

ISDB-Tmm/Tsb Signal Generator

NEW

3549B

General

This device is a signal generator corresponding to ISDB-Tmm of multimedia broadcast system for portable devices, ISDB-T and ISDB-Tsb of the terrestrial digital broadcast-system in Japan.

This device consists of an internal TS generator, an internal modulator, an internal RF converter and an internal noise generator, so that this device can be used for development and production of receivers. In addition, this device equips a re-multiplexing function, so that this device can reproduce MPEG2 TS from the internal HDD and can be supplied TS from external devices.

This device generates a 33 segment ISDB-Tmm signal consisting of type-A super segments and type-B super segments. In addition, this device corresponds to coupled/mixed TS defined in ARIB STD-B46 and can modulate all 33 segments.



Dimensions: 350 (W) x 150 (H) x 440 (D) mm

(Excluding projections)

Weight: Less than 14 kg

Power Source: AC90V to AC264V [50Hz/60Hz]

(Allowable range of input voltage)

Feature

1. This device can generate an ISDB-Tmm signal corresponding to ARIB STD-B46, an ISDB-T signal
2. This device corresponds to the coupled/mixed TS defined in ARIB STD-B46.
3. This device corresponds to the broadcast TS in ISDB-T/Tsb format.
4. This device equips the re-multiplexing function, so that MPEG2 TS can be used.
5. This device can send out a 33 segment band signal like actual broadcasting, so that no setting of the frequency, sub-channel and so on is needed when plural segments are tested.
6. This device equips the internal TS generator, the internal modulator and the internal RF converter. Portable size is realized.
7. This device equips a seven-inch wide VGA touch panel and supplies excellent operability by the combination of the touch panel, operation keys and a rotary knob.
8. This device equips an internal 250-Gbyte HDD for the TS generator and can generate up to two routes of TS. In addition, this device can be supplied TS (ASI x two routes) by external devices.
9. The output RF frequency covers 30 MHz to 1000 MHz (0.1 Hz step). (The default value is 214.7142857 MHz.)
10. The output RF level covers -120 dBm to +13 dBm (0.01 dB step).
11. The noise (AWGN) can be added. (C/N range: -10 dB to +40 dB/ 0.01 dB step)
12. 10-MHz signal supplied from the external device can be used for the operation of this device.
13. Through Ethernet connection, this device can be controlled remotely by the command format.
14. When using the option, this device can be controlled remotely by the command format through GP-IB connection.
15. This device can equip a fading simulator unit and BER counter unit as option.

Example of Segment Configuration

