



**TY-2613A 1W/30dBm
MMDS Indoor Digital Transmitter**

Technical Specification
V3.01

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Overview



Outline

Thanks for choosing our products.

TY-2613A 1W/30dBm MMDS Indoor Digital Transmitter is a kind of digital facility working on S band (2400-2483MHz). This equipment adapted latest generation power amplifier chip LDMOS. It supports both analog and digital modulation and adapts to multiple modulation modes like DVB-S/S2, DVB-T/T2, nQAM, ISDB-T/TB and etc. AGC/ALC function guaranteed the reliable operation of the equipment by maintain constant power output of transmitter. Its LCD display shows the parameters of output power, working voltage and

AGC, can monitor the abnormal values real-time. It also has auto-alarming and lightning-proof functions. As the advantages mentioned above, this equipment can widely apply to point to point and point to multi-point transmission and signal coverage.

Main features:

- With touchable LCD control panel to adjust the key parameters: Output power range, Input level range, AGC range and monitor the abnormal values real-time.
- Adapted new generation power amplifier (transmitting power increased and un-linear distortion effectively decreased).
- Aluminum structural design, with natural heat dissipation or forced air cooling design, equipment operational reliability can be improved.
- Signal debugging design (maintenance can be simply carried out).
- Simple debugging procedure, signal opening can be achieved without specialized instruments.
- Multiple choices in power level and local frequency.
- Extended interface for remote control.
- Small in size, easy for construction and maintenance.

Technical Specifications

Model	TY-2613A	
RF Output Power(P-P)	1W/30dBm	
Shoulder Ratio(dBc)	≥40	64QAM
	≥30	QPSK
RF Output Frequency	2400-2483MHz(frequency band carrier signal takes could be set arbitrarily)	
	Max Bandwidth: within 200MHZ	
RF Output Interface	50Ω/N connector	
	Return Loss: 20dB	
RF Frequency Response	BW: 83MHz	
	Passband Fluctuation: ≤2.0dB	
	Any Within 10MHz: ≤1.0dB	
Group Delay Characteristics	≤40nsec	
Local Frequency	2200MHz(or specified by user)	
	Stability: 1×10^{-6}	

Local Oscillator Phase Noise	$N\Phi \leq -100\text{dBc/Hz}@10\text{KHz}$
IF Input Level	-25~-10dBm
IF Input Frequency	200-283MHz(or specified by user)
IF Input Interface	75Ω/F connector
	Return Loss: 15dB
In-band Spur Restraint	-60dBc(relative signal level)
Automatic Level Control	20dB
Environmental Conditions	Working Temperature Range: -20°C~+45°C
	Humidity: no condensation
	Relative Humidity: 0~95% nonsaturation
Working Voltage	AC 220V±10%,50/60Hz
Packaged Size (L*W*H)	95*64*50cm
Packaged Weight(Kg)	65kg