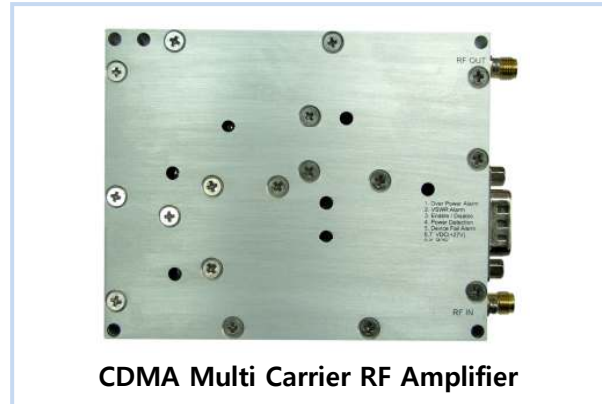


Product Features

- High power RF amplifier
- Solid State power amplifier
- High linearity and high efficiency
- 50 ohms input / output impedance

Application

- CDMA Repeater



Electrical Specification

Parameter	Specification	Remark
Frequency Range	825MHz~835MHz	10MHz BW
Output Power	+30dBm(1Wavg)	CDMA 7FA
Gain	45dB±0.5dB	
Gain Flatness	1dB peak to peak	
Gain Variation Over Temp.	±1dB max.	
Harmonic	-45dBc	
Spurious Emission (9CH, CDMA 7FA)	±750kHz < -29dBc ±1.98MHz < -46dBc	RBW 30kHz
Input VSWR	1.4:1 max.	
Output VSWR	1.4:1 max.	Isolator Applied
Normal Operating Voltage	+27V	
DC Current Consumption	1.5A max.	
Enable	TTL Low Active	
Output Detect	+4.0V @Po=+30dBm	0.1V/dB



Environmental Specification

Parameter	Specification	Remark
Operating Temperature	-30°C~+60°C	
Storage Temperature	-40°C~+85°C	
Relative Humidity	0%~90%	Non-condensing

Mechanical Specification

Physical Dimension : 100mm X 80mm X 25mm

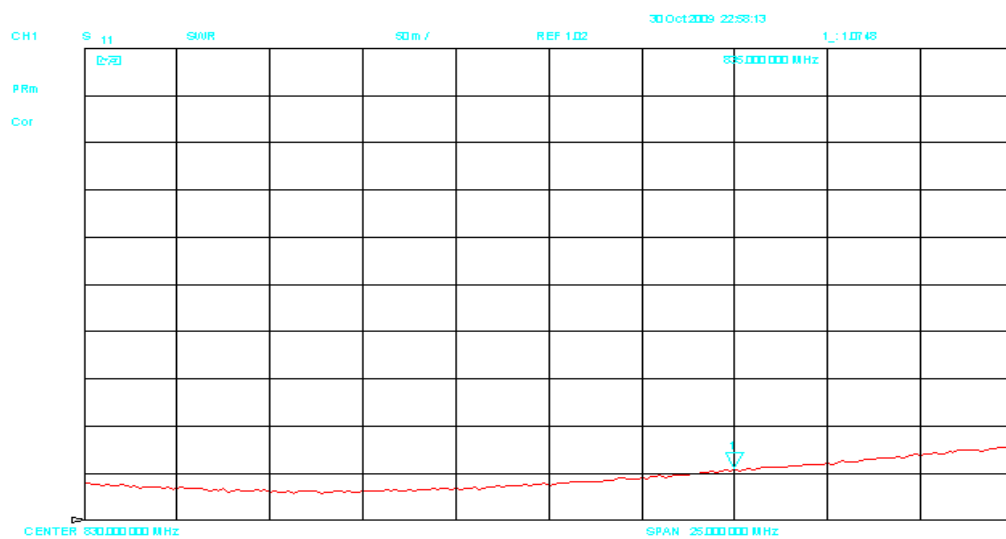
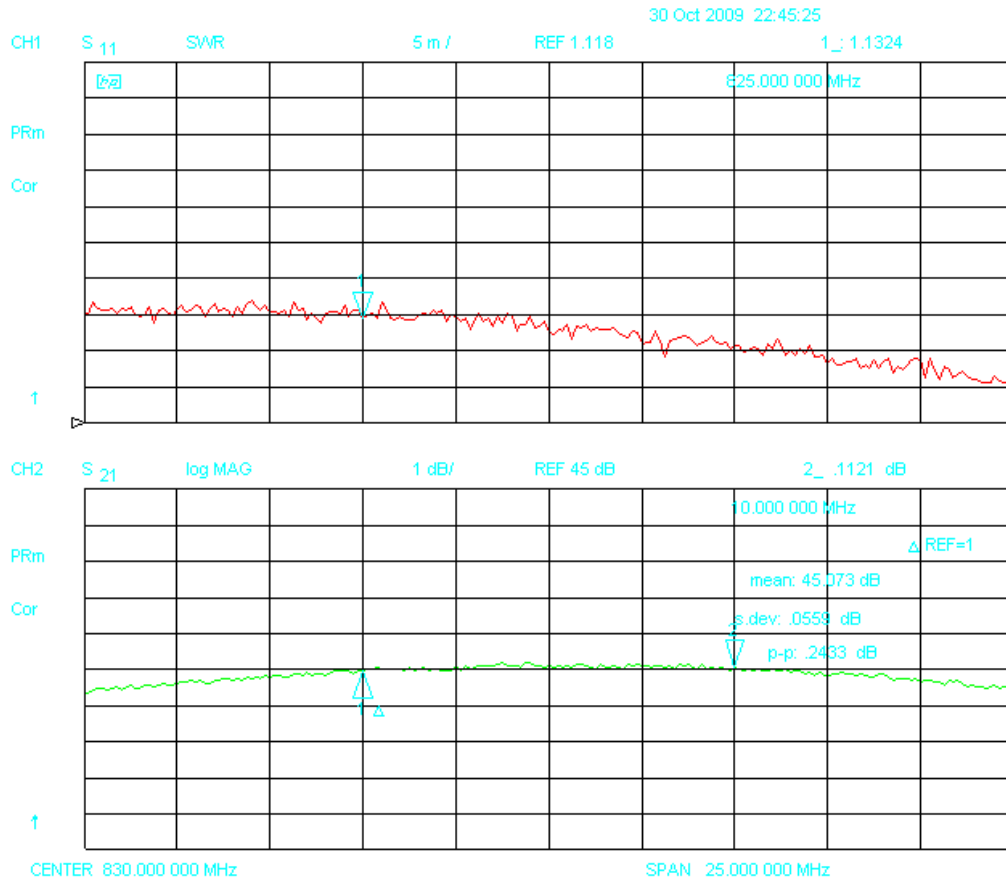
Pin Assignment

