

## FOR SALE

### 2x used Xicom 200W Linear KU-Band Outdoor High Power Solid State Power Amplifiers

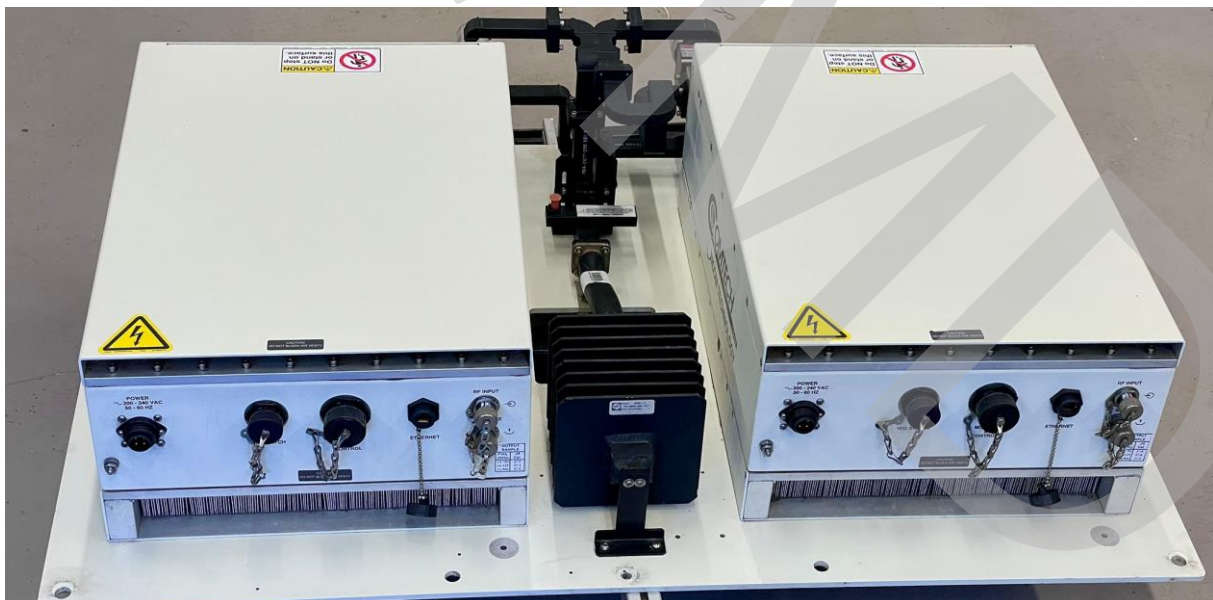
#### Coming with:

Waveguide switch and dummy load  
1x Xicom XTC-114D digital antenna controller

SSPAs were built in April 2019  
Last transmission in June 2023

#### Features:

200W linear output power  
High efficiency GaN design  
Compact, rugged 22kilogram package for mobile applications  
Operates over  $-40^{\circ}$  to  $+60^{\circ}$  Celsius environment  
Frequency range: 13,75 – 14,50 GHz



