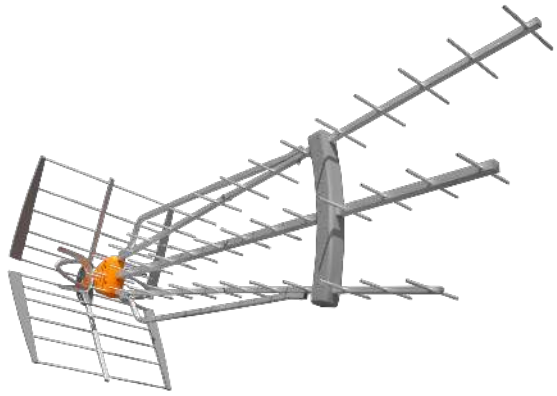


DAT BOSS LR antenna UHF (Repack Ready)

Long-range Intelligent antenna with the BOSSTech system. Specially designed for quality reception of UHF (DTT) under extremely difficult reception conditions thanks to its structure; optimizes the rejection against other bands. It includes a filter to optimize LTE band rejection up to channel 36 (Repack Ready).

The antenna is provided with a high-performance switch-mode power supply to feed complement the BOSS system, with a compact and pleasing design. Enjoy top rated OTA HDTV shows for free and ensure your installation is ready for NextGen TV (ATSC 3.0).

Ref.	149784
EAN13	8424450277980

Other features	
Colour	Orange
Power Supply Unit	12V, US plug
Supply method	Single packing

Physical data	
Net weight	3,522.00 g
Gross volume	58.50 dm³
Gross weight	4,388.00 g
Width	560.00 mm
Height	736.00 mm
Depth	1,952.00 mm
Main product weight	3,200.00 g

Packaging info	
Box	1 pcs.
Box	1 pcs.
Pallet	20 pcs.

Highlights

- Use this antenna to join the "cord-cutting" movement and enjoy top rated HDTV shows for free: abc HD, CSO HD, FOX HD, PBS HD, the CW, Univision HD
- High dynamic range: it allows the reception of high-quality TV in a variety of critical situations, from areas where signals are very weak to installations with high signal levels

- Expanded DTT coverage area: up to 27% higher than previous models
- More stable signal reception: it supports signal variations or fading with no effect on the TV installation
- Optimal C/N: thanks to a noise figure of only 1.2dB that enhances the received signal quality
- Very high gain: TForce technology provides BOSS with an increase in gain of up to 13dB
- The DAT design, based on 3 Yagi antennas with asymmetric directors, provides great directivity as well as an optimal anti-echo radiation pattern
- Special double-U dipole: it's open/close format provides optimal frequency response flatness
- A fully shielded switch box protects the BOSS system from impulsive noise; grounded for full protection against electrical discharge
- Manufactured in aluminium (stainless) for a long service life
- Two work mode options: Intelligent low power consumption mode or passive mode (lack of power supply)
- Fully automated manufacturing in Europe under the most stringent quality controls: a synonym of high reliability

Discover

TForce technology:

