American Certification Body, Inc.

News Letter

1. ISED发布重要的有关RSS-195技术标准信息。

Please be notified that ISED has released a Notice (2022-CEB001) providing additional information relating to technical standards as described in Guidance on Radio Standards Specification RSS-195 — Wireless Communication Service (WCS) Equipment Operating in the Bands 2305-2320 MHz and 2345-2360 MHz. Issue 2 of this guidance can be found at the following links:

English:

https://ised-isde.canada.ca/site/certification-engineering-bureau/en/node/112

French:

https://ised-isde.canada.ca/site/bureau-homologation-services-techniques/fr/node/112

2. ISED发布标准RSS-236 issue 2的更新。

This is to advise you that Innovation, Science and Economic Development Canada (ISED) has updated and published the following document:

Radio Standards Specification RSS-236, Issue 2, General Radio Service Equipment Operating in the Band 26.960 MHz to 27.410 MHz (Citizens Band) which sets out the certification requirements of radio apparatus that is used for the general radio service, also known as the citizens band (CB), operating in the 26.960-27.410 MHz frequency band.

3. 近期FCC KDB的更新。

Publication Number	Question	Answer
285076	What are the equipment authorization requirements for hearing aid compatibility of mobile handsets?	The following documents provide guidance on the equipment authorization of RF devices subject to the Hearing Aid Compatibility (HAC) rules: 285076 D01 HAC Guidance v06r02 provides equipment authorization guidance for mobile handsets subject to t...
388624	What devices require FCC guidance prior to a TCB issuing a grant of equipment authorization, and what are the procedures to obtain this guidance?	The attached documents provide guidance on the Pre-Approval Guidance (PAG) procedures (Section 2.964) formerly known as the Permit But Ask (PBA) procedure. Attachment 388624 D02 Pre-Approval Guidance List v18r01 provides a list of the RF devices that ...

4. 对于具有占空比的产品，比如Zigbee的设备，平均测量的测量方法是什么？

Question: What measurement methods are available for making average measurements on devices with protocol-limited duty cycles such as ZigBee devices (DTS devices certified under Section 15.247)?

Answer: Several measurement methods are available for making average measurements for radiated and antenna-port conducted spurious emissions provided that: (i) the spurious emissions fall in restricted bands, (ii) emission are temporally related to the fundamental, (iii) the maximum duty cycle used in determining the reduction factor is hardwired such that under no condition can it be changed or modified by either the device or end user, (iv) a documented justification for use of Section 15.35 (c) including the measurements used to determine the worst-case duty cycle must be included in the test report, and (v) the duty cycle correction factor is the worst case operational duty cycle based on the maximum transmission time in any 100 msec period. If the above criteria are satisfied, one of the following measurement techniques may be used:

a) Applying a duty cycle correction to the Peak measurement – First, a Peak measurement is made using the Peak detector function of a spectrum analyzer. The spectrum analyzer settings should be such that it meets the requirements of 11.12.2.4 in ANSI C63.10 for making a Peak measurement. Then the operational duty cycle of the EUT may be subtracted from the Peak reading to derive the RMS average value. If the EUT supports more than one operational duty cycle the worst-case value should be used, *i.e.*, the highest operational duty cycle.

b) Taking a RMS average measurement while the EUT is transmitting in operational duty cycle – The RMS average detector of a spectrum analyzer can be used for making average measurements with the EUT operating on its operational duty cycle. If the EUT supports more than one operational duty cycle the worst-case value should be used, *i.e.,* the highest operational duty cycle. The measured RMS value using this method is compared against the limits and no other corrections are permitted.

   The spectrum analyzer settings shall meet the requirements of ANSI C63.10 for making Average measurements. This measurement refers to spectrum analyzer settings in either 11.12.2.5.2 or 11.12.2.5.3 in ANSI C63.10; except when using 11.12.2.5.2, set Trace mode = Max Hold and the measurement correction factor in 11.12.2.5.2 i) is not added.

c) Taking a RMS average measurement while EUT is transmitting continuously, *i.e.*, greater than 98%, and correcting for operational duty cycle – When greater than 98% duty cycle is achieved for testing purposes, applying average measurement techniques (*e.g.*, average detector / reduced VBW) then adjusting for the protocol limited duty factor to determine the average emission is acceptable. If the EUT supports more than one operational duty cycle the worst-case value should be used, *i.e.,* the highest operational duty cycle. This measurement refers to spectrum analyzer settings 11.12.2.5.1 (Trace averaging with continuous EUT transmission at full power) in ANSI C63.10.