#### Price on request:

Excl. VAT

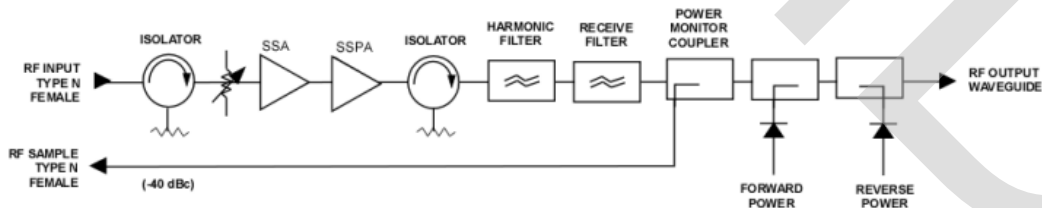
Excl. shipping & insurance costs

Excl. custom fees

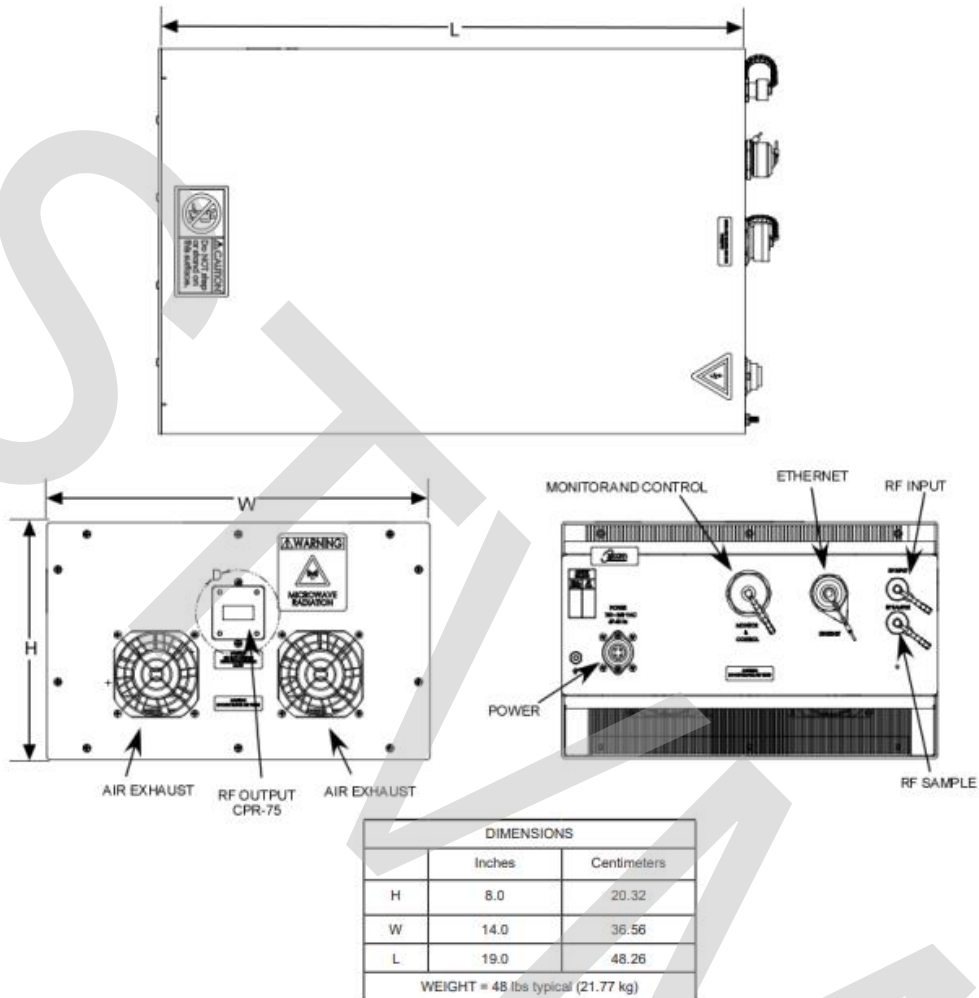
**Technical specifications Xicom 200W KU-Band SSPAs:**

Parameters	XTSLIN-200K
FREQUENCY RANGE	13.75 to 14.5 GHz
OUTPUT POWER	
P <sub>SAT</sub> (Peak, typical)	400 W (56.0 dBm)
P <sub>LIN</sub> (Minimum)	200 W (53.0 dBm)
GAIN	
Factory configurable small-signal gain	70 dB Typical
Field-user adjustable attenuation range	20 dB min, 0.1 dB steps
Maximum SSG Variation Over	
Narrow Band	±0.5 dB Pk-Pk/40 MHz
Full Band	3.0 dB Pk-Pk
Slope (maximum)	0.05 dB/MHz
Stability, 24 hr. (maximum)	± 0.25 dB
Stability, Temperature (maximum)	± 2.0 dB over temperature range at any frequency
INTERMODULATION (maximum) WRT to sum of two equal carriers (2.6 MHz separation)	-25 dBc @ P <sub>LINEAR</sub>
SPECTRAL REGROWTH @ Linear Power (symbol rate 2.0 MHz)	-26 dBc, 1 SR, OQPSK
HARMONIC OUTPUT (maximum)	-60 dBc
AM/PM CONVERSION (maximum)	2.0 deg/dB at Linear Power
NOISE POWER (maximum)	
Transmit Band	-75 dBW/4 kHz
Receive Band (10.75 to 12.75 GHz)	-150 dBW/4 kHz
IN-BAND DISCRETE SPURIOUS	
AC Power Line	Sum of fundamental and harmonic < -30 dBc
Single Sideband	Sum of all other spurs < -36 dBc
OUTPUT SPURIOUS @ P <sub>LIN</sub>	-60 dBc
VSWR	
Input (maximum)	1.5:1
Output (maximum)	1.3:1