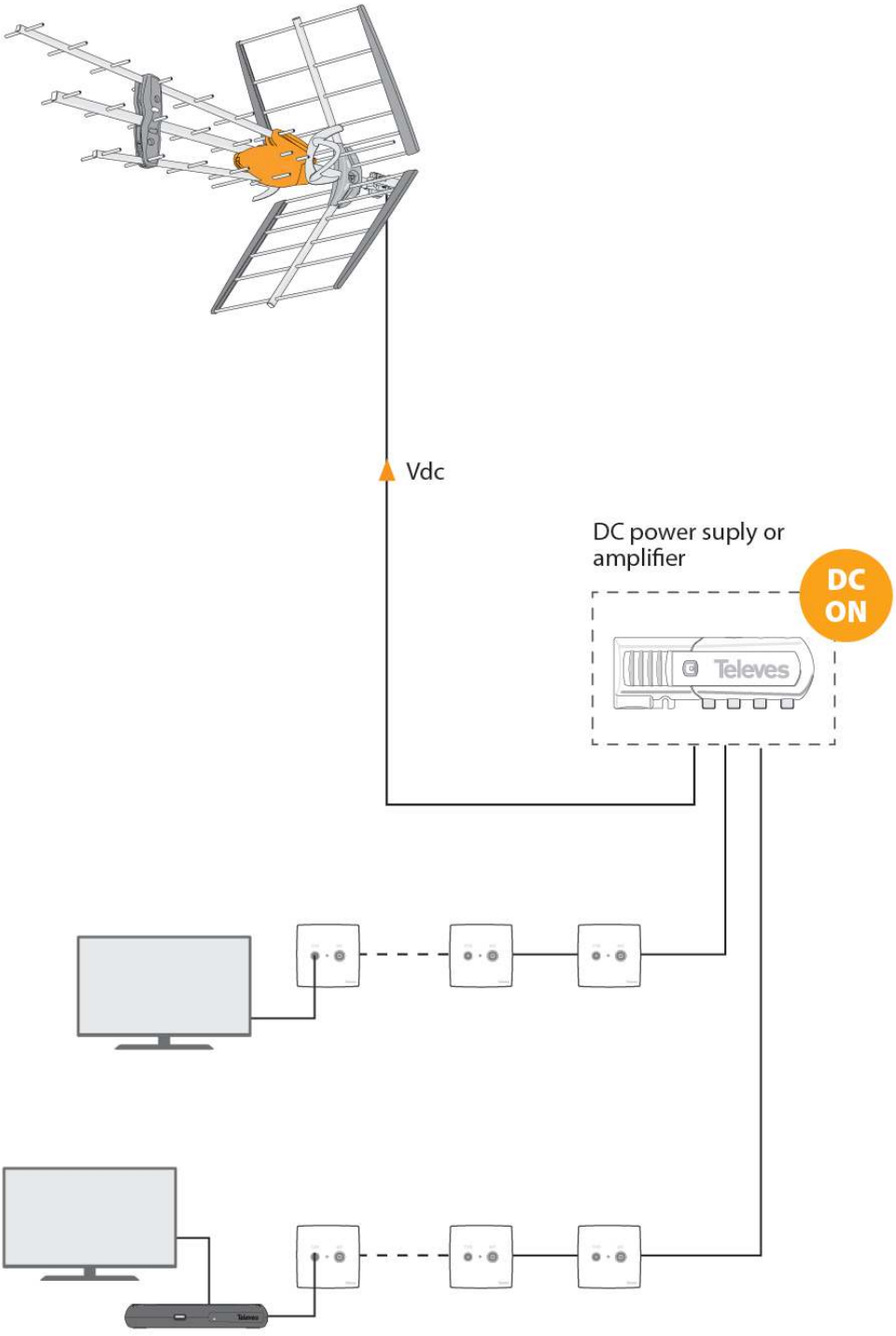
Televes transitions from the traditional silicon era into a new era of electronic component design, allowing integrated circuits to be precisely manufactured for microwave frequency bands. Utilizing “State of the Art” MMIC technology TForce is manufactured using semiconductor compounds such as gallium arsenide (GaAs), providing the resulting products with unparalleled features and performance

Televes has reinvented the antenna concept. Until now, an antenna was just the reception component of a TV installation in which gain and directivity were the main features. The introduction of a smart device like BOSS provides the antenna with the capacity to receive very weak signals without the risk of being affected by very strong signals, the result is a dynamic balance between weak and strong signals that provides optimum signal levels at all times: the "dynamic range" concept turns out to be the most outstanding among quality parameters.

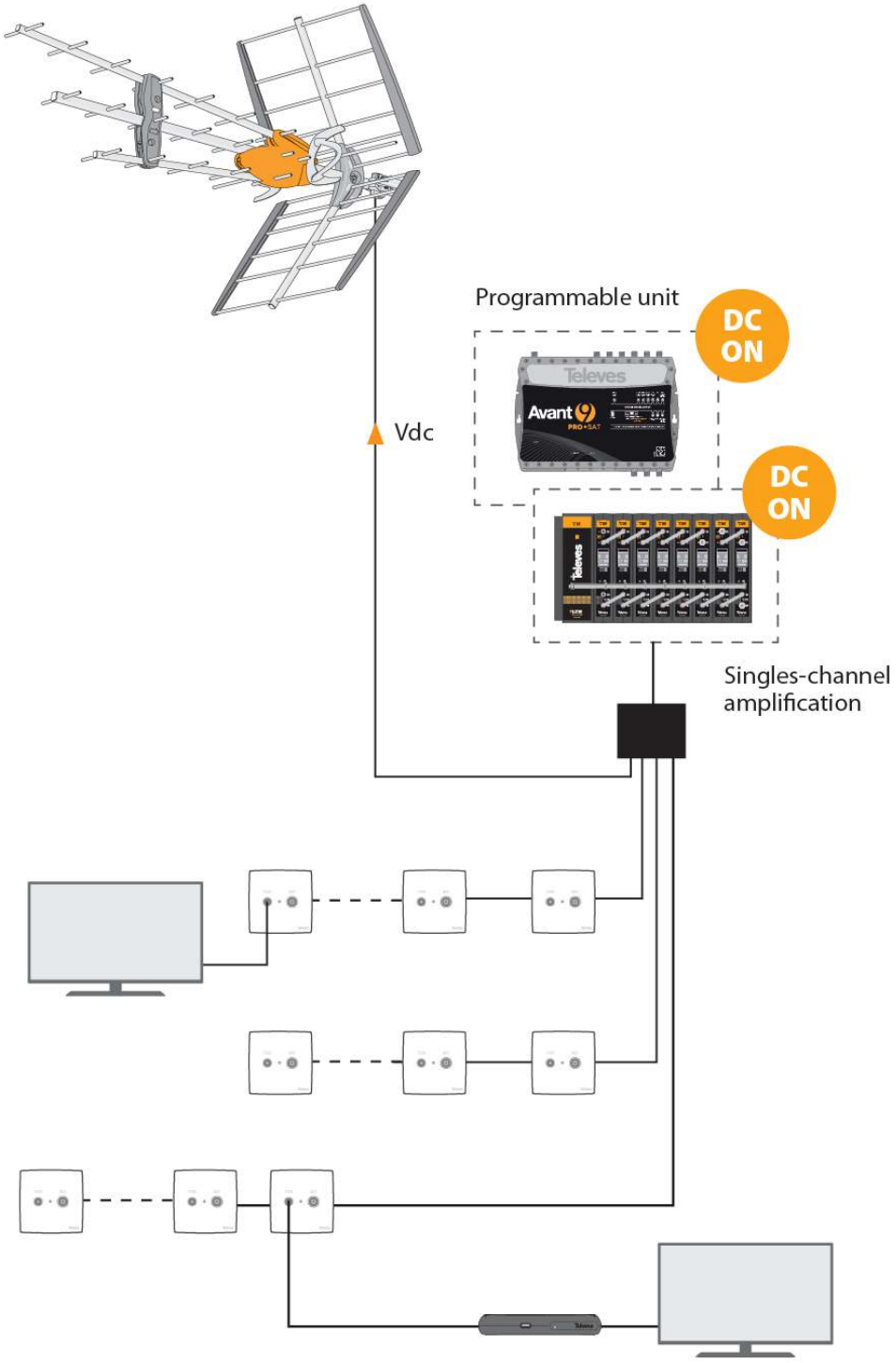
The creation of TForce with BOSS technology using MMIC components is an extraordinary milestone in the optimization of the dynamic range. The technology that allowed the reception of lost signals from distant satellites is now allowing the enhancement of the coverage range in DTT installations.

