Content

Title：	Particular Criteria Governing Designated Testing Laboratories for Digital Terrestrial Television Receiver Ch
Date：	2021.08.17
Legislative：	1.Adopted and promulgated by the Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs on 10 November 2005. 2.Amended by the Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs on 17 August 2021.
Content：	1. In order to recognize and manage designated testing laboratories that conduct Digital Terrestrial Television Receiver tests, these Criteria are established to ensure the competence of designated testing laboratories. 2. These Criteria apply to designated testing laboratories that conduct tests of Digital Terrestrial Television Receiver subject to inspection. 3. The assessment of designated testing laboratories shall be performed in accordance with the requirements of CNS 17025 or ISO/IEC 17025. Where these Criteria set out special requirements, the assessment shall also be performed in accordance with these Criteria. 4. A designated testing laboratory shall designate a senior technical staff or personnel responsible for ensuring technical effectiveness or higher to act as the report signatory. The report signatory shall have the right and responsibility for supervision of the test reports that he approves and other related operations. 5. A designated testing laboratory shall have appropriate protection facilities to ensure the safety of the testing personnel. 6. A designated testing laboratory shall have the required testing equipment to conduct tests according to the inspection standards or technical criteria for the specific testing category. (see Attachment) 7. Test records shall be retained for at least 8 years. The original test records shall be recorded in a manner that the content is not easy to be altered. Any changes or modifications made to the test records shall be conformed through an appropriate procedure. 8. A test report shall completely reflect the requirements of the inspection standards or technical criteria against which the test is performed. The contents of the test report and its attachments shall further include the following items: (1)Names and numbers that identify the testing equipment used in the tests; (2) Chinese user instructions (For HDTV, the product shall be marked the correct label according to the relevant regulations and manufactures shall list the horizontal and vertical resolution of the monitor in detail (Ex:1280×720 or 1920×1080 etc.) (3)Circuit block diagram; (4)The serial number and the manufacture’s name of the MPEG decoding IC。 (5)Color photographs (4″×6″or larger) of product appearance; (6)Other documents that are required for the tests. 9. A designated testing laboratory shall be capable of performing the complete testing work by itself. Without a written approval by the BSMI, it can not perform testing at other sites or subcontract the whole or a part of the testing work to other testing laboratories.

Attachment:
Basic Requirements for Designated Testing Laboratories for Digital Terrestrial Television Receiver
(一)CNS 14409 Testing Categories
1.AM/FM signal generator ◦
2.Pulse Modulation signal generator◦
3.Power meter◦
4.Audio analyzer◦
5.Digital TV transmitter for DVB standard◦
6.MPEG2 baseband generator for DVB standards (SDTV)◦
7.MPEG4 baseband generator for DVB standards (HDTV)◦
8.IEC 61000-4-3 test system (SG + Amplifier + Tx antenna + Power sensor) ◦
9.IEC 61000-4-4 EFT generator◦
10.IEC 61000-4-5 Surge generator◦
(二)Other performance Testing Categories
1.Digital TV transmitter for DVB standards (It can be the same as CNS 14409) ◦
2.2 channel MPEG2 baseband generator for DVB standards (SDTV) (It can be the same as CNS 14409) ◦
3.2 channel MPEG4 baseband generator for DVB standards (HDTV) (It can be the same as CNS
14409) ◦
4. Power meter (It can be the same as CNS 14409) ◦
5.White gaussian noise generator◦
6.Multipath fading simulator◦
7.Impulse interference generator◦

Data Source：Ministry of Economic Affairs R.O.C.(Taiwan) Laws and Regulations Retrieving System