**BLOCK DIAGRAM**



## DIMENSIONS



## PRIME POWER

180 to 260 VAC  
47 to 63 Hz, Single Phase  
1450 VA Typical @  $P_{LIN}$

## ENVIRONMENT

NONOPERATING TEMPERATURE RANGE	-50°C to +70°C
OPERATING TEMPERATURE RANGE	-40°C to +60°C (2°C/1000 Feet Derating)
HUMIDITY	Up to 100% Condensing
ALTITUDE	12,000 Feet MSL Max.
SHOCK AND VIBRATION	Normal Transportation
COOLING	Forced Air

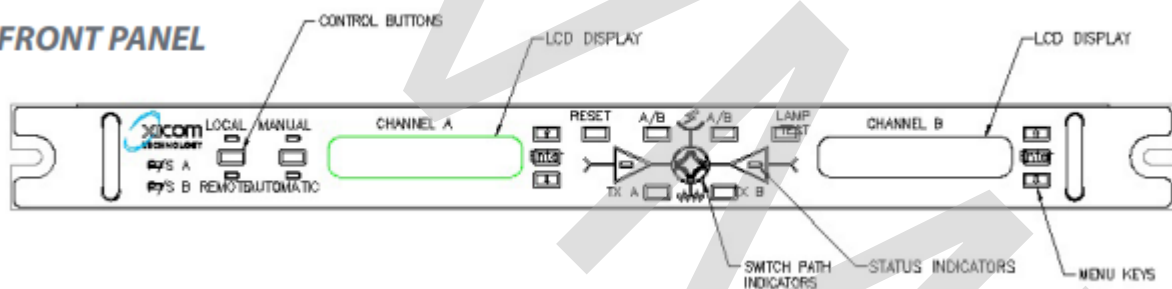
## INTERFACE

Type	Function	
REMOTE CONTROL	Transmit ON/OFF RF Attenuation Summary Fault	RF Inhibit Fault Reset
REMOTE STATUS	Transmit ON RF Output Power Reflected Power	Temperature Fault Identification
Solid State Relay	Summary Fault	
COMPUTER	Hardware Interface:	2 Ports: RS-232 & RS-422/485 Ethernet
SERIAL PORT	Xicom Command Set	ASCII Commands
RF MONITOR PORT	-40 dB Coupling Value (Nominal)	

### Technical specifications Xicom XTC-114D Antenna Controller:

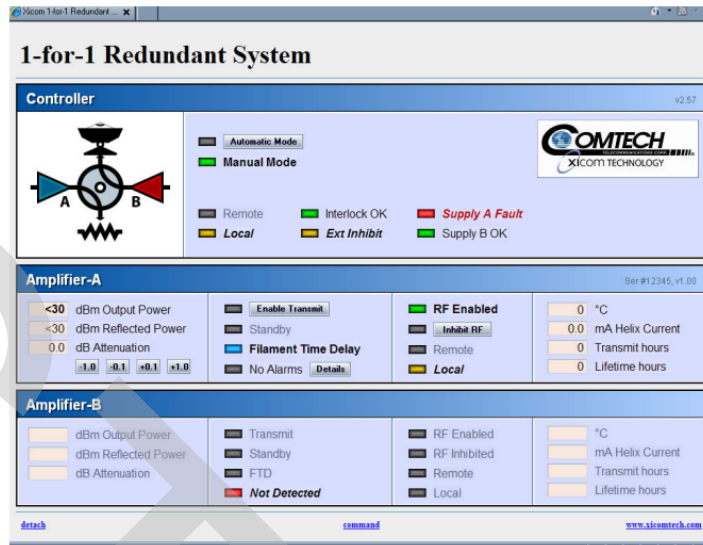
- Full amplifier status and control
- Remote / Local control via serial or parallel interface
- Full Amplifier Status Front Panel Digital Display
- Compact 1RU Design

