

MX^D SERIES

The evolution of 40+ years of experience

SIMPLICITY • RELIABILITY • MODULARITY • SERVICEABILITY

MXD 3V

3 Watt Digital VHF
Transmitter / Translator



***FCC Certified**

Frequency Agile

**8VSB ATSC Modulator
(with Upconverter) or
Transcoder / REGEN**

Broadband, Class AB Amplifier

**Adjacent Channel
Operation Capable**

**Linear, Regulated
Power Supply**

Channel Mask Filter

LARCAN

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MXD 3V - FCC Certification No.:
BZ5MXD10V

MXD 3V SPECIFICATIONS

THE **MXD Series** IS THE NEW STANDARD IN BROADCAST TRANSMITTERS. DESIGNED UPON THE PRINCIPLES OF

- SIMPLICITY
- RELIABILITY
- MODULARITY
- SERVICEABILITY

THEY ARE BUILT TO LAST. PERIOD.

BROADBAND DESIGN

WITH STATE-OF-THE-ART BROADBAND AMPLIFIERS.

LINEAR, REGULATED POWER SUPPLY

RESPONSIBLE FOR PROVIDING DEPENDABLE, UNINTERRUPTED SERVICE WITH MINIMAL MAINTENANCE REQUIREMENTS AND MAXIMUM SURGE PROTECTION - TO KEEP YOU ON THE AIR.

FIELD TESTED FOR DIGITAL

THE AMPLIFIERS COME FROM THE LARCAN FIELD-TESTED GENERATION OF DTV TRANSMITTERS, WHICH MAKES THE **MXD Series** THE EQUIPMENT OF CHOICE FOR THE FUTURE.

Due to continuous product improvements, specifications subject to change without notice.

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Transmitter - ATSC

Output	Power	3W
	Frequency	54-88 MHz 174-216 MHz
	Output Connector	N-Type
	Out-of-Band Emissions	FCC mask
	Signal-to-Noise	27dB
	Pilot Phase Noise	-101 dBc/Hz (20kHz offset)
	Pilot Carrier Frequency Stability	10kHz

Input	Interface	SMPTE310M
	Bit Rate	19.39 MB/s
	Symbol Clock Frequency	10.762238 MHz
	Impedance	75 Ohms

General	Power Requirements	275 Watts
	Voltage	95-130 VAC
	Dimensions	h w d
	(inches)	7 19 17.125
	Temperature Range	0 to 45 C
	Humidity	95%

Translator - ATSC

Output	Power	3W
	Frequency	54-88 MHz 174-216 MHz
	Output Connector	N-Type
	Out-of-Band Emissions	FCC mask
	Signal-to-Noise	27dB
	Pilot Phase Noise	-101 dBc/Hz (20kHz offset)
	Pilot Carrier Frequency Stability	10kHz

Input	Frequency Range	54-806 MHz
	Connector	F-Type
	Input level	-78 to -8 dBm/6MHz
	Impedance	75 Ohms

General	Power Requirements	100 Watts
	Voltage	95-130 VAC
	Dimensions	h w d
	(inches)	7 19 17.125
	Temperature Range	0 to 45 C
	Humidity	95%

*NOTE: For more detailed translator specifications, please refer to the 8VSB REGEN Transcoder Datasheet.

