Max 3 RF Output)