

DTV All-in-one RF Signal Generator SDG-3600M

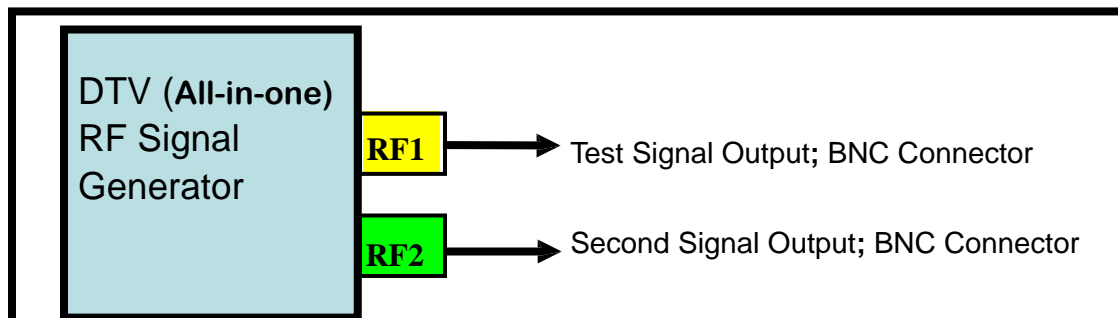


Overview

SDG-3600M is the low cost and high performance for **DTV** RF Signal Generator .The RF Output Covering full **VHF** and **UHF** band and has the second RF Output for Co-channel interference & Adjacent channel interference testing. The All-in-one RF Signal Generator support **Multi-standard modulation** RF Signal output in one unit can play **MPEG/H.264** stream from hard disk into DTV on-air/cable RF signal.**SDG-3600M** has friendly windows GUI and Touch Panel can add new Transport Stream by USB or DVB-ASI input .It can provider clear RF Test signal for DTV receiver Design, Set-top Box /LCD TV / TV Card /DTV Module Manufacturing and QC Verification.

Features

- Low cost and high performance
- Multi-Standard Modulation
 - DVB-T/H (OFDM) / **DVB-T2** Modulation
 - ATSC (8VSB) / **ATSC-MH** Modulation
 - DVB-C/**C2** ; Open Cable (QAM-A/B/C)
 - Modulation DVB-S/S2 Modulation (L-Band RF Output)
 - DMB-T/H (DTMB) / CMMB / T-DMB Modulation
 - ISDB-T Modulation (Support 1 Segment Mobile Broadcasting)
 - ISDB-S (BS/CS) Modulation
- Network Remote control
- Has friendly windows GUI & Touch Panel
- Programmable range 31.5 dBm attenuator in 0.1 dB steps



Specification

DVB-T/H Modulation	ATSC Modulation
-Standard : ETSI EN300744 v1-4-1 -RF Output : 55~956 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 : 55~956 MHz -Modulation : 8VSB / 16VSB
DVB-C Modulation	Open-Cable Modulation
-Standard : ITU-T J.83 Annex A/C -RF Output : 55~956 MHz -Modulation Modes : 4, 16, 32, 64, 128 and 256QAM	-Standard : ITU-T J.83 Annex B -RF Output : 55~956 MHz -Modulation Modes : 64 and 256QAM
ISDB-T Modulation (Option)	
-Standard : ARIB STD-B31 -RF Output : 55~956 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 Support TMCC Support 1 Segment Mobile Broadcasting
DTMB (DMB-T/H) Modulation (Option)	
-Standard : GB 20600-2006 (Both Support DTMB & ADTB-T) -RF Output : 55~956 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)	
DVB-S/S2 Modulation (Option)	
-Standard : ETS 302 307 -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	

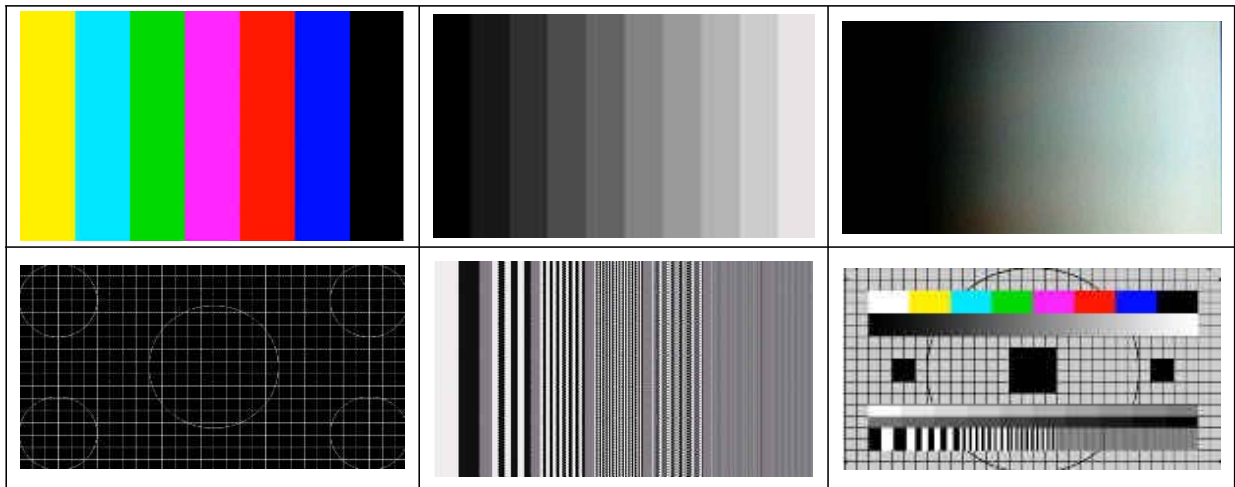
Specification

DVB-T2 Modulation (Option)
-Standard : ETSI EN302 755 compliant -RF Output : 55~956 MHz -FFT Size :1K, 2K, 4K, 8K(Normal and extended) -Guard Interval : 1/4, 1/8, 1/16, 1/32, 1/128, 19/128, 19/256 -L1 Modulation : BPSK, QPSK, 16QAM, 64QAM -Pilot Pattern : PP1, PP2, PP3, PP4, PP5, PP6, PP7, PP8 -PLP Code Rate : 1/2, 3/5, 2/3, 3/4, 4/5, 5/6 -PLP Modulation : QPSK, 16QAM, 64QAM, 256QAM
CMMB Modulation (Option)
-Standard : GY/T 220.1-2006 -RF Output : 55~956 MHz -Bandwidth : 8 MHz -Constellation : QPSK , BPSK , 16QAM
ATSC-MH (Option)
-Standard : ATSC A/153 Part2 -RF Output : 55~956 MHz
T-DMB (Option)
-Standard : ETS 300401, ETS 300799 -Transmission Mode : DAB transmission modes I, II, III, IV
ISDB-S (Option)
-Standard : ARIB STD-820 v3 -Modulation: TC8PSK, QPSK, 8PSK -Code Rate: 1/2, 2/3, 3/4, 5/6, 7/8
DVB-C2 (Option)
-Standard : ETSI EN302 769 -Modulation: 16QAM, 64QAM, 256QAM, 1024QAM,4096QAM -Code Rate: 2/3, 3/4, 4/5, 5/6, 8/9, 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
DMS-1 Option	DTMB/DVB-C2/ISDB-T Modulation
DMS-2 Option	DVB-T2/CMMB/ATSC-MH/T-DMB Modulation
DSS Option	DVB-S/S2 ; ISDB-S Modulation (L Band RF Output)
Second RF Module	Second RF Output