



- 0 to 30W ALC adjustable via front panel
- Instant front panel programmability in 10 kHz increments
- High frequency stability is ensured by the Phase Locked Loop circuit with a minimal drift quartz crystal
- Power, deviation, and frequency are controlled and shown on LCD front panel
- Software for monitoring remote control features including internal temperature, turning transmitter off/on, and changing transmit frequency is provided ( Optional )

- Compact 2 + 1 units (three rack spaces total) 19" rack
- AC/DC switching power supply
- 24 V DC capability ( on NT30)
- MOSFET technology inside
- FSK ID Keyer optional
- Transmitter remote control capability (RS232) ( optional )
- FCC and I.C Certified

### NT 30 Specifications

**Frequency Range:** 87.5 – 108 Mhz  
**Output Impedance:** 50 ohm  
**Output Connector:** type 'N' female  
**Frequency Stability:** > 5 ppm ( $\pm 500$ Hz)  
**Harmonic Frequencies Level (ref. to carrier):** < -80 dB  
**Spurious Frequencies Level (ref. to carrier):** < -90 dB  
**Input Impedance:** 600 ohms or greater (max 2 Kohms)  
**Input Level:** -3.5 V pp (1,237 Vrms/3.64 dBm).  
**Mono Input ( with pre-emphasis):** pre-emphasis 50/75m s bandwidth 30Hz – 15kHz  
**FM S/N Ratio** > 70 dB at  $\pm 75$  KHz  
**Stereo Input (flat):** bandwidth 20 Hz – 100kHz  
**Linearity (input at 500 Hz):**  
 dev: 20Hz – 40kHz < 0.2dB  
 dev: 40kHz – 75kHz < 0.2dB  
**Distortion (THD)**  
 dev: 75kHz 0.05%  
**S/N Ratio** (ref. to 50 kHz / 1000 Hz):  
 mono > 70dB  
 stereo > 68dB  
**Power Supply**  
 operating voltage 110/220  $\pm$  20% Vac 50/60 Hz  
 power consumption 46 / 68 VA  
 battery powered 24 V dc 3 A  
**Operating Conditions** cooling forced ventilation  
 operating temperature 0° - 50° C (32 to 122 F)  
 relative humidity 95% max.  
**Dimensions**  
 weight 11 Lbs / 5 kg  
 width 19" / 483mm  
 height 3.5" / 88mm  
 depth 13" / 327mm

### NLRFM1 Specifications

**Frequency Range:** 87.5 – 108 Mhz  
**Input Impedance:** 50 ohms  
**Input Connector:** type 'N' female  
**Frequency Stability:** <2ppm from - 0° to 50° C (32° to 122° F)  
**Sensitivity:** 100 uV for -50 dB S/N ; 1 mV for -65 dB S/N  
**De-emphasis:** 50 / 75m s  
**Selectivity:** 40 dB @  $\pm 600$  KHz  
**Image Frequency Rejection:** >50dB (tuner); > 80 dB (tuner+filter)  
**Stereo Crosstalk:** > 40 dB  
**Lowest Threshold Squelch:** Selectable ( - 70 dB standard)  
**Distortion with Deviation**  $\pm 75$  kHz < 0.2 %  
**Frequency Linearity** (15Hz – 100 kHz):  $\pm 0.4$ dB  
**Signal to Noise Ratio:** >65dB @  $\pm 75$  KHz  
**Power Supply**  
 operating voltage 110/220  $\pm$  20% Vac 50/60 Hz  
 power consumption 24 VA  
 battery powered (optional) 12Vdc, 1.3A  
**Operating Conditions** cooling conventional  
 operating temperature 0° - 50° C (32 to 122° F)  
 relative humidity 95% max.  
**Dimensions**  
 weight 6 Lbs / 2.7 kg  
 width 19" / 483mm  
 height 1.74" / 44mm  
 depth 14.5" / 365mm