Application example

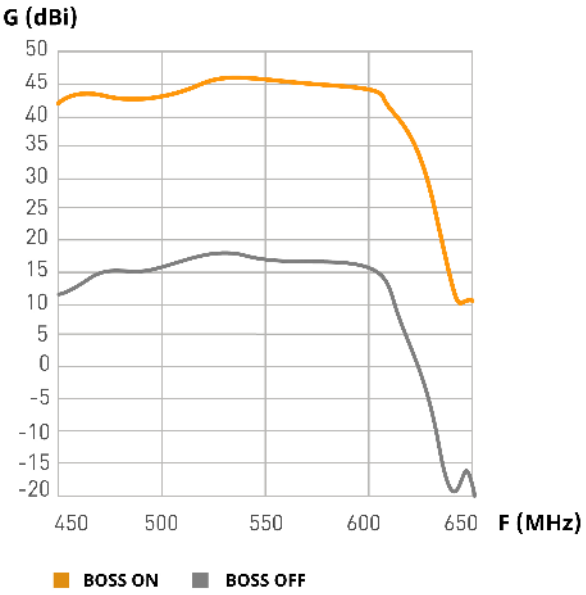
BOSS activation by means of a power supply unit or an amplifier.



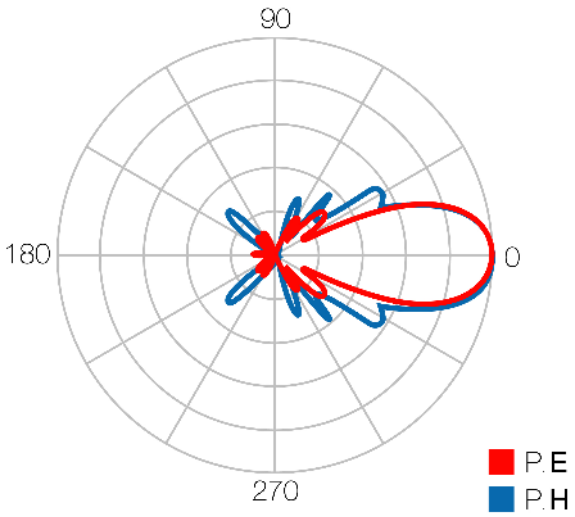
BOSS activation through headend system.



Graphic documentation



Frequency response



Radiation pattern

Mounting details

Double fixing point (top and bottom) to ensure stability.



Two fixing points (bottom and top) in order to guarantee stability

Televes®

Technical specifications : Ref. 149784

Bands		UHF
Frequency range	MHz	470 ... 608
Channels		14 ... 36
BOSS mode		ON
Gain	dBi	46
Output level		Auto*[1]
Noise figure	dB	3.5
Powering	Vdc	12
Max. current	mA	40
Beamwidth	°	35
F/B ratio	dB	> 25
Wind load (@80miles/h)	N	120
Wind load (@93miles/h)	N	165
Mast diameter	in	0.787 ... 1.969

*[1] The gain is automatically adjusted according to the level of output.