NP100
100 products in 18 months

Made in EU

T.0X TRANSMODULATOR /
REGENERATOR COFDM / COFDM CI

REF.563401

This transmodulator-regenerator of DTT signals is able to extract the transport package (MPEG-2, MPEG-4, ... etc) of the multiplex received, allowing decrypt, edit or even delete the services embedded in it, as well as regeneration of degraded DTT signals.

After managing the desired services, the transport package is modulated in a new DTT COFDM regenerated multiplex for distribution in the coaxial network.

- Adaptation of the Transport Packet to the DVB-T requirements by the **elimination either total or selective of MUX services received**, so that they will not be detected (and memorized) by DTT receivers or TVs.

- **Edit TS_ID** , to facilitate detection of programs / services in the STB or TV with DVB-S2 tuner, which makes channel scanning as a function of that identifier.

- **Edit Original Network_ID** and **Network_ID** to control network IDs.

- Allows you to assign an **LCN** (Logical Channel Number) to the existing services at the output, which facilitates the **management of channels in the receiver or TV with DTT tuner.**

- Through its interface CI and corresponding CAM module, **encoded DTT channels become free services**.

- Allows **the regeneration of deteriorated COFDM signal**, whose degree of degradation prevents proper decoding by DTT receivers or TVs. Due to the intrinsic nature of it, a regenerated **digital signal is equal to the original one**.

CLASS A   HD

REF	DESCRIPTION	EAN 13 CODE
563401	T.0X TRANSMODULATOR / REGENERATOR COFDM / COFDM CI	8424450148235

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TECHNICAL SPECIFICATIONS

Reference				563401	
DTT INPUT	DTT	Input frequency	MHz	177,5···226,5 (VHF) / 474···858 (UHF)	📋
		Frequency steps	KHz	125, 166	📋
		Input level	dBµV	49 ··· 90	
		Peamps powering	Vdc	0, 12, 24	📋
	DVB-T	Modulation		COFDM	
		Guard interval	µs	1/4, 1/8, 1/16, 1/32	▶
		Scrambling, Interleaving		DVB ET 300744	
		Convolutional Code (inner FEC)		Viterbi (1/2, 2/3, 3/4, 5/6, 7/8)	▶
		Block Code (outer FEC)		RS(188/204)	▶
		Bandwidth	MHz	7, 8	📋
DTT OUTPUT	COFDM	Modulation (Constellation)		COFDM (QPSK, 16QAM, 64QAM)	▶
		Guard interval	µs	1/4, 1/8, 1/16, 1/32	▶
		Scrambling, Interleaving		DVB ET 300744	▶
		Convolutional Code (FEC)		Viterbi (1/2, 2/3, 3/4, 5/6, 7/8)	▶
		PCR correction		yes	▶
		Services deleting		yes	📋
		Network_ID, Original Network_ID		Editable	📋
		Cell_ID, TS_ID		Editable	📋
		Spectral inversion		Normal, Inverted	▶
		Bandwidth	MHz	7, 8	📋
	RF	Output frequency		177,5...226,5 / 474...858	📋
		Frequency steps	KHz	125, 166	📋
		Output level (max.)	dBµV	80 typ.	📋
		MER	dB	> 32	
GENERAL		Powering voltage	Vdc	24	
		Consumption	mA	320 (no powering neither preams nor CAM)	
		Protection index	IP	20	

📋 Programmable
▶ Automatic

TYPICAL APPLICATION

Before turning on the power for the unit, insert the card into the CAM to the bottom, with its contacts towards the left and forward, as can be seen in the figure.

DTT regenerated and/or signal with decoded services.

5629   6 x 563401   5575

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