

Endurance solid-state C-Band radar

Keep pace with the cutting edge of radar technology

In partnership with Enterprise Electronics Corporation (EEC), The Weather Company, an IBM Business, offers Endurance C, a solid-state C-Band radar solution that represents the world's most advanced weather radar technology. Wherever in the world there is complicated, diverse weather demands, solid-state C-Band radar technology can ease the burden on media companies to deliver proprietary, actionable data to keep viewers engaged, entertained and confidently informed of incoming weather events.



Endurance C systems provide ultra-wideband performance and low lifecycle costs thanks to its advanced solid-state power amplifiers, which operate in the widest-available C-Band frequency range. For geographic areas with diverse and dynamic weather conditions, virtually nothing offers greater ROI and performance than Endurance C.

Benchmark global standard

The turn-key design, manufacturing, and installation processes allow the system to be customized. Among the many options are single- or dual-polarity transmitters and a variety of full-featured control and display systems. For a clean and true picture of mid- to long-range weather events, the C-Band system can be matched to the precise Doppler processing of EEC's super-sensitive IQ2 signal processor and digital receiver. Even the installation and radome can be customized to best fit your environmental needs.

Fully integrated with Max

Our exclusive arrangement with EEC provides for the full integration of EEC radar data plus command and control of these radars directly into The Weather Company's Max graphics system. During breaking weather, this improved workflow can save precious seconds when conveying life-saving information to viewers. Also, on-air visualizations of full-resolution data types are virtually guaranteed for EEC radars, including radial velocity, base reflectivity, differential radial velocity, spectrum width, correlation coefficient, and HydroMeteor classification.

EEC radars are designed to provide much higher resolution and more frequent updates than the data available from existing National Weather Service radars. Keep pace with the cutting edge of radar technology today with an Endurance C solid-state C-Band radar solution from The Weather Company and EEC.



C-Band advantages

- Seamless integration with Max
- Fully solid-state transmitter
- Reduced life-cycle maintenance costs
- Ultra-wideband performance: 5200 - 5900 MHz
- Safe, low voltage solid-state power amplifiers
- Hot-swapping of solid-state power amplifiers

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