### FRONT PANEL

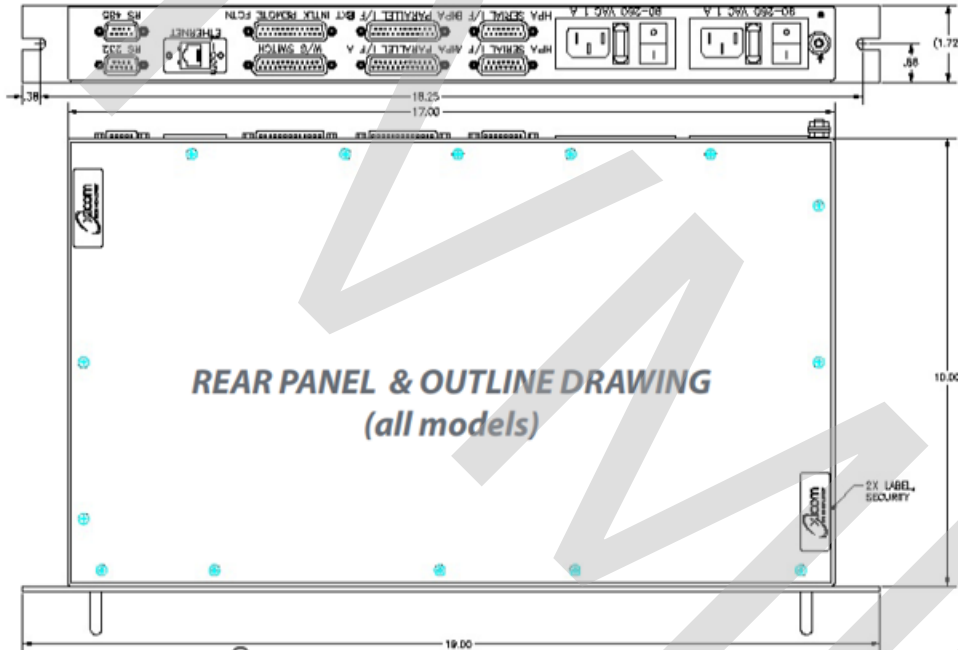


The XTC-114D controller is compact and requires only one rack unit (1 ¼ inches) of space in a standard 19-inch rack. By providing a single interface point, users can communicate with both amplifiers by connecting a single RS-232 or RS-422/485 serial connection or an Ethernet connection to the controller rear panel. The front panel status and control functionality is available through both the serial and Ethernet connections. The two-line front panel display shows the status for each amplifier, including TWT temperature, helix current, forward and reverse power (assuming the forward power option is purchased with the amplifier) and more. The XTC-114D controller is user configurable for single thread, 1:1 redundant operation or 1+1 (hybrid combiner) operation, which makes it the most versatile controller we offer. Also, using the XTC-114D along with a single amplifier (1:0) allows a flexible upgrade path to a redundant system (1:1) later. New: optional web browser interface allows remote monitor and control via standard web browser (IE 6.0 or later).

