

Interpretation Sheet 2

EN 55020:2007

English version

Foreword

This Interpretation Sheet to the European Standard EN 55020:2007 was prepared by the Technical Committee CENELEC TC 210, Electromagnetic Compatibility (EMC). The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC on 2010-07-09.

In EN 55020:2007, Annex I, I.7, it is stated:

I.7 Other immunity measurements

I.7.1 Digital only receivers

In case of digital-only receivers the relevant immunity measurements of this standard shall be performed.

I.7.2 Receivers for digital and analogue signals

For the analogue mode all the relevant immunity measurements of this standard shall be performed. In the digital mode, only measurements on electrostatic discharge (ESD, see 4.7) and electrical fast transient (EFT, see 4.5) need to be performed.

With regard to the above, it is understood that the receiver is the whole EUT (as defined in 3.1.2), therefore the following question arises:

Question:

In the case of a receiver with separate RF input ports for Analogue/Digital Terrestrial and Digital Satellite reception, is it appropriate to test the digital satellite mode only for EFT and ESD?

Interpretation:

Where different ports are provided as described above, the full set of immunity tests should be carried out in digital satellite mode, because a different port is being assessed.

Validity:

This interpretation remains valid until an amendment or updated standard dealing with this issue is published by CENELEC.
