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## **Immunity requirements for telecommunication equipment in close proximity use of wireless devices**

Recommendation ITU-T K.127

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# Recommendation ITU-T K.127

## Immunity requirements for telecommunication equipment in close proximity use of wireless devices

### Summary

Recommendation ITU-T K.127 specifies the immunity requirements for equipment used in the telecom facilities where wireless local area network (WLAN) devices are used in close proximity. This Recommendation is established in order to avoid malfunctions of the equipment due to radio frequency (RF) signals of devices. It contains requirements including test levels, test signal, test procedures and test facilities.

### History

| Edition | Recommendation | Approval   | Study Group | Unique ID*                                                                   |
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### Keywords

Close proximity, radiated immunity, vicinity, wireless devices.

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\* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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## Introduction

In recent years, the usage of tablet terminals connected to the wireless local area network has been widely spread because it helps to improve efficiency of maintenance work in the telecommunication equipment rooms. The work procedures or the indication from remote operators are displayed on the tablets. It is possible for workers to improve their efficiency by watching the displays while they work. In addition, with the Internet of things (IoT), it is assumed that the various sensors installed in the telecommunication equipment room are connected wirelessly. Therefore, when the various wireless devices are used in close proximity to telecom equipment, the radio waves emitted from these devices can cause malfunction of telecom equipment. This Recommendation defines radiated immunity requirements and test procedures assuming the usage of wireless devices in the vicinity of telecom equipment.

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