1RU Controller	Configurations Supported
XTC-114D	<ul style="list-style-type: none"> <li>1:0 (single amp), 1:0 (two single amps)</li> <li>1:1 Redundant System</li> <li>1+1 (Hybrid Combiner/Switch-Around)</li> </ul>



Screen shot of optional web browser interface

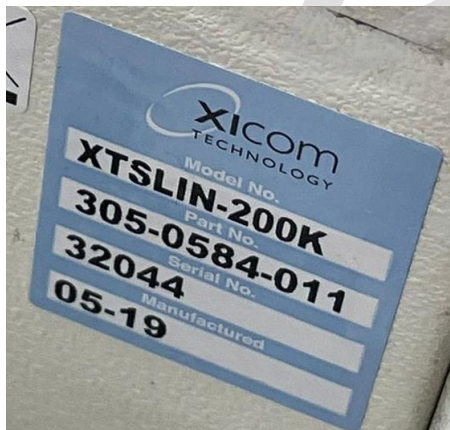


Pictures of the equipment:



sports tv media  
distribution

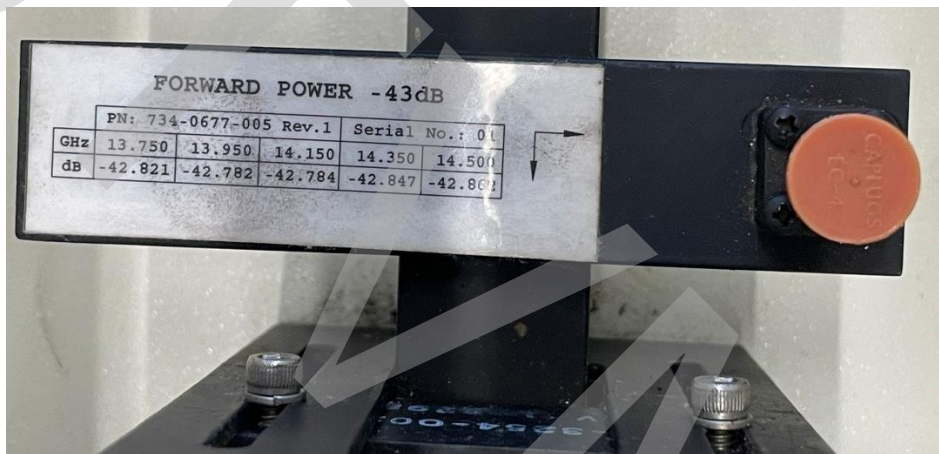
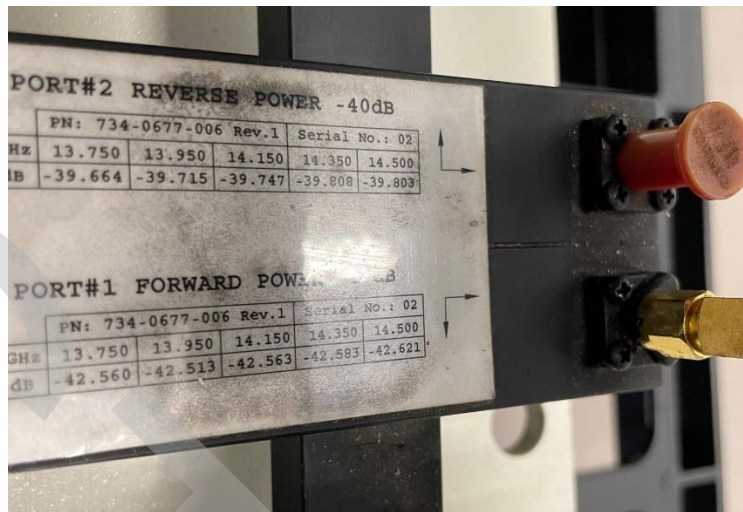
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For sale: 2x used Xicom 200W Linear KU-Band Outdoor High Power Solid State Power Amplifiers

