



On-Premises RF Products - Technical Report - Terminology for Use in Specifying Product Parameters

Sponsor
Security Industry Association

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ACKNOWLEDGMENTS:

This standard was developed by the RF Performance Standards Subcommittee. The voting members of the Subcommittee at the date of publication are listed below.

SIA gratefully acknowledges the efforts of the many volunteers from the security industry that helped the Subcommittee develop this standard.

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1. SCOPE

This standard defines common parameters and measures associated with on-premises RF equipment used in electronic security systems.

This standard has been compiled to establish a basis for further definition of measurement techniques for use in providing product specifications that are consistent between product suppliers. The purpose of this standard is to enable accurate comparison of RF products to one another and to enable accurate determination of a product's suitability in a given application.

This standard is intended for use by equipment suppliers in citing performance parameters in their product literature, and by security system designers and installers in using those performance parameters to assess a product's applicability for an intended use.

This standard is voluntary and self-enforcing.

2. REFERENCE DOCUMENTS

This standard is intended to allow compliance with other standards and regulations that apply to RF products used in electronic security systems. In the event of a conflict between the definitions contained in this standard and those set forth in other related standards or regulations, the definitions found in other standards or regulations shall take precedence.

The following agencies are known to promulgate standards or regulations that apply to on-premises RF equipment:

Underwriters Laboratory (UL)

National Fire Protection Association (NFPA)

Federal Communications Commission (FCC)

3. CONVENTIONS

3.1 UNITS OF MEASUREMENT

The units of measurements used throughout this publication are the units of the System International d' Unites (SI), commonly known as metric units. Equivalent English Units, enclosed in parenthesis, are also used in this publication. These equivalent English Units are approximate conversions and are provided for easy reference.