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Radio Standards Specification

# Analogue Scanner Receivers

## Preface

Radio Standards Specification 215, Issue 2, *Analogue Scanner Receivers*, replaces Issue 1 (Provisional) of RSS-215 dated November 6, 1999.

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 received 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 emissions limit (using the radiated measurement method) for receivers at frequencies above 1610 MHz has been removed. The 960-1610 MHz limit is now applicable to all receiver spurious emissions at frequencies above 960 MHz, as per 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 analogue 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) a digital scanner receiver. Refer to RSS-135, *Digital 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 exempt from licensing.

### 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-215 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) the intended function or usage of the scanner receiver;
- (c) a copy of the user manual; and
- (d) a declaration by the manufacturer that the scanner receiver is not a digital scanner and that it is incapable of being converted or modified to a digital scanner receiver by the user.

Receivers capable of being modified by the user include, but are not limited to, those for which the ability to receive such digital transmissions can be added by clipping the leads of, or installing, a simple component such as a diode, resistor and/or a jumper wire; replacing a plug-in; or programming a semi-conductor chip, using special access codes or an external device such as a personal computer.

### **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.