# sports tv media distribution

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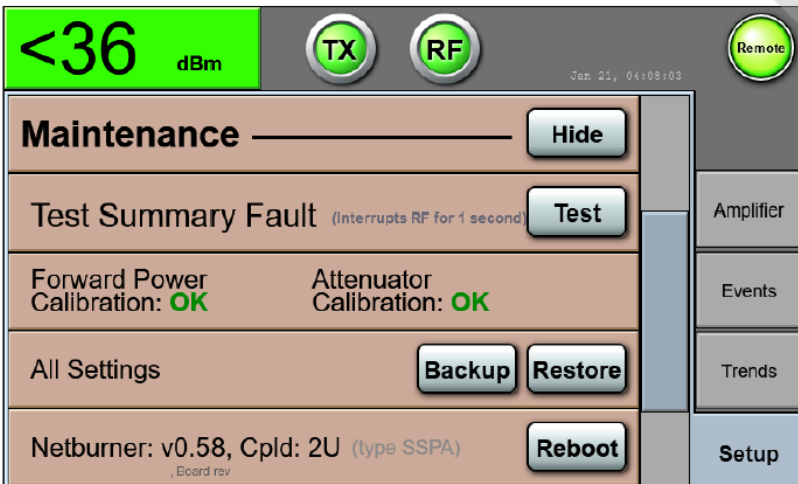
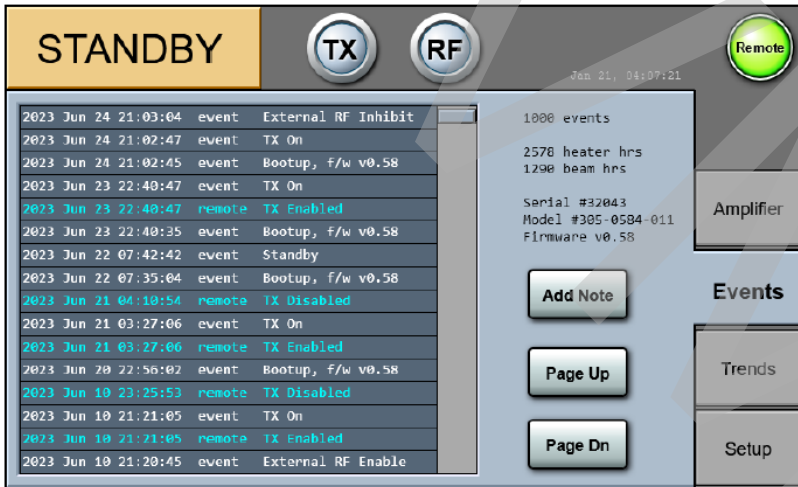
For sale: 2x used Xicom 200W Linear KU-Band Outdoor High Power Solid State Power Amplifiers







Serial #32043  
Model #305-0584-011  
Firmware v0.58  
2578 heater hrs  
1290 beam hrs



Serial #32044  
Model #305-0584-011  
Firmware v0.58

2581 heater hrs  
1284 beam hrs

**STANDBY** TX RF Remote

Jan 21, 14:12:19

2023 Jun 24 23:57:31	remote	TX Disabled
2023 Jun 24 21:35:28	event	External RF Enable
2023 Jun 24 21:35:28	event	External RF Inhibit
2023 Jun 24 21:35:07	event	TX On
2023 Jun 24 21:35:05	event	Bootup, f/w v0.58
2023 Jun 23 23:13:11	event	TX On
2023 Jun 23 23:13:11	remote	TX Enabled
2023 Jun 23 23:12:58	event	Bootup, f/w v0.58
2023 Jun 22 08:15:03	event	Standby
2023 Jun 22 08:07:21	event	Bootup, f/w v0.58
2023 Jun 21 04:43:14	remote	TX Disabled
2023 Jun 21 03:59:26	event	TX On
2023 Jun 21 03:59:26	remote	TX Enabled
2023 Jun 20 23:28:21	event	Bootup, f/w v0.58
2023 Jun 10 23:58:03	remote	TX Disabled
2023 Jun 10 21:53:10	event	TX On

1000 events  
2581 heater hrs  
1284 beam hrs  
Serial #32044  
Model #305-0584-011  
Firmware v0.58

Add Note  
Page Up  
Page Dn

Amplifier  
Events  
Trends  
Setup

<27 dBm TX RF Remote

Jan 21, 14:13:41

Maintenance Hide

Test Summary Fault (Interrupts RF for 1 second) Test

Forward Power Calibration: OK Attenuator Calibration: OK

All Settings Backup Restore

Netburner: v0.58, Cpld: 2U (type SSPA) Reboot

Board rev

Amplifier  
Events  
Trends  
Setup

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**distribution**

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