

Product Features

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

Application

- WCDMA Repeater



Electrical Specification

Parameter	Specification	Remark
Frequency Range	2115MHz~2145MHz	30MHz BW
Output Power	3W (+34.77dBm)	WCDMA 6FA
Gain	35dB±1dB	
Gain Flatness	1dB peak to peak	
ACLR	±5MHz < -50dBc ±10MHz < -52dBc	RBW 30kHz
Input VSWR	1.5:1 max.	
Output VSWR	1.5:1 max.	
DC Current Consumption	+6V : 0.5A max. +29V : 1.5A max.	
Enable	TTL Low Active	
Output Detect	+4.0V @Po=3W	0.1V/dB



Environmental Specification

Parameter	Specification	Remark
Operating Temperature	-20°C~+60°C	
Storage Temperature	-30°C~+85°C	
Relative Humidity	0%~90%	Non-condensing

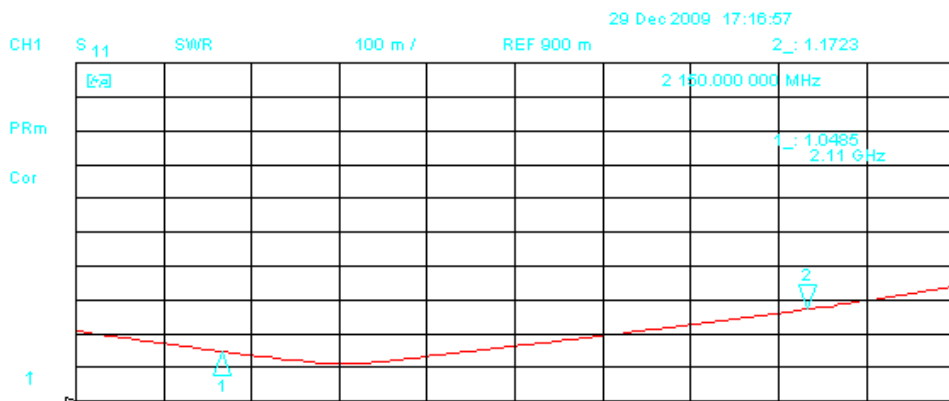
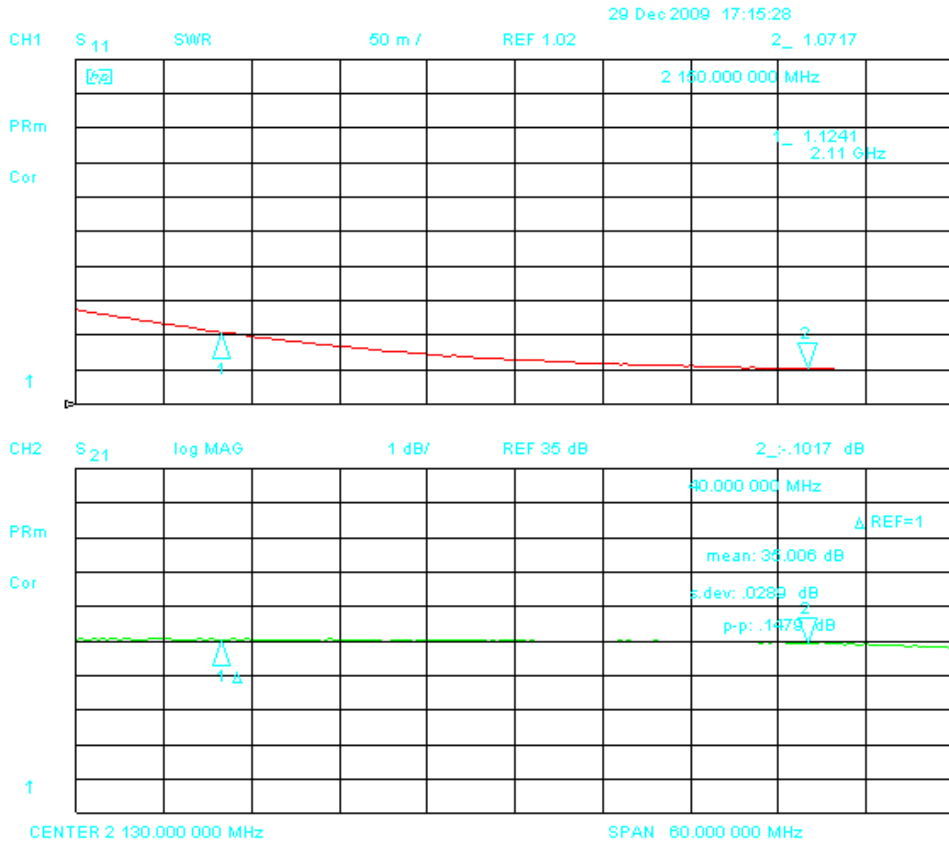
Mechanical Specification

Physical Dimension : 95mm X 45mm X 13mm



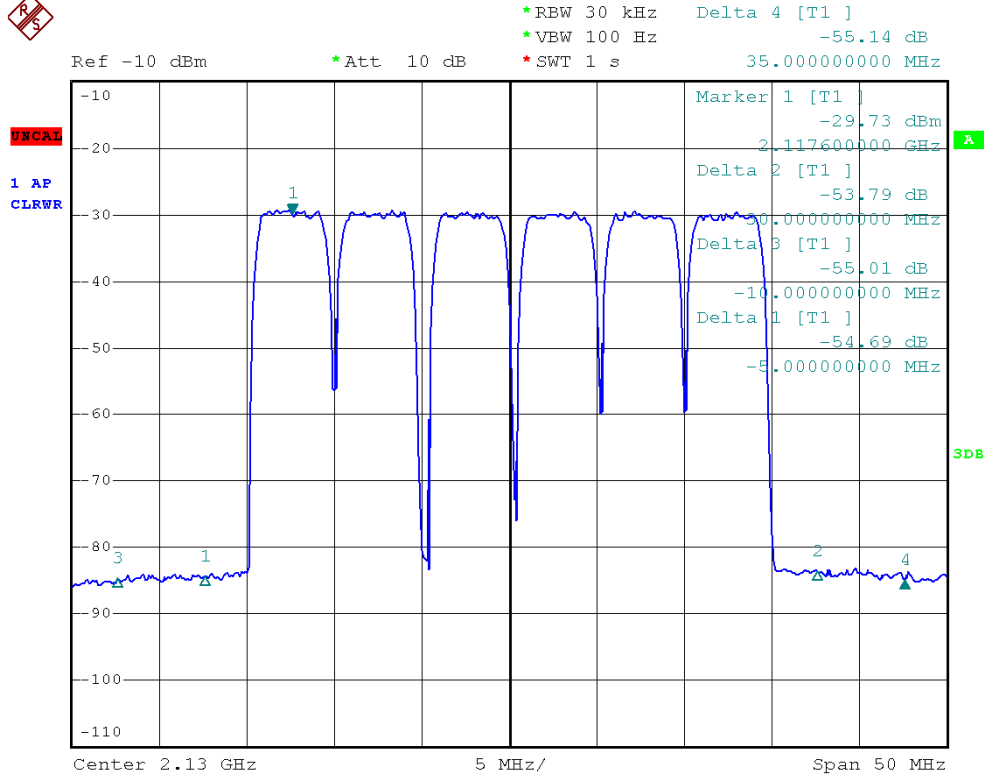
Electrical Test Data

Gain & In/Out VSWR





ACLR



Current Consumption

+6V : 0.17A / +29V : 1.05A @Po=3W

Outline Drawing

