



Brazilian SBTVD-T and Japanese ISDB-T Signal Generator Preliminary Specification

The LG3802S1-1 BR SBTVD-T/ISDB-T Signal Generator with the OFDM capability conforms to Integrated Services Digital Broadcasting-Terrestrial (ISDB-T) standards for digital terrestrial TV system in Japan and Brazil. This instrument features a channel coding/modulation, C/N generator, and up converter in a single package.

Consequently, the modulated signal covering VHF and UHF channels can be output. Since a pseudo random signal source (PN) and BER counter are provided, the BER measurement of a TV set and tuner can be performed with this model only. In addition to the internal TS signal, the MPEG2-TS and H.264/MPEG-4 AVC TS can be externally applied. Therefore, the receiver can be checked visually and acoustically by using the existing TS. With such versatile capabilities, overall functions of the reception system can be tested.

FEATURES

- **All-In-One**

This instrument consists of modulator, channel coder, up converter and noise generator in one single unit. It outputs MPEG-2 and H.264/MPEG-4 AVC moving picture, and still patterns are used to visually check the quality of the digital TV sets, set-top-boxes and digital tuner. The LG3802S1-1 BR unit is an integrated mini broadcast station. In addition to the digital terrestrial TV broadcasting, this instrument can also be used for 1 segment cell phone and the connected segment transmission of 1, 3, and 8 segments in digital terrestrial audio broadcasting.

- **Arbitrary Transmission Parameter Settings**

Each layer modulation and transmission parameters can be arbitrary set via the front panel controls. The QVGA LCD graphically displays the setting conditions.

- **MPEG-2 and H.264/MPEG-4 AVC TS Encoding/Modulation In Real time**

The MPEG-2 or H.264/MPEG-4 AVC TS applied from the DVB-ASI or DVBSPI connector can be modulated in real time. In addition to the MPEG-2 and H.264/MPEG-4 AVC TS, broadcasting TS prescribed in the ARIB standards can also be used.

- **100 Preset Conditions**

Up to 100 preset conditions can be stored in the memory. Since the stored contents can be categorized into 10 groups, the preset mode is convenient for inspection applications.

OPTIONS

- **OP71 Moving Picture Option**

By installing a HDD with USB connector, a stream including HDTV content (i.e., requires large storage area) and long-time TS can be played back from the HDD.

- **OP72 Fading Option**

The fading noise can be added to a mobile and portable receiver to check the multipath interferences.

***Preliminary specification is subject to change without notice.**