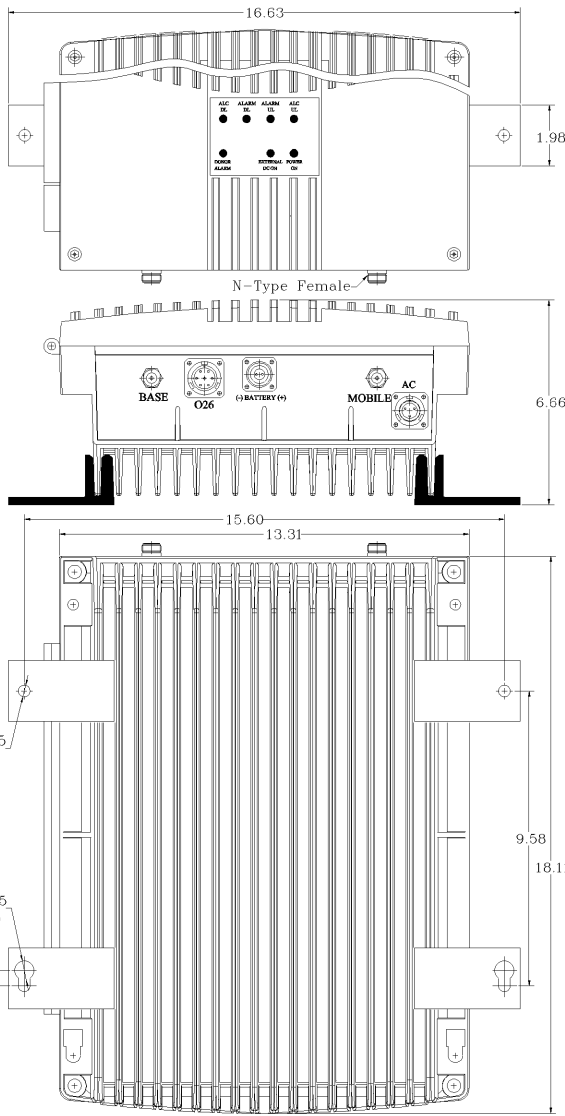
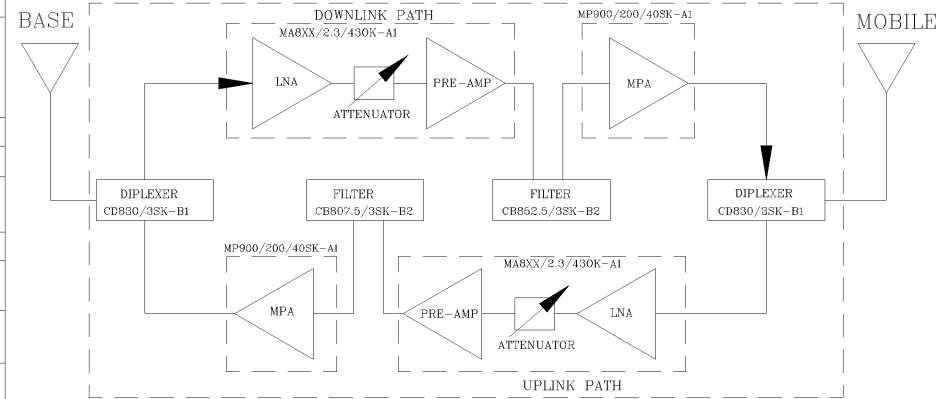


REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	Linearity and power upgraded (PS8-27/33)	12/12	G. David



INCLUDED OPTIONS	Description
O26	Standard NFPA Compliant Remote Monitoring via 26-Pin Connector
S1	External +24 to +26.5 VDC Back Up
RED	RED Enclosure
D	Cannon type Circular AC Connector (No AC/DC Protections)
VA	Local Visual Alarms

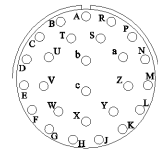


Electrical Specifications

- *Down-Link (Base to Mobile) Frequency Range [MHz] : 851 - 854
- *Up-Link (Mobile to Base) Frequency Range [MHz] : 806 - 809
- *Selectivity @ +/- 2 MHz from Passband [dBc] : 40 (Typ.)
- @ +/- 4 MHz from Passband [dBc] : 60 (Typ.)
- *Gain (Minimum attenuation) [dB] : 80 (Min.), 85 (Typ.)
- *Gain Flatness [dB] : +/- 1.5 (Max.)
- *Noise Figure [dB] : 5.5 (Max.), 5.0 (Typ.)
- *Manual Attenuation Range [dB] : 0-30 in 2-dB steps
- *Output Power ALC Set [dBm] : Uplink : +27 ±1
- Downlink : +30 ±1
- *Output Composite Power [dBm] : Uplink : +27 (Typ.)
- Downlink : +30 (Typ.)
- Uplink : +48 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each : Downlink : +50 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each
- *Power Supply : 110V/0.47A to 220V/.23A (Autoranging) 50 to 60 Hz
- *Propagation Delay [uSec] : <0.25
- *Input/Output Impedance : 50 ohm
- *VSWR IN/OUT : < 1.5:1
- *Net Weight : < 18 kg/35.6 lb
- *PAINT: FLAT EPOXY RED

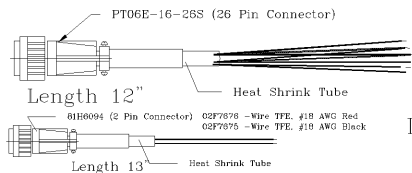
PIN #	DESCRIPTION
A	1-NO DL/UL Current Alarm
B	1-COM DL/UL Current Alarm
C	1-NC DL/UL Current Alarm
D	2-NO Donor Antenna Alarm
E	2-COM Donor Antenna Alarm
F	2-NC Donor Antenna Alarm
G	3-NO DC Backup Alarm
H	3-COM DC Backup Alarm
J	3-NC DC Backup Alarm
K	
L	
M	
N	GND
P	GND
R	+12 VDC 200mA
S	+12 VDC 200mA (STNB)

PIN OUT NFPA O26



WARNING. This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.

WITHOUT INCLUSION OF ACSP OPTION, THIS UNIT MAY NOT BE POWERED BY A GENERATOR.



SKU # 11602224

DC Current Draw @ +24VDC: 1.72A

NEMA 4 ENCLOSURE

FCC ID: Q8KPS8N3790C

OPERATING TEMPERATURE RANGE: -30°C TO +55°C

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		G-Wave Solutions	
ANGLES	DECIMALS	APPROVALS	DATE	TITLE	
± 1°	X ± .05 XX ± .01 XXX ± .003	DRAWN Sivak	10/16	NFPA 800 MHz BDA	
TREATMENT	CHECKED	DESIGN ACTIVITY		BDA-NPSPAC/N-27/30-80-C	
FINISH	ENG.			SIZE	CAGE CODE
MATERIAL				A	DWG NO:
				BDA-NPSPAC/N-27/30-80-C-1	
				SCALE	SHEET 1 OF 1