

## Overviews

DVB-(T) modulator is our new product developed complying with the DVB-(T) standard. With its advanced modulating technology, this modulator can effectively make use of the ground spectrum resources and make it possible to provide reliable signals for fixed, mobile and portable devices. Compared with DVB-T, the channel capacity is increased by 30% under the similar carrier to noise ratio (CNR) threshold. Moreover, this device can be upgraded and controlled through network system, which allows it to be widely used in setting up digital broadcasting network and provide good signals for scientific laboratory and DVB-(T) STB.



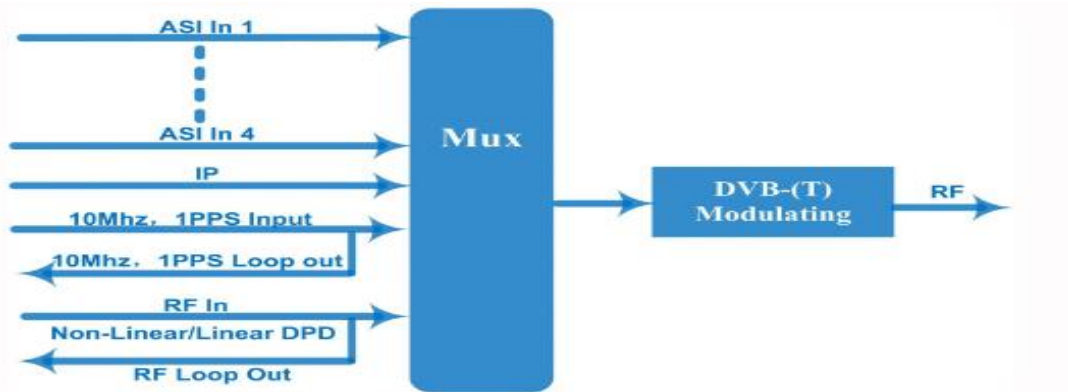
## Feature

- Fully complying with EN300 744 standard
- 4 ASI input ports
- 1 IP input over UDP protocol
- 10MHz input/loop out, 1PPS input/loop out
- DVB-(T) RF out in one device
- Supports single PLP
- Support MISO and SISO
- Support MFN net mode
- Supports non-linear and linear digital pre-distortion (DPD)
- Constant temperature crystal oscillator, as high as 0.1ppm stability
- Support PID bypass and passthrough
- Keyboard operation and LCD display
- Web Network management system

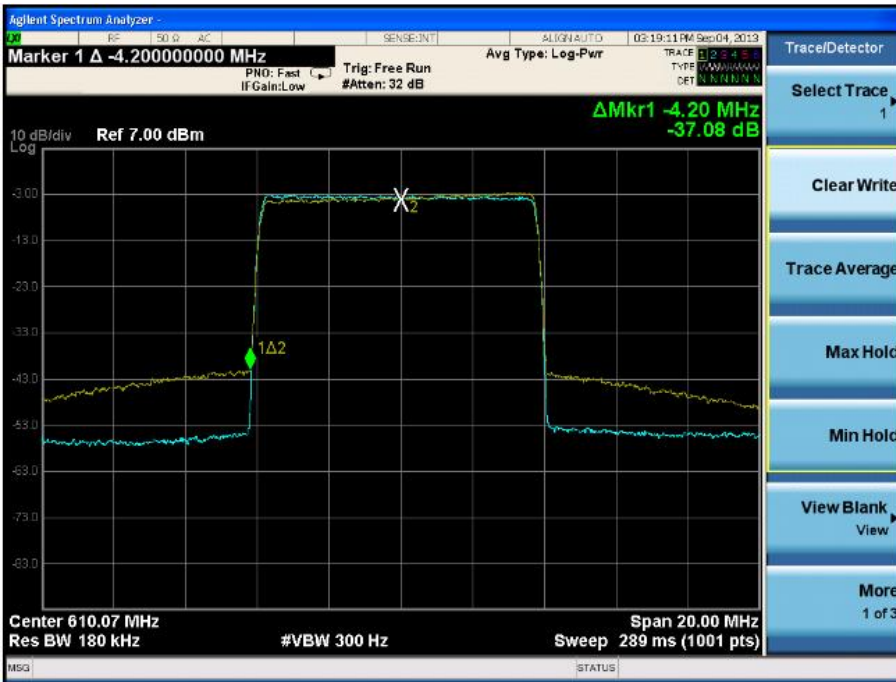
Specification

ITEM	PARAMETER		
INPUT	TS input over 4 ASI and 1 IP port (UDP)		
	10MHz reference clock input and loop out, BNC interface		
	1PPS input and loop out, BNC interface		
lexing	Maximum PID Remapping	128 input per channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/SI table automatically	
Modulation	DVB-T	Standard	EN300 744
		FFT	2K, 8K
		Bandwidth	5MHz, 6MHz, 7MHz, 8MHz
		Constellation	QPSK, 16QAM, 64QAM
		Guard interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		Net Mode	MFN
RF Out	Connector	N Type, 50Ω Impedance	
	RF range	30~999Mhz, 1hz stepping	
	Output level ATT	-25~+3 dBm, 0.1db stepping	
	MER	> 43db	
	Shoulder Level	>56dB	
System	LCD display, keyboard and web Network management		
	Supporting software upgrading through network		
	Temperature	0~45℃(operation), -20~80℃(storage)	
	Power supply	AC 220V±10%,50/60Hz	

Principle Chart



Shoulder Level with DPD enabled:



MER:



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