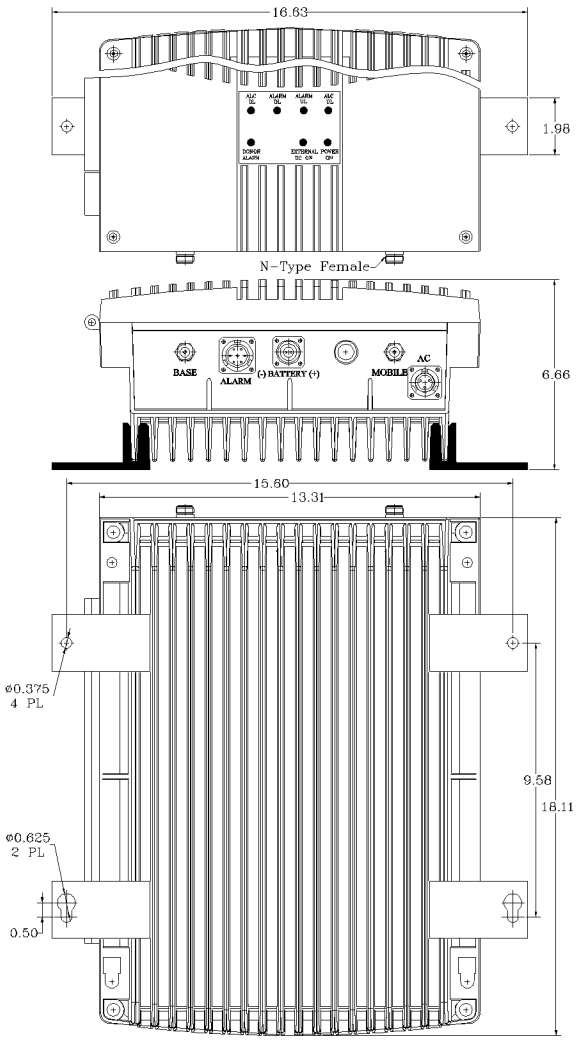
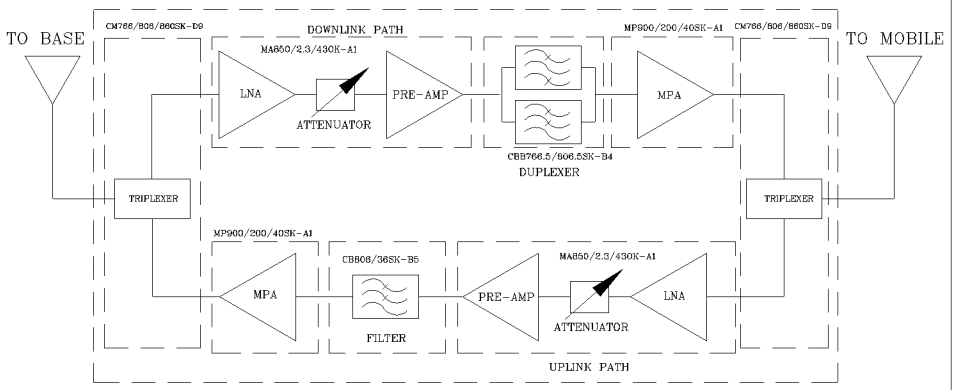
REVISIONS			
REV		DATE	APPROVED
A	Linearity and power upgraded (PS8-25/33)	11/12	G. David



AVAILABLE OPTIONS	Description
O26	Standard NFPA Compliant Local Alarming via 26-Pin Connector
S1	External +24 to +26.5 VDC Back Up
D	Cannon Type AC Connector (No AC/DC Protections)
RED	RED Enclosure



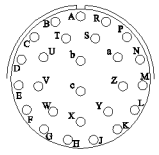
Electrical Specifications

*Down-Link (Base to Mobile) Frequency Range [MHz]		:	758 - 775
		:	851 - 861
*Up-Link (Mobile to Base) Frequency Range [MHz]		:	788 - 816
*Gain (Minimum attenuation) [dB]		:	80 (Min.), 85 (Typ.)
*Gain Flatness [dB]		:	+/- 1.5 (Typ.)
*Noise Figure (System) [dB]		:	5.0 (Max.), 4.5 (Typ.)
*Manual Attenuation Range [dB]		:	0 - 30 in 2-dB steps
*Output Power ALC Set [dBm]	Uplink	:	+25±1
	Downlink	:	+30±1
*Output Composite Power [dBm]	Uplink	:	+25 (Typ.)
	Downlink	:	+30 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 22 dBm each	Uplink	:	+45 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each	Downlink	:	+50 (Typ.)
*Power Supply		:	110V/0.45A to 220V/.22A (Autoranging) 50 to 60 Hz
*Propagation Delay [uSec]		:	<0.3
*Input/Output Impedance		:	50 ohm
*VSWR IN/OUT		:	<1.5:1
*Net Weight		:	< 16 kg/ 35 lb

*PAINT: TEXTURED EPOXY BROWN

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

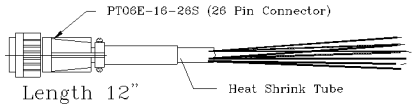
PIN OUT NFPA O26



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)

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 # 11602204

NEMA 4 ENCLOSURE

DC Current Draw @ +24VDC: 1.64A

FCC ID: Q8KPS7W83790

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		G-Wave Solutions
	APPROVALS	DATE	TITLE NFPA 700/800 MHz BDA (LTE) BDA-PS7W/PS8NEPS-25/30-80-C
TREATMENT	DRAWN Sivak	11/15	
FINISH 63	CHECKED		SIZE A / CAGE CODE / DWG NO: BDA-PS7W/PS8NEPS-25/30-80-C-1 / REV. A
MATERIAL	ENG.		
	DESIGN ACTIVITY		SCALE None / SHEET 1 OF 1