

ELECTRONIC WARFARE

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www.EmpowerRF.com



LIQUID COOLED SYSTEMS

- ▶ Hundreds of Kilowatts of Pulse and CW Power
- ▶ No Single Point of RF Failure
- ▶ Distributed Power Supplies
- ▶ SSPA "on air" Hot Swapping
- ▶ Asymmetrical and Random Pulse Width and Duty Cycle Operation
- ▶ Short and Long Pulse Capabilities - 100ns up to 500usec with 500KHz PRF's and 20% Duty Cycles



AIR COOLED SYSTEMS



- ▶ Multi-Mode
- ▶ Mission Scenario Configurable
- ▶ Pre-loaded Jamming Modes
- ▶ Field Proven in Mobile Applications
- ▶ High MTBF's
- ▶ Best in Class SWaP
- ▶ CW & Pulse
- ▶ Long Duty Cycles Available

MODULES

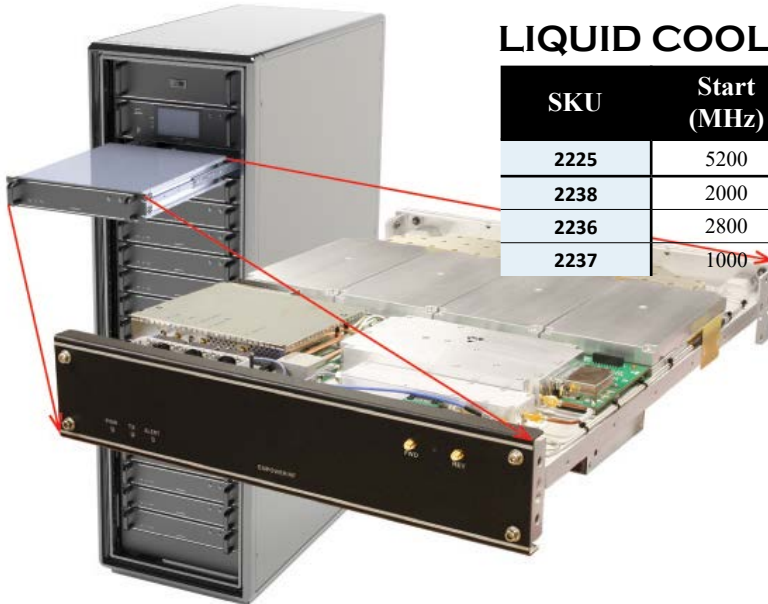


- ▶ Established Performance
- ▶ Feature Rich with Digital or Analog Controls
- ▶ Built in Protections
- ▶ 48V Models Available
- ▶ Rugged and Highly Reliable
- ▶ Custom Designs Available

**EMPOWER'S AMPLIFIERS ARE TACTICALLY
DEPLOYED AND OPERATING ON MULTIPLE
LEVELS IN SUPPORT OF DOD MISSIONS**

AIR COOLED SYSTEMS

SKU	Start (MHz)	Stop (MHz)	Pout (Watt)	Gain (dB)	Size
2203	1	30	1000	60	R5U
2162	20	1000	1000	63	R5U
2210	150	450	12000 Pulse	73	R19U
2202	500	2500	1000	60	R8U
2223	500	6000	150	53	R5U
2180	1000	2500	2000	64	R5U+R3U
2170	1000	3000	1000	63	R5U
2215	1900	6000	200	53	R5U
2214	2900	3500	8000 Pulse	70	R5U+R5U+R3U+R1U
2211	2700	3100	1200 Pulse	62	R3U
2217	5200	5900	8000 Pulse	70	R17U
2221	9000	10000	10000 Pulse	70	R18U



LIQUID COOLED SYSTEMS

SKU	Start (MHz)	Stop (MHz)	Pout (Watt)	Gain (dB)	Size
2225	5200	5900	90000 Pulse	80	R40U x 2
2238	2000	4000	12000 Pulse	76	R40U
2236	2800	3500	24000 CW	74	R40U x 2
2237	1000	2000	40000 Pulse	81	R40U

MODULES 48VDC

SKU	Start (MHz)	Stop (MHz)	Pout (Watt)	Gain (dB)	Size (Inch)
1213	1	30	50	53	7.0x4.0x1.12
1193	20	1000	100	53	7.0x4.0x1.2
1211	500	2500	100	57	7.0x4.0x1.1
1219	500	6000	25	62	7.0x4.0x1.1
1199	1000	3000	100	61	7.0x4.0x1.1
1197	2000	6000	50	61	7.0x4.0x1.1

