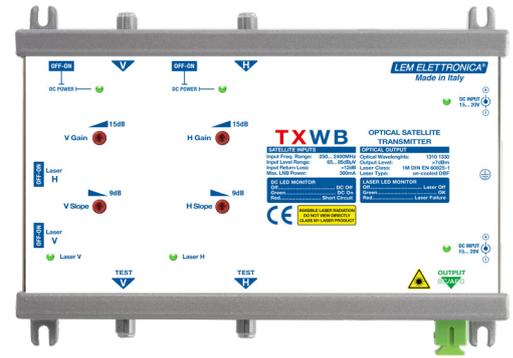


# TXWB

## Wide band LNB Fibre Optic Transmitter

-  **V & H inputs for wide band LNB**
-  **LNB power feeding**
-  **On/Off switch for each Laser**
-  **Test point for each input**
-  **Adjustable gain and slope for Satellite inputs**
-  **Optical monitor Led for each Laser**
-  **Double DC input for redundant power supply**
-  **Supplied with power supply**



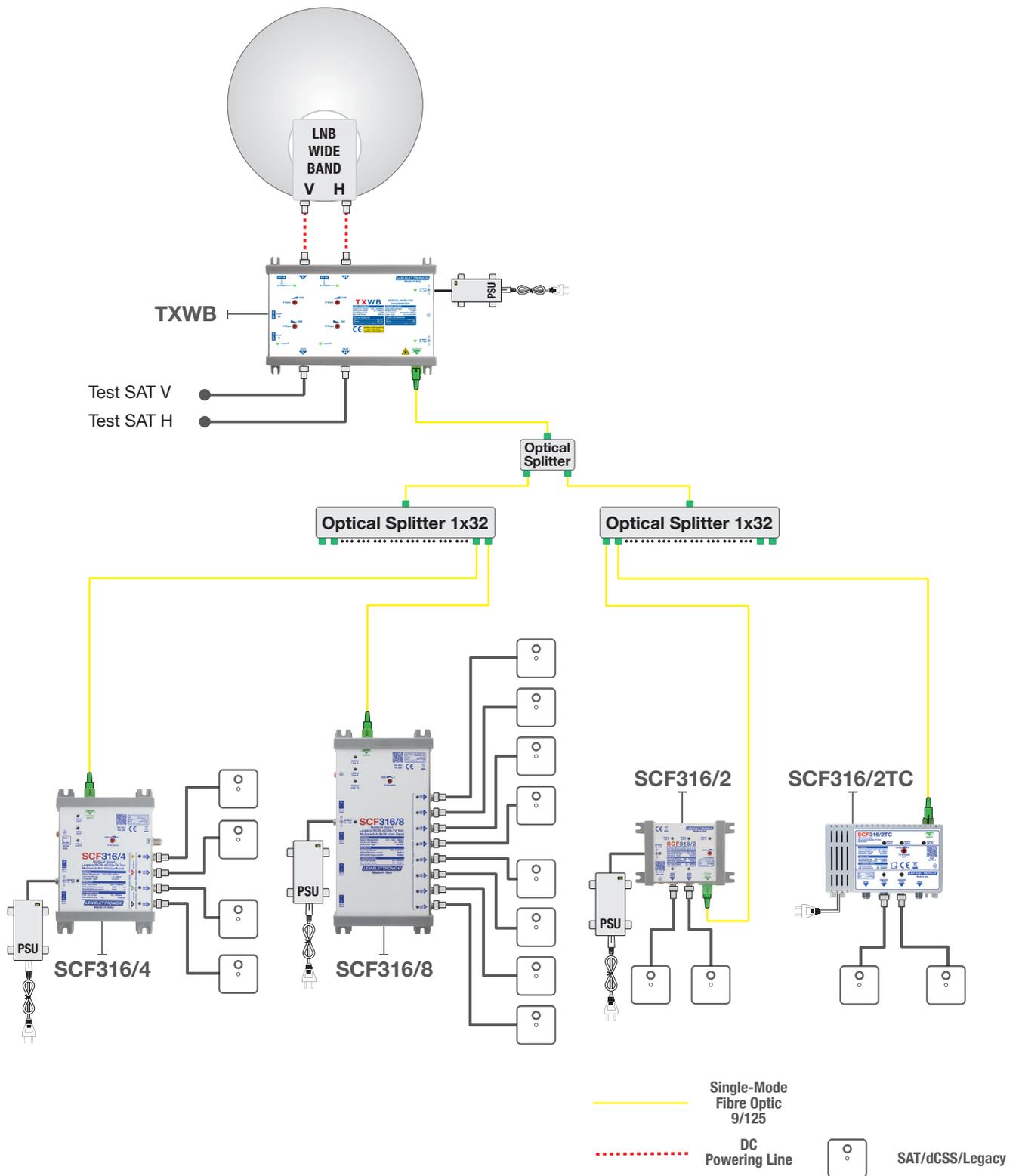
Multiple DFB low distortion laser optical transmitter based on WDM technology for MATV and Satellite signals distribution over a sole single-mode fibre optic cable.

