

DRAGON™

DUAL BAND 5 WATT PORTABLE TRANSMITTER

Dragon™ is a lightweight, (under 15 lbs) AC or DC powered transmitter system composed of dual independent, 5-watt transmitter modules giving the user freedom to transmit on any 2 frequency bands from anywhere without expensive and bulky additional transmitters. Each Dragon is housed in a high impact ABS water resistant case. Each transmitter module has a built-in agile frequency synthesizer, dynamically controlled power amplifier and remote control of all transmitter parameters via an IR remote controller. Remote adjustments include power level, channel or frequency assignment and transmit On/Off.

FEATURES

- Two independent removeable transmitter modules
- Weighs only 15 pounds
- Built-in thermal overheat protection for amplifier
- Powered from 110/240 VAC 50/60 Hz or external 12-13.8 VDC, 6 amp source
- Adjustable power output from 0 dBm to 37 dBm with accuracy of ± 0.5 dBm and 0.1 dBm resolution
- Water resistant, rugged 15" x 12" x 5" ABS plastic case
- Power levels, channels and frequencies are controlled from the front panel with soft-keys
- 640 x 240 reflective LCD (1/2 VGA)
- VSWR antenna protection and internal power meter measurement for precise output power control
- Battery backed-up SRAM stores all user selectable parameters in the event of a power loss
- All parameters adjustable remotely via IR remote controller

Perfect for
WiMAX studies



WiMAX

AWS

Cellular

Paging

PCS

ETACS

iDEN

SMR

ISM

GSM

LMR

WCS

Call us today for more information:
TOLL FREE 1-888-737-4287 / Fax: (732) 548-3404
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Clarifying RF
**BERKELEY
VARITRONICS
SYSTEMS®**
Forward Thinking Solutions for Your RF System

DRAGON™



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*Each Dragon may contain any two of the supported module configurations below:

FREQUENCY RANGES:

Cellular, WiMAX, LMR, Paging, SMR, GSM, ISM, WCS, iDEN, AMPS, PACS, ETACS, IS-136, AWS and more Frequencies available in 5 Watt module (frequencies in green and frequencies in red) combinations:

450 - 700 MHz

700 - 800 MHz

800 - 960 MHz

Tuneable in frequency step sizes of 2.5 kHz, 5 kHz, 10 kHz, 15 kHz, 20 kHz, 25 kHz, 50 kHz and 200 kHz.

1805 - 1880 MHz

1850 - 2170 MHz

2.3 - 2.5 GHz

2.5 - 2.7 GHz

3.4 - 3.7 GHz

4.9 - 5.0 GHz

5.150 - 5.350 GHz

5.7 - 5.8 GHz

Tuneable in frequency step sizes of 5 kHz, 10 kHz, 15 kHz, 20 kHz, 25 kHz, 50 kHz and 200 kHz.

*Please inquire about custom frequency modules not listed above for Dragon.

DISPLAY	640 x 240 LCD (1/2 VGA)	
STABILITY	Stability better than 2.5 PPM for first year, \pm for 1 PPM for aging	
OUTPUT POWER	Adjustable from 0 dBm to 37 dBm with:	accuracy of \pm 0.5 dBm resolution 0.1 dBm
POWER ADJUSTMENTS	Continuously adjustable via rotary knob or direct keypad entry in .1 dBm increments over 37 dBm range	
SPURIOUS REJECTION	> 55 dBc	
HARMONICS REJECTION	> 40 dBc	
POWER:	External source 12-13.8 VDC, 6 amp	Covers all frequencies
	or	
	Internal 110 or 240 VAC 50/60 Hz	Available up to 3.8 GHz
INCLUDES	2 Antennae (Type N female outputs) and PC CD-ROM Software	
OPTIONS	Internal or External power (see below)	

Dragon may be optionally powered directly with 110 or 240 VAC power. Some frequencies do not support internal power.

**INTERNAL
POWER
OPTION**



Dragon may be optionally powered through its DC power input using the supplied external AC/DC power supply.

**EXTERNAL
POWER
OPTION**



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