

DRAGON™

DUAL BAND 5 WATT PORTABLE TRANSMITTER

Dragon™ is a lightweight, (11.2 lbs fully loaded) AC/DC powered transmitter system composed of dual, independent, 5-watt transmitters 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 with independent built-in agile frequency synthesizers, dynamically controlled power amplifiers 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.

perfect for
WiMAX studies



WiMAX

AWS

Cellular

Paging

PCS

FEATURES

- Two independent transmitters in one portable unit
- Weighs only 11.2 pounds fully loaded
- Built-in thermal overheat protection for amplifier
- Powered from BOTH internal 110/240 VAC 50/60 Hz and external 12-13.8 VDC, 6 amp source
- Adjustable power output from 0 dBm to 37 dBm with accuracy of ± 0.5 dB and 0.1 dB 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

ETACS

iDEN

SMR

ISM

GSM

LMR

WCS

Call us today for more information:
TOLL FREE 1-888-737-4287 / (outside U.S. & Canada) +1 732-548-3737
www.bvsystems.com
sales@bvsystems.com

**BERKELEY
VARITRONICS
SYSTEMS**
Clarifying RF
Providing wireless solutions for over 37 years

DRAGON™



DUAL BAND 5 WATT PORTABLE TRANSMITTER

FREQUENCY RANGES:

Cellular, WiMAX, LMR, Paging, SMR, GSM, ISM, WCS, iDEN, AMPS, PACS, ETACS, IS-136, AWS and more available in 5 Watt modules:

DRAGON DUAL TRANSMITTER

Pick any combination of two modules

150 - 250 MHz	5 Watts, step 12.5 kHz and 5 kHz
400 - 550 MHz	5 Watts, step 12.5 kHz and 5 kHz
550 - 690 MHz	5 Watts, step 12.5 kHz and 5 kHz
690 - 960 MHz	5 Watts, step 12.5 kHz and 5 kHz
1700 - 2200 MHz	5 Watts, step 5 kHz and 50 kHz
2400 - 2700 MHz	5 Watts, step 5 kHz and 50 kHz
3400 - 3700 MHz	5 Watts, step 5 kHz and 50 kHz
4900 - 5000 MHz	5 Watts, step 25 kHz and 50 kHz
5150 - 5350 MHz	5 Watts, step 25 kHz and 50 kHz
5725 - 5825 MHz	5 Watts, step 25 kHz and 50 kHz



DRAGON SINGLE TRANSMITTER

Pick any single module

150 - 250 MHz	5 Watts, step 12.5 kHz and 5 kHz
400 - 550 MHz	5 Watts, step 12.5 kHz and 5 kHz
550 - 690 MHz	5 Watts, step 12.5 kHz and 5 kHz
690 - 960 MHz	5 Watts, step 12.5 kHz and 5 kHz
1700 - 2200 MHz	5 Watts, step 5 kHz and 50 kHz
2400 - 2700 MHz	5 Watts, step 5 kHz and 50 kHz
3400 - 3700 MHz	5 Watts, step 5 kHz and 50 kHz
4900 - 5000 MHz	5 Watts, step 25 kHz and 50 kHz
5150 - 5350 MHz	5 Watts, step 25 kHz and 50 kHz
5725 - 5825 MHz	5 Watts, step 25 kHz and 50 kHz

***Custom frequency bands available upon request**

DISPLAY	640 x 240 LCD (1/2 VGA)
STABILITY	Stability better than 1.5 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 dB resolution of 0.1 dB
POWER ADJUSTMENTS	Continuously adjustable via rotary knob or direct keypad entry in .1 dB increments over 37 dBm range
SPURIOUS REJECTION	> 55 dBc
HARMONICS REJECTION	> 40 dBc
POWER:	Internal 110 or 240 VAC 50/60 Hz and External source 12-13.8 VDC, 6 amps
INCLUDES	Infrared remote control, IR sensor cable, Serial cable, 12VDC Power cable, PC Software & User's manual

**AC/DC
INPUT
POWER
SELECTABLE**



Older Dragon models requiring DC power input use the supplied external AC/DC power supply.



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