

DTC-378 T2Xpress

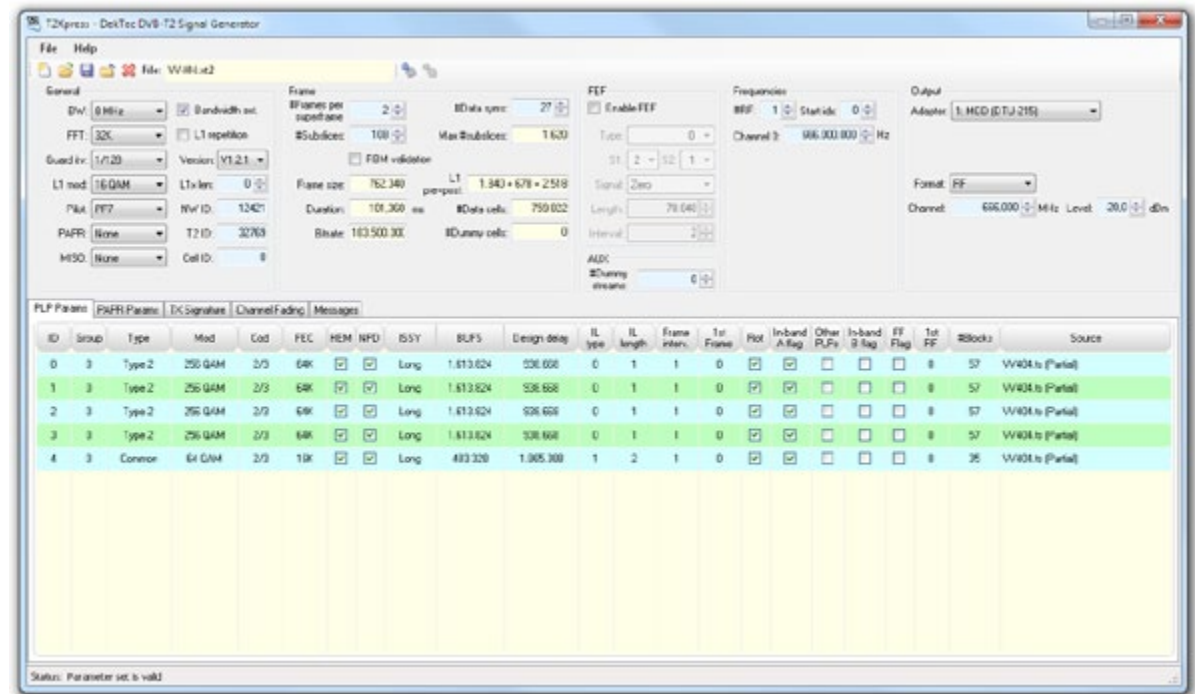
DVB-T2 Signal Generator Software

Features

- Complete multi-PLP DVB-T2 modulator with full user control over general DVB-T2 parameters, T2-Frame structure and parameters per PLP
- T2-lite profile support
- Multi-profile stream generation, e.g. generate T2 lite and T2 base profile in each other's FEF
- Receiver Buffer Model (RBM) validation and corner cases stream generation with real video
- "Big-TS-splitter" function with SI processing for easy generation of multi-PLP streams with a common PLP from a standard Transport Stream
- Input from Transport-Stream files, built-in O151 PRBS generator or DVB V&V stream generator model
- Support for PAPR
- MISO simulation: Generation of I/Q sample files for both MISO transmitter signals with optional independent channel modelling of each signal
- Can be used in conjunction with DekTec's DTC-305-CM XpressSim channel simulator with AWGN generator (adjustable SNR), multipath fading, Rayleigh channels and Doppler simulation to accurately simulate reflections and a moving receiver

Applications

- Test-signal generator for DVB-T2 receiver chip development, testing and evaluation
- Signal generator for DVB-T2 receiver demonstrations and field trials



Supported Output Adapters

Output Format	Adapters / Format
RF	DTA-111, 115, 116, 117, 2111, 2115 DTU-215
I/Q samples* in file	Float32, Int16, Text
Real-time T2-MI	All DekTec adapters supporting ASI or TSoIP
T2-MI in file	TS
Test point data* in file	TPs: 3, 4, 6, 8, 9, 11, 12, 15, 16, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 50, 51 and 53

* Requires DTC-371-IQ option

PC Requirements

Platform	Windows XP/2k3/Vista/7/2k8
Processor*	P4@2.0GHz (off-line mode) Core 2, Core i7 (real-time)

* Or equivalent AMD processor

Related Products

Type	Description
DTC-305-CM	XpressSim channel-modelling option
DTC-371-IQ	I/Q sample generation option

Ordering Information

Type	Description
DTC-378-T2	T2Xpress DVB-T2 signal generator software