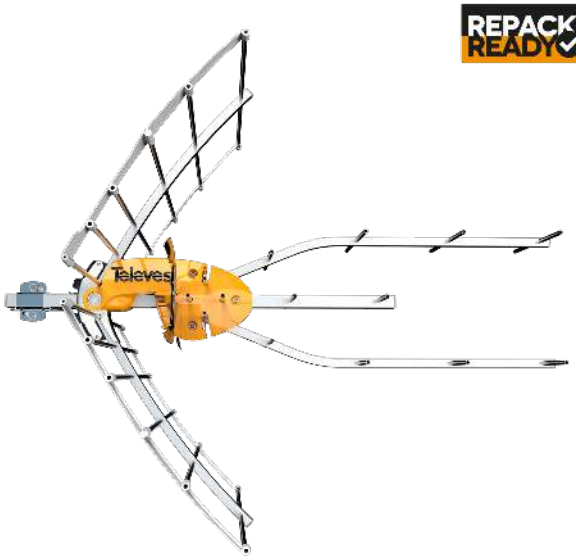


Ellipse Antenna UHF (Repack Ready)

Intelligence taken to the limit

Ellipse is an advanced over the air TV antenna that automatically adapts its gain in real time to optimize the reception of television signals, ensuring the optimum level of signal is delivered at all times. This latest repack-ready version has been completely redesigned from the ground up for the new US broadcast frequencies, filtering any interfering 5G signals above 608MHz.

The antenna is able to receive very weak signals while at the same time avoiding overload caused by very strong signals. Ellipse is a high gain directional antenna designed to offer stable and high quality reception of UHF (RF channels 14-36) in mid to long-range receiving scenarios despite continuous changes in weather and transmitting conditions thanks to its exclusive and intelligent built-in TForce amplifier. The Televes proprietary triple boom design ensures maximum raw gain in a compact and install friendly form factor suitable for outdoor or attic install. No additional preamplifier purchase is required as the antenna includes a best-in-class very low-noise TForce preamplifier built in right at the dipole with automatic gain control, plus FM and cellphone signal filtering adapting to any installation situation.

A low-consumption UL-listed power supply is included providing two outputs for convenient distribution to additional TV sets. Not only do industry experts rave about the Ellipse exceptional performance but also the unparalleled manufacturing quality using only the finest materials (aluminum, stainless steel, ABS plastic) ensuring years of trouble free operation in the most challenging environments. It ships in an eco-friendly compact package and assembles in less than 30 seconds. Ellipse is your best option for a compact high gain TV antenna with uncompromising performance.

Ref.	148983
EAN13	8424450277973

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

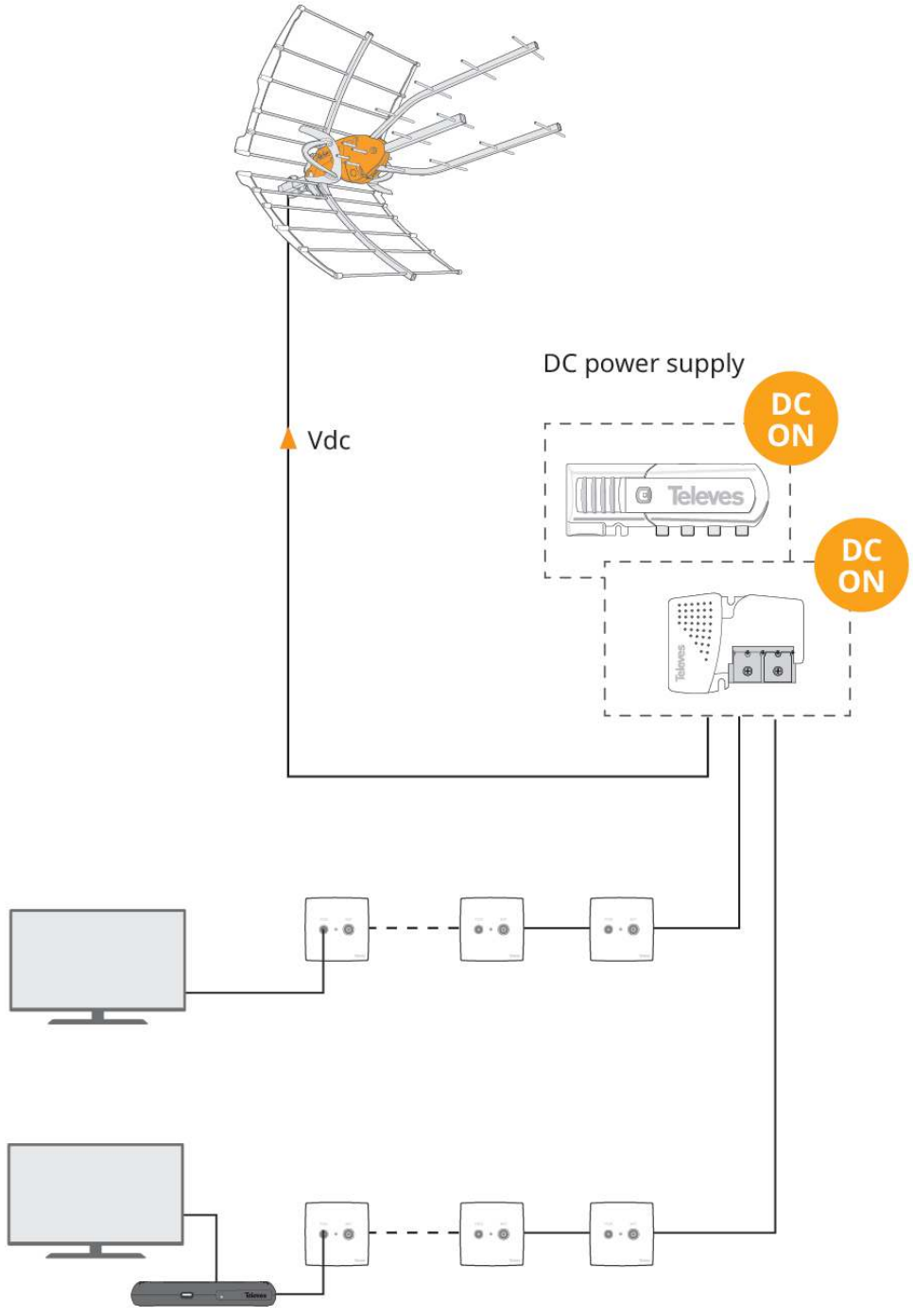
Packaging info	
Box	1 pcs.
Carton	4 pcs.

