

ISDB-T Standards

Receiver

While most of all the technical parameters related to receivers shall be in accordance with ABNT NBR15604, there are some modifications required. The main points to be modified are shown here-below. See Annex 6 for the details.

- In order to adopt the BML for data broadcasting, some items that are based on Ginga such as the remote control key and the demodulator for data broadcasting shall be modified.
- As the analog video format of the Philippines is of NTSC-M, those items of PAL-M format shall be replaced to NTSC-M.
- As for the RF INPUT-TERMINAL of the receivers for the Philippines, it is enough that the interface with the F-type terminal (IEC 61169-24) can be finally established. So, bundled adaptor for "F" type terminal is also acceptable.
- The priority parameters of the receiver unit of Annex A are described as the operational guidelines, thus it should be subject to ISDB-T Harmonization Document PART 1: Hardware.
- Since there is no detailed specification of "Accessibility resources (Audio locution)" in ABNT, it is preferable to remove it.
- Since "Accessibility resources (LIBRAS window)" is a specification unique only to Brazil, it is desirable to remove it.
- Annex B is the information related to GINGA; and it is not necessary to keep it.
- Silicon-Tuner is mostly adopted in the recent TV-Front-End products, making outputs of Low-IF below 10MHz. Thus Low-IF below 10MHz shall also be acceptable. Accordingly, with respect to the frequency conversion, either upper or lower heterodyne conversion shall be acceptable as long as there is no side-effect.
- There is the "PNS IEC 60065:2007" as the Philippine original safety standards, and thus the safety standards shall be in reference to it.

Annex 6 Receiver

The details of the modifications from ABNT NBR 15604 are shown in Table A6-1.

Table A6-1 Modifications from ABNT NBR 15604

	Page	Original	Modified
5.2 Figure 2: Basic	8	PAL-M	NTSC-M