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Spectrum Management and Telecommunications

Radio Standards Specification

Digital Scanner Receivers

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Canada

Preface

Radio Standards Specification 135, Issue 2, *Digital Scanner Receivers,* replaces Issue 1 (Provisional) of RSS-135 dated October 26, 1996.

This new version will be in force as of the publication date of Notice SMSE-001-09 in *Canada Gazette*, Part I. Upon publication, the public has 120 days to submit comments. Comments will be taken into account in the preparation of the next version of the document.

Listed below are the changes:

1. Material common to most RSSs has been moved to RSS-Gen, *General Requirements and Information for the Certification of Radiocommunication Equipment*. The document has been reformatted to reflect the current RSS format.

2. **Section 3.1**: The requirement that RSS-Gen be used in conjunction with this RSS is stated.

3. The spurious emission limits for receivers are now specified and referred to in RSS-Gen.

Issued under the authority of
the Minister of Industry

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1. Scope

This Radio Standards Specification (RSS) sets out certification requirements for digital scanner receivers.

1.1 Exclusion

This Standard does not apply to:

(a) a receiver that scans radio frequencies for the purpose of enabling its associated transmitter to avoid transmitting in an occupied frequency, but which does not have the capability of decoding the message contained in the radio signal (e.g. converting it to audio voice);

(b) a manually tunable receiver that does not employ programmable or preset channel frequencies (with or without digital decoding capability);

(c) a test equipment receiver that scans radio frequencies, but is incapable of decoding analogue and digital signals;

(d) a receiver capable of receiving broadcasting signals only;

(e) equipment intended for use by amateur radio operators and not capable of scanning frequency bands other than bands allocated for the amateur radio service; and

(f) an analogue scanner receiver. Refer to RSS-215, *Analogue Scanner Receivers*, for certification requirements.

2. General Information

The equipment covered by this Standard is classified as Category I equipment. A technical acceptance certificate (TAC) issued by the Certification and Engineering Bureau of Industry Canada or a certificate issued by a Certification Body (CB) is required.

2.1 Licensing Requirements

The equipment covered by this Standard is subject to licensing pursuant to subsection 4(1) of the *Radiocommunication Act*.

2.2 Definitions

Scanner Receiver is any receiver capable of automatically scanning a frequency band, or several frequency bands, for radio frequency (RF) signals, or a manually tunable receiver that employs programmable or preset channel frequencies and decodes the messages that are transmitted by other parties on those frequencies.

Analogue scanner receiver is a scanner receiver capable of decoding only analogue signals.

Digital scanner receiver is a scanner receiver capable of decoding only digital signals.

3. General Requirements

3.1 RSS-Gen Compliance

This issue of RSS-135 shall be used in conjunction with RSS-Gen, *General Requirements and Information for the Certification of Radiocommunication Equipment*, for general specifications and information relevant to the equipment to which this Standard applies.

4. Certification Requirements

4.1 Information on Scanner Receiver

In addition to the information required for certification in RSS-Gen, the following information shall be included in the application for equipment certification:

(a) frequency band(s) that the scanner receiver scans and/or is able to scan;
(b) intended function or usage of the scanner receiver; and
(c) a copy of the user manual.

4.2 Label Requirements

In addition to the label requirements in RSS-Gen, the label shall include the following or equivalent note: "A radio licence must be obtained prior to possession and use of this scanner receiver."

5. Receiver Standard Specifications

5.1 Receiver Spurious Emissions

The scanner receiver spurious emissions are to be measured when the receiver is in the scanning mode and repeated when the scanning is stopped.

Receiver spurious emissions shall comply with the limits specified in RSS-Gen.