Ready for  
**UHDTV**

**5**  
WARRANTY YEARS

MODEL		TXWB
RF INPUTS	n°	2
RF TEST OUTPUTS	n°	2
OPTICAL OUTPUT	n°	1
<b>OPTICAL</b>		
OUTPUT WAVELENGTH	nm	1310 - 1330
LASER TYPE		UN-COOLED MULTI QUANTUM DFB
LASER CLASS		1M, EN 60825-1
OUTPUT POWER	dBm	≥7
OUTPUT CONNECTOR		SC/APC
<b>SATELLITE</b>		
INPUTS BANDWIDTH (for Wide Band LNB)	MHz	250... 2.400
INPUT RANGE LEVEL (ADJUSTABLE)	dBμV	70... 90
A.C.G. RANGE	dB	20
SLOPE ADJUSTER RANGE	dB	0... 9
RETURN LOSS	dB	>12
LNB REMOTE FEEDING		5,25W (15VDC/350mA)
<b>OTHERS</b>		
DC INPUT VOLTAGE	V	12... 20
MAX. POWER CONSUMPTION WITHOUT EXTERNAL LOAD	W	3
MAX. POWER CONSUMPTION WITH EXTERNAL LOAD	W	9
SHORT-CIRCUIT PROTECTION		ALL INPUTS
DIMENSIONS	mm	146x200x38
OPERATING TEMPERATURE	°C	0... +50

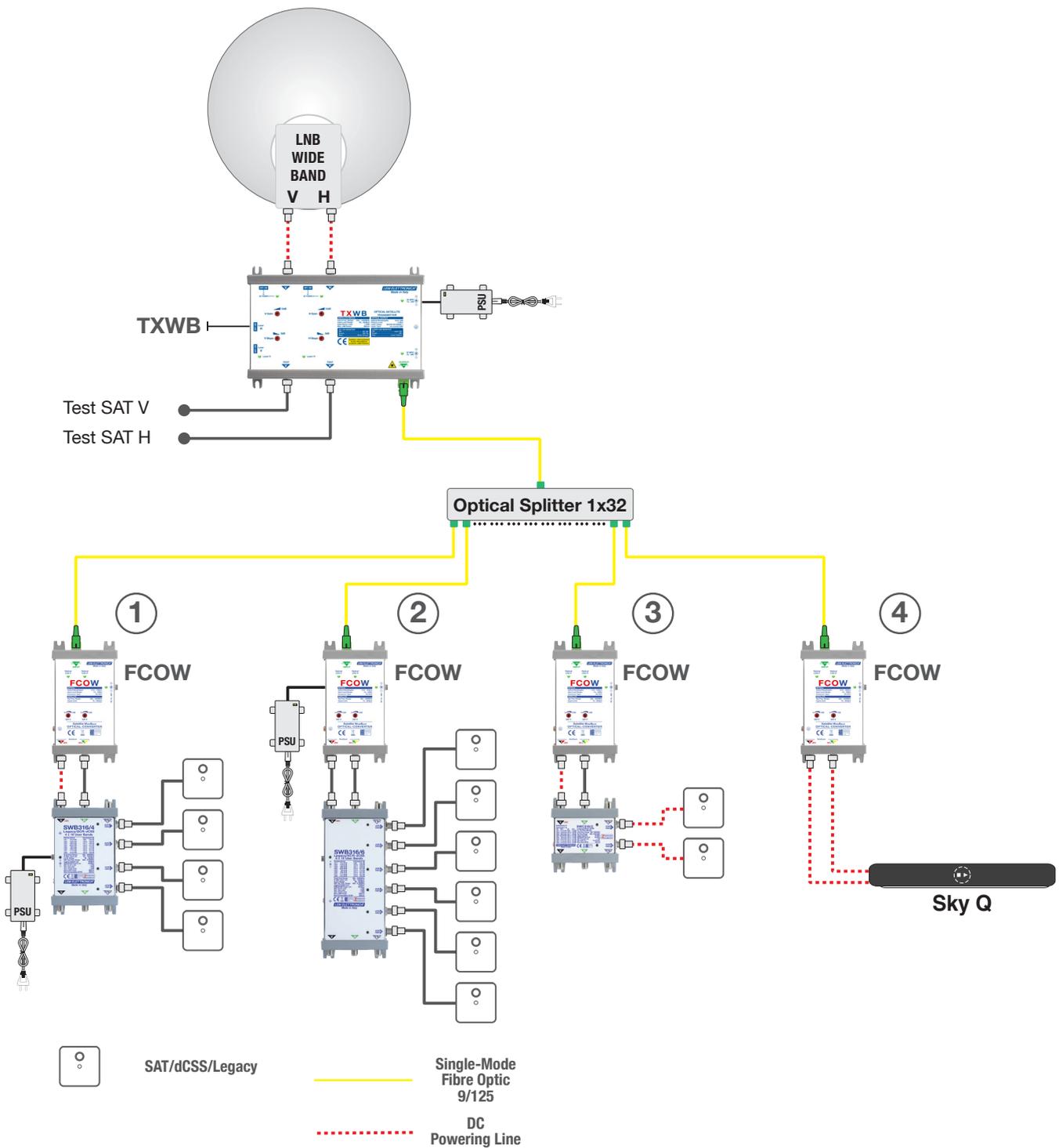
# Connection Diagram



## Distribution of a satellite (DTT; FM; DAB) over a single-mode optical fibre

The headend **TXWB** converts and transmits over a single-mode fibre optical cable the transponders of a satellite received from a Wide Band LNB. Each **SCF316** series optical converter output provides satellite signals supporting the legacy or dSCR standards (AUTO-SWITCH).

# Connection Diagram



## Distribution of a satellite (DTT; FM; DAB) over a single-mode optical fibre

The **TXWB** headend converts and transmits over a single-mode optical fibre cable all the transponders of a satellite received from an Wide Band LNB. The conversion of the optical signals are performed by **FCOW**.

In the sample there are four suggested use and powering mode of the **FCOW**:

- (1) Combined with a **SWB316/4** powered by the PSU connected to the multiswitch.
- (2) Combined with a **SWB316/8**, powering is provided by PSU connected to FCOW
- (3) Combined with a **SWC316/2**, powering is provided by the Set-Top-Box.
- (4) Directly powered and connected to the Sky Q Wide Band inputs