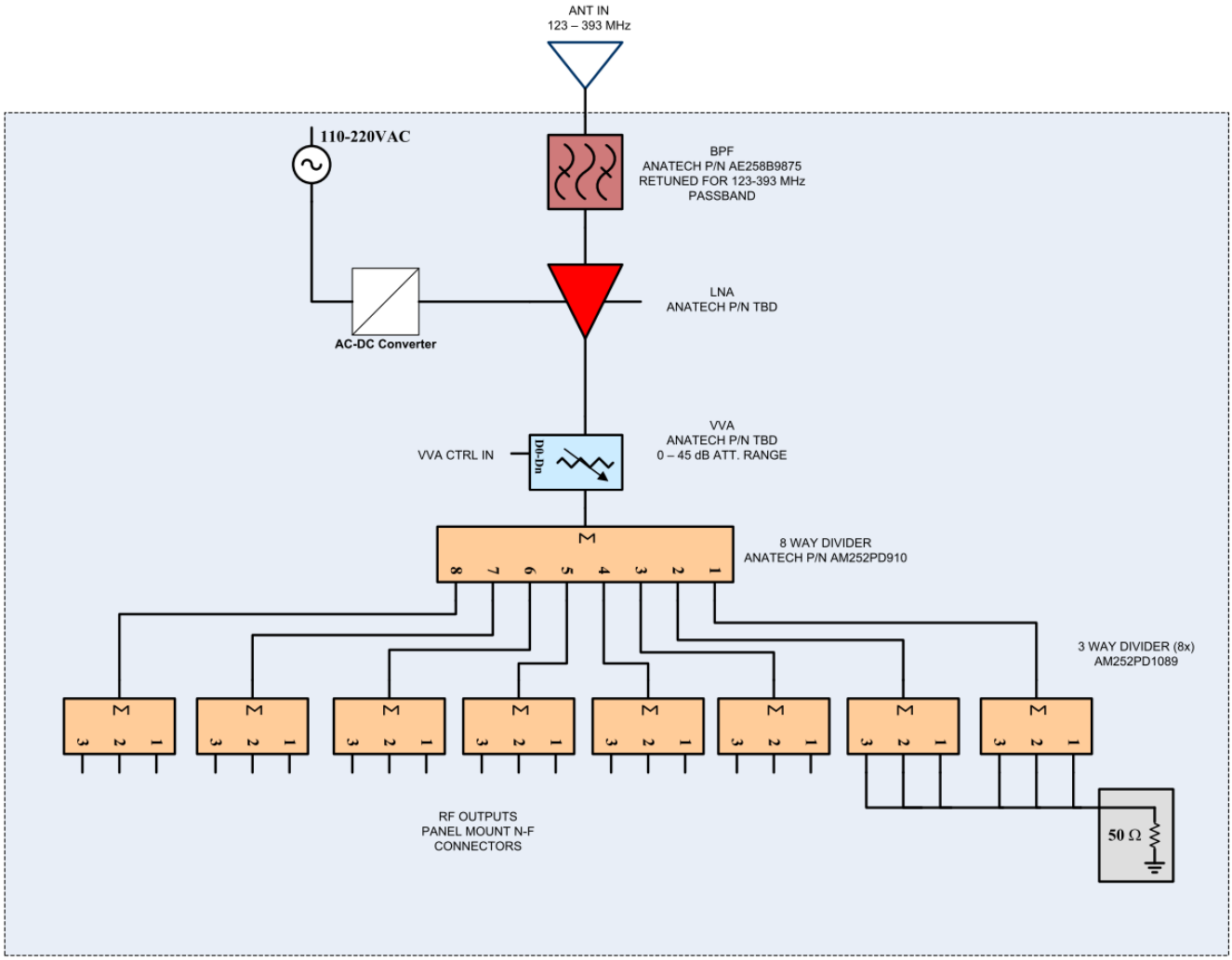
ANATECH MULTICOUPLERS – TYPICAL CONFIGURATION

BLOCK DIAGRAM

The block diagram of the unit in its proposed system setup is shown below. The deliverable by Anatech is outlined in the dashed line and shall be housed in a 1U or 2U height rack mount housing. Depending on expected receive conditions, the voltage variable attenuator may be located before the LNA.



PERFORMANCE SPECIFICATIONS

Multicoupler Specifications				
Parameter	**Min**	**Typ**	**Max**	**Unit**
Rx Operating Frequency	123		393	MHz
LNA P1dB Power Output		20		dBm
Gain		0		dB
Gain Flatness		±1.5		dB
Gain Change Over Temperature			±1.0	dB
IIP3		33		dBm
Noise Figure		3.5		dB
Operating Voltage	110		220	VDC
Current Draw		0.05	0.08	A

Number of outputs	18 (24 with 6 terminated to 50 Ohms)			--
Port – Port Isolation	110 dB min			
Rx Power Handling		0		dBm

Mechanical		
Parameter	**Value**	**Unit**
Dimensions (W x H x D)	19 x 1.75 x 10	Inches
RF Connectors (Tx /Rx / ANT)	N-F	--
Power Connector	Standard IEC 3 Prong AC Plug	--
Mounting	Standard IEC Rack Panel	--

Environmental / Protections			
Parameter	**Min**	**Max**	**Unit**
Operating Temp. (Housing Temp.)	-20	+85	℃
Humidity Range	0-95		%
Altitude	0-30,000		Ft
Shock / Vibration	MIL-STD-810F Air/Ground Vehicle		--
Load VSWR - Multicoupler Output	∞ at all amplitudes / phase angles		--

OUTLINE DRAWING

Note: Exact connector locations subject to change