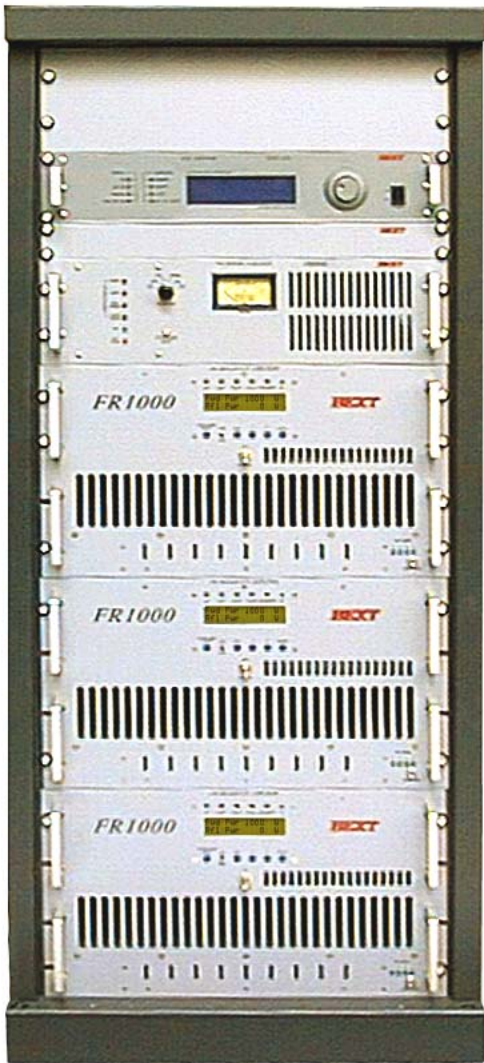


**FR 2000, FR 3000
FR 4000, FR 5000 & FR 6000***FM Broadband MOSFET
Amplifiers / Transmitters*

FR 3000 Shown

- Totally modular, composed of FR 1000 amplifiers
- State of the art combiner system
- Very high efficiency PA, typically capable of more than rated output power with relatively low input
- Automatic gain control providing fixed output power even in case of fluctuating drive power
- Modules coupled through a Wilkinson splitter and combiner through Strip-Line Technology
- High reliability and consistent performance standard achieved among the various units due to total absence of tuning requirements
- VSWR, excessive temperature and excessive drive power protection, with indicator lights
- Compact size with built-in high-efficiency switching power supply, providing easy access and an overload reset system with indicator lights
- Meets or exceeds all FCC & CCIR requirements
- Easily replaceable standard components
- Proportional Auto-Foldback of output power in the event of excessive VSWR
- Full remote control and telemetry capability, with all main parameters on rear terminal board

Amplifiers' Technical Specifications

(For audio specifications and features on Transmitter versions, pls. see Exciter pages. FR 2000 to FR 6000 Series Transmitters normally shipped with XT Series Exciters. Any other Bext Exciter available upon request).

Frequency range:	87.5-108 MHz
Rated Output Power:	2kW (FR 2000) • 3kW (FR 3000) • 4kW (FR 4000) • 5kW (FR 5000) • 6 kW (FR 6000)
RF Output Connector/Impedance:	7/8 (FR 2000 & FR 3000) • 1 5/8 (FR 4000, FR 5000 & FR 6000)
RF Input Connector / Impedance:	Type "N" / 50 Ohm into RF Amplifier System
Spurious & Harmonic Suppression:	Meets or exceeds all FCC and CCIR requirements
AC Input power:	FR 2000 & FR 3000: 100-130V S. Phase or 198-250V Single or Three Phase, 50-60 Hz
(others available on request)	FR 4000, FR 5000 & FR 6000: 198-250V, 50-60 Hz, Single or Three Phase
Approx. Power Consumption:	4.5kVA (FR 2000), 7kVA (FR 3000), 9.5kVA (FR 4000), 11kVA (FR 5000), 13.5kVA (FR6000)
Approx. RF Drive Required:	30W (FR 2000) • 60W (FR 3000) • 90W (FR 4000) • 100W (FR 5000) • 130 W (FR 6000)
Cabinet Dimensions:	FR 2000: 565 mm (22") W x 1005 mm (40") H x 850 mm D (34") FR 3000: 565 mm (22") W x 1365 mm (54") H x 850 mm D (34") FR 4000: 565 mm (22") W x 2150 mm (85") H x 850 mm D (34") FR 5000: 565 mm (22") W x 2150 mm (85") H x 850 mm D (34") FR 6000: 565 mm (22") W x 1365 mm (40") H x 850 mm D (34") (x 2 cabinets)
Weight:	442 lbs, 192 Kg (FR 2000) • 572 lbs, 260 Kg (FR 3000) • 726 lbs, 330 Kg (FR 4000) • 858 lbs, 390Kg (FR 5000) • 1188 lbs, 540 Kg (FR6000)
Ambient Temperature Range:	0° C to 45° C (32° F to 113° F)
Maximum Humidity:	90%, non-condensing