Physical data	
Net weight	2,739.00 g
Gross volume	42.02 dm³
Gross weight	2,739.00 g
Width	860.00 mm
Height	685.00 mm
Depth	555.00 mm
Main product weight	1,600.00 g

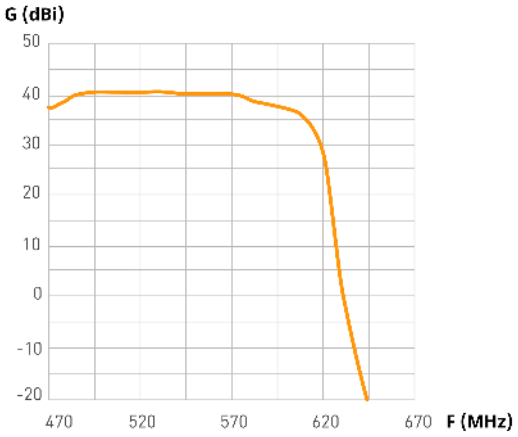
Highlights

- The antenna has been completely redesigned for reception of TV signals on RF channels 14-36
- Crystal clear TV reception enabled by a built-in T-Force preamplifier that automatically adjusts its gain for an optimum no-compromise performance
- Elegant cutting edge design built strong to withstand the harshest elements
- FM and LTE/5G filtering eliminates radio and cellular phone interference
- Designed as a compact easy to install product for professionals and consumers alike (38.8 x 34 x 27 in)
- Unlike most other antennas the preamplifier, power supply and LTE/5G filter are included making Ellipse your best value
- Built-in TForce preamplifier continuously analyzes TV signals received by the antenna to provide the optimum gain and delivered signal level at all times. Based on proprietary MMIC technology exclusive to Televes offering unparalleled performance
- In the event of power failure, the Ellipse will continue to work in passive mode, bypassing the built-in antenna electronics. The antenna can operate in active (amp turned on) or passive mode (amp turned off)
- Made in Europe: Manufactured in a fully automated production and verification line that ensures the highest level of performance guarantee

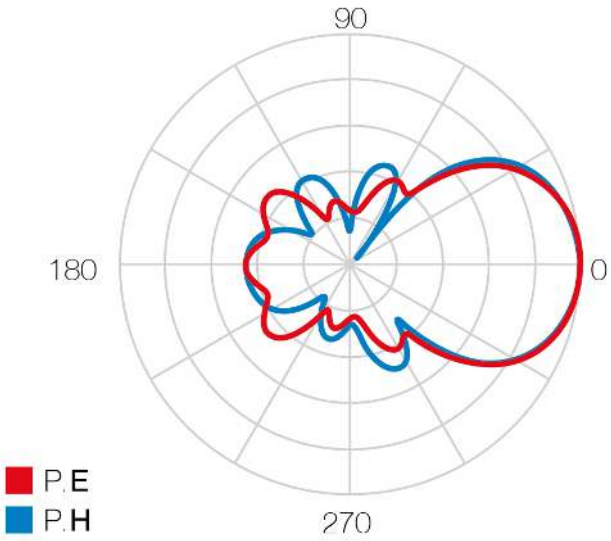
Application example



Graphic documentation



Frequency response



Radiation pattern

Technical specifications : Ref. 148983

Bands		UHF
Frequency range	MHz	470 ... 608
Channels		14 ... 36
BOSS mode		ON
Gain	dBi	40
Output level		Auto*[1]
Noise figure	dB	3.5
Signal level of use	dB	< 15
Powering	Vdc	12
Max. current	mA	40
Beamwidth	°	40
F/B ratio	dB	> 20
Wind load (@80miles/h)	N	96
Wind load (@93miles/h)	N	132
Mast diameter	in	0.787 ... 1.969

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