

Features

- Gain: 43dB typical
- Output power +41dBm typical
- High P1dB: +38dB m Full Band
- Supply Voltage: +28V
- 50 Ohm Matched



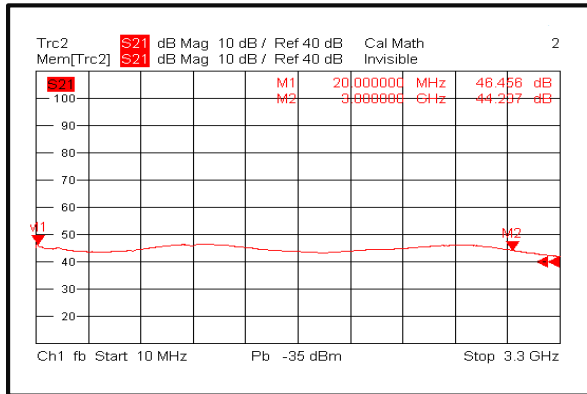
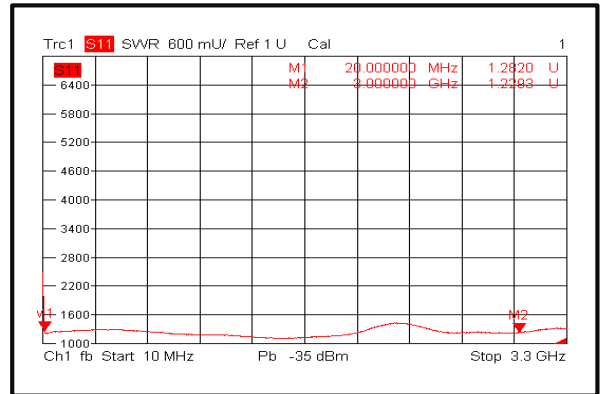
