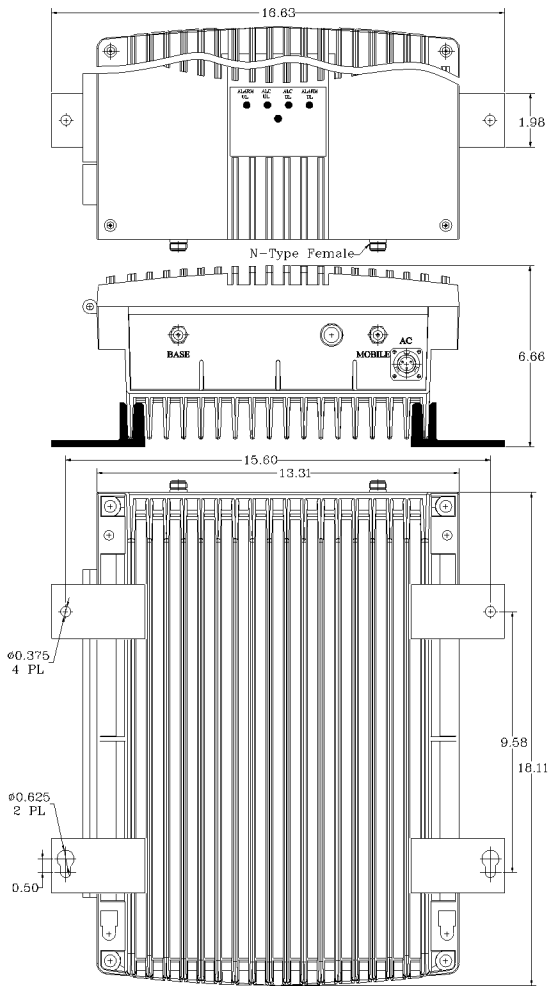
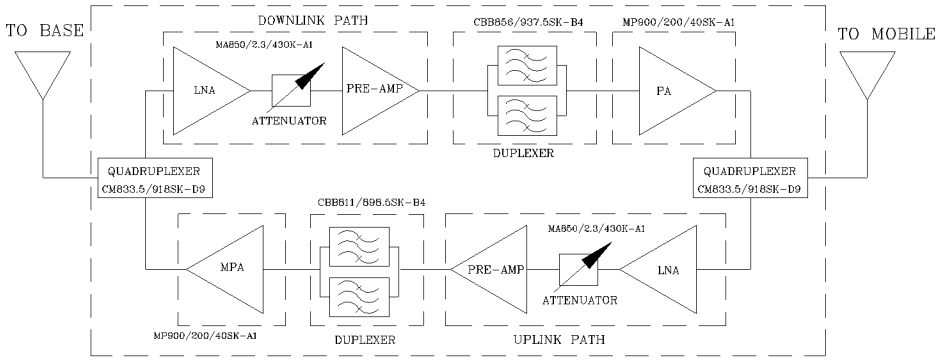
REVISIONS			
REV		DATE	APPROVED
A	Linearity and power upgraded (PS8-25/33)	11/12	G. David

AVAILABLE OPTIONS	Description





Electrical Specifications

*Down-Link (Base to Mobile) Frequency Range [MHz]		:	851 - 861 / 935 - 940
*Up-Link (Mobile to Base) Frequency Range [MHz]		:	806 - 816 / 896 - 901
*Attenuation @ Passband ± 2 MHz [dBc]		:	35 (Typ.)
*Attenuation PS800 Downlink @ 862 MHz [dBc]		:	30 (Typ.)
*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	:	+25±1
*Output Composite Power [dBm]	Uplink	:	+25 (Typ.)
	Downlink	:	+25 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 22 dBm each	Uplink	:	+45 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 22 dBm each	Downlink	:	+45 (Typ.)
*Power Supply		:	110V/0.37A to 220V/.19A (Autoranging) 50 to 60 Hz
*Propagation Delay [uSec]		:	<0.3
*Input/Output Impedance		:	50 ohm
*VSWR IN/OUT		:	<1.5:1
*Net Weight		:	< 18 kg/ 40 lb

*PAINT: FLAT EPOXY BROWN

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

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.

NEMA 4 ENCLOSURE

SKU # 11602164

FCC ID Q8KESMR2W80AN89R

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		**G-Wave Solutions**
	APPROVALS	DATE	TITLE Dual Band 800/900 MHz BDA LMR
	DRAWN Sivak	06/15	BDA-PS8NEPS/N/PS9-25/25-80-C
TREATMENT	CHECKED		
FINISH 63	ENG.		SIZE A / CAGE CODE / DWG NO: BDA-PS8NEPS/N/PS9-25/25-80-C-1 / REV. A
MATERIAL	DESIGN ACTIVITY		SCALE None / SHEET 1 OF 1