I/O Interface (D-Sub 9Pin Male)	1. Over Power Alarm	+33dBm±0.5dB
	2. VSWR Alarm	2:1@+22dBm
	3. Enable/Disable	Enable : TTL Low
	4. Power Monitor	4.0V@+30dBm, 0.1V/dB
	5. Device Fail Alarm	TTL Low When Main TR Burnt
	6,7. VCC	+27V
	8,9. GND	



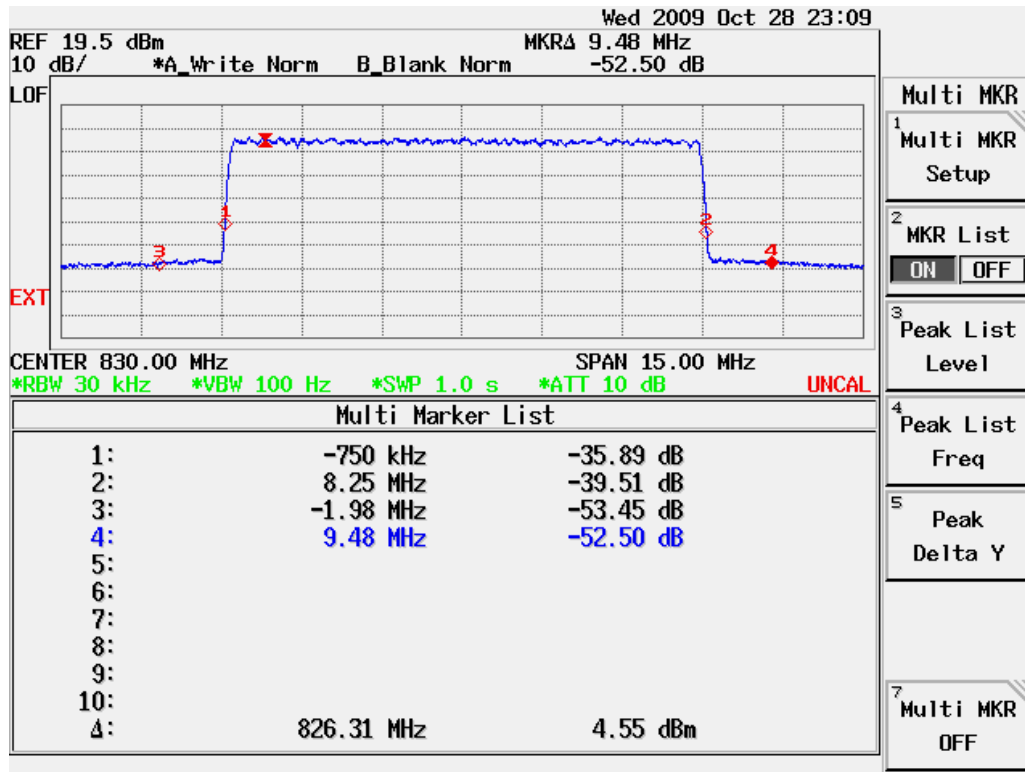
Electrical Test Data

Gain & In/Out VSWR





ACLR @Po=+30dBm



Current Consumption

+27V : 0.75A @Po=+30dBm



Outline Drawing

