

DRAGON™

DUAL BAND 5 WATT PORTABLE TRANSMITTER

Dragon™ is a lightweight, (under 15 lbs) AC 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 its USB port connected to any PC. Remote adjustments include power



WiMAX

AWS

Cellular

Paging

PCS

ETACS

iDEN

SMR

ISM

GSM

LMR

WCS

FEATURES

- Two independent CW transmitter modules
- Weighs only 11 pounds fully loaded
- Built-in thermal overheat protection for amplifier
- Powered from internal power supply 110/240 VAC 50/60 Hz
- 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-key
- 640 x 240 reflective LCD (1/2 VGA)
- All parameters adjustable remotely via USB port connected to any PC



DUAL BAND 5 WATT PORTABLE TRANSMITTER

DRAGON DUAL BAND - PICK ANY SINGLE MODULE

150 - 250 MHz 5 Watts, step 12.5 kHz & 5 kHz
400 - 550 MHz 5 Watts, step 12.5 kHz & 5 kHz
550 - 690 MHz 5 Watts, step 12.5 kHz & 5 kHz
690 - 960 MHz 5 Watts, step 12.5 kHz & 5 kHz
1700 - 2200 MHz 5 Watts, step 5 kHz & 50 kHz
2300 - 2700 MHz 5 Watts, step 5 kHz & 50 kHz
3400 - 3700 MHz 5 Watts, step 5 kHz & 50 kHz
4900 - 5000 MHz 5 Watts, step 25 kHz & 50 kHz
5150 - 5350 MHz 5 Watts, step 25 kHz & 50 kHz
5725 - 5825 MHz 5 Watts, step 25 kHz & 50 kHz

1

CHOOSE
YOUR
DRAGON
MODULE

2

DRAGON DUAL BAND - PICK ANY 2 MODULE COMBO 150 - 250 MHz

5 Watts, step 12.5 kHz & 5 kHz
400 - 550 MHz 5 Watts, step 12.5 kHz & 5 kHz
550 - 690 MHz 5 Watts, step 12.5 kHz & 5 kHz
690 - 960 MHz 5 Watts, step 12.5 kHz & 5 kHz
1700 - 2200 MHz 5 Watts, step 5 kHz & 50 kHz
2300 - 2700 MHz 5 Watts, step 5 kHz & 50 kHz
3400 - 3700 MHz 5 Watts, step 5 kHz & 50 kHz
4900 - 5000 MHz 5 Watts, step 5 kHz & 50 kHz
5150 - 5350 MHz 5 Watts, step 5 kHz & 50 kHz
5725 - 5825 MHz 5 Watts, step 5 kHz & 50 kHz

***Please inquire about custom frequency modules**

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 3 dBm with: accuracy of $\pm$ 0.5 dBm resolution of 0.1 dBm
OUTPUT CONNECTOR	'N' Female, 50 Ohm
SPECTRAL PURITY PHASE NOISE	-88 dBc/Hz @ 10 kHz offset
1 GHZ TYPICAL	-115 dBc/Hz @ 100 kHz offset
SPURIOUS REJECTION	> 50 dBc
HARMONICS REJECTION	> 25 dBc
OPERATING TEMPERATURE	-20 degrees C to 35 degrees C
REMOTE CONTROL	All remote adjustments (power, frequency, range, etc.) can be made via USB connected to any PC
POWER:	Internal 100 or 240 VAC 50/60 Hz power supply
INCLUDES	2 Antennae (type 'N' female outputs) & PC software
OPTIONS	Pure sine power inverter 600 watts 12 VDC to 120 VAC power