

DTT shielding to avoid 4G network interferences

LTE (Long Term Evolution) is the latest standard in the mobile network technology of 4th generation, or 4G networks, which implies an additional radio-electric spectrum for broadband.

Long Term Evolution
has arrived

Having overcome the DTT challenge, we have to react and keep the installations free from interference.

The radio-electric spectrum liberalization opens on to new services; it also

involves a challenge for the installer, always supported by Televes in his continuous evolution as a professional installer

with a wide knowledge and technical background.

The new installations will have to manage the effects that the 4G signals may cause to the MATV equipment and networks.



Overcoming screening standards

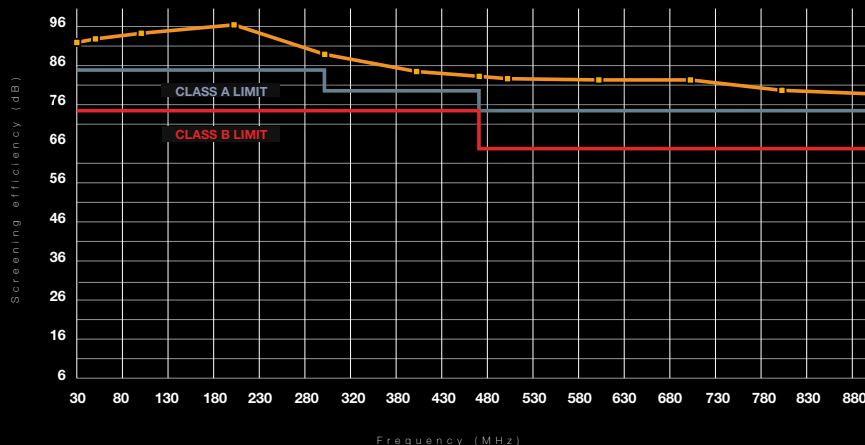
The advantages of 4G networks are considerable.

- Download rates up to 300 Mbps.
- High mobility performance for speeds from 0 to 15 Km/h.
- Connection upkeep between 300 and 500 Km/h.
- Compatible with 2G and 3G networks.
- Better spectrum management with the ability to offer unicast and broadcast services.

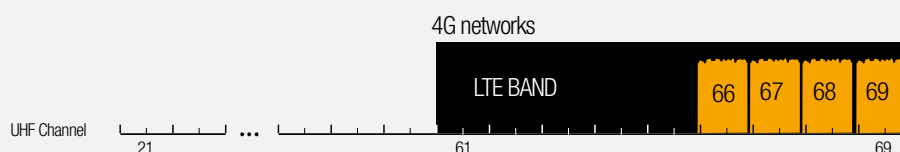
To preserve DTT quality with a shielded installation is the installers challenge.

SCREENING IMMUNITY

Port No1 - Radio frequency 5 to 2150 MHz. Input through clamp connection



The impact on DTT emissions could be imminent



After the release of the UHF sub band covering channels 61 and 69 currently allocated to DTT services, they will be deployed in the 4G networks.

The best solution for interferences of LTE signals on DTT signals is the use of elements with high screening efficiency (especially cables and connectors)

► Functional Characteristics

Televes Pro easyF connector guarantees the highest quality of equipment and system connectorization, thus shielding the digital signals on the installation.

Its screening effectiveness across the entire band exceeds CLASS A requirements.

Pro easyF Connector

the connector for the professional installer

Shielded

Shielding better than Class A.

Robust

Made of Zamak.
Surface treated with galvanised zinc, dichromate and reactive sealing process.

Reliable

Innovative design to prevent short circuits.



Secure Connection:



Saves time and reduces costs in the installation.

Ensures reliability and reduces the need of future inspections.

The confidence of a job well done.

Electrically Perfect:



Its 100% automated manufacturing is a guarantee reference.

Total shield to prevent unwanted effects on DTT reception.

Perfect adaptation to the distribution network elements.

Its performance and quality makes this connector ideal for the actual DTT and future HDTV.

The confidence of a job well done

Televes

www.televes.com

Simple

one single screw to tighten the set

Easy

the inner conductor is guided to the contact through a slot in the plastic top

Secure

jagged rows ensure perfect cable outer sheath clamping



Accessible

connection is always visible



User-Friendly

hinged cover and captive screw in it



Compact

no loose parts have to be held while a connection is established



Simplicity and fast Assembly:



One single screw.

Connection is always visible.

Without detachable pieces.

