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## Wideband LNB 2 outputs: V/H - Overlight series

Wideband LNB converter, characterized by a single local oscillator. It captures the entire frequency spectrum of a satellite and transmits it through two outputs (V-H) in a frequency range between 290 and 2340 MHz.

Designed to work with Overlight stations (RF to fiber optic converters).

Supplied in individual packing.

**Ref.747402**

**Art.Nr**

SPWB30

**EAN13**

8424450251133

### Highlights

- Low visual impact design and small casing
- High gain
- Low noise figure
- Can be used under extreme temperature conditions
- Light-weight
- Compatible with 40-mm supports
- Low power consumption
- Power feeding through the Overlight optical transmitter
- Simple connection
- Overlight series compatible

### Discover

#### WideBand technology

WideBand (also known as FullBand) refers to broadband transmission technology that uses a wide range of frequencies. In WideBand TV systems, a substantial portion or the whole of the frequency spectrum is available to users. It can be used in fiber deployments where long cable runs are demanded, or coaxial scenarios in combination with multiswitches adapted to this technology.

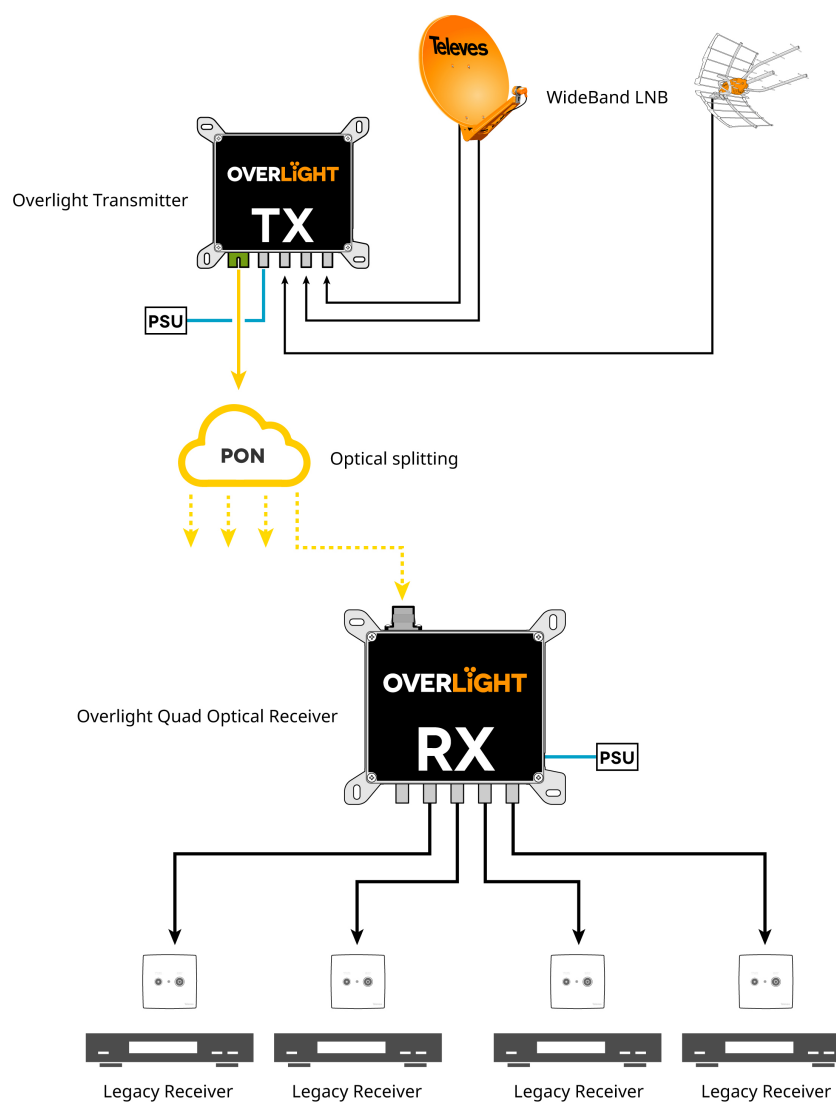
In WideBand technology, an LNB captures a complete satellite signal and distributes it through 2 universal outputs (vertical -V- and horizontal -H-), each of them with the combination of high (H) and low (L) bands, in a frequency range between 290 and 2340 MHz.

**Despite the fact that Quattro technology is the most widely deployed technology in TV systems nowadays, WideBand technology brings significant advantages to the installation:**

- **Simpler, faster and cleaner installation:** In WideBand technology the number of coaxial cables connecting the LNB to the multiswitches is half as in traditional Quattro deployments, so the installation is done quicker and easier. The installation will also be tidier with fewer cables.
- **Wider bandwidth than other technologies:** WideBand channels can carry more information thanks to their wide bandwidth (290-2340 MHz). This powerful feature allows a greater number of services to be delivered to the end users of the installation.
- **Reusable deployment:** WideBand technology allows signal distribution by reusing a Quattro installation. It can be distributed through the old 4 cables coming down from the roof to capture signals from up to 2 satellites, changing only LNBs and MSWs to be WideBand compatible.

## Application example

(Click to see the picture)



## Technical specifications

Frequency range	GHz	10.7 ... 12.75
Output frequency range	MHz	290 ... 2340
L.O. frequency 22KHz	GHz	10.41
Gain	dB	57
Noise figure	dB	0.3
L.O. stability	MHz	-1.5 ... 1.5
Polarities discrimination	dB	> 20
Phase noise (@10 KHz)	dBc	-80
Powering	Vdc	10.5 ... 21
Max. current	mA	100
Impedance	$\Omega$	75
Connectors		"F" female
LNB-bracket diameter	mm	40
Operating temperature	°C	-40 ... 60