

High Power GaN and LDMOS Amplifiers



RADITEK's Raditek's NEW family of high power GaN and LDMOS amplifiers are the most advanced available. The one shown is RAMP-1.6-39M-5KW, which delivers both Class A or Class AB (with Class A-like performance) for 5KW PEP (Peak Envelope Power) and 5KW average power too. It consists of 8 combined power amplifiers (SSPA, for better cooling, and the ALC (automatic level control) maintains full output power, even if one of the SSPAs or power supplies fails-giving it superb reliability, at no extra cost. The amplifier is so stable, that it can work into VSWRs up to 60:1 without damage! It is protected against poor VSWRs, of course. RF noise is better than 75dBc/Hz below the 5KW level. Harmonics are better than -65dBc. We can supply with an exciter if needed, with up to 20ms switching. Remote monitoring via Internet plus M&C plus extensive BITE-(Built In Test Equipment) is accessed via RS/232C, USB etc. Built to comply with MIL-STD-188-141. Please contact the factory for full specification.

RADITEK specializes in RF Design and Development of "High Volume / Low Cost" Microwave, Wireless and Telecom Broadband Components, Assemblies and Systems. Please see our website at www.Raditek.com or email us at Sales@Raditek.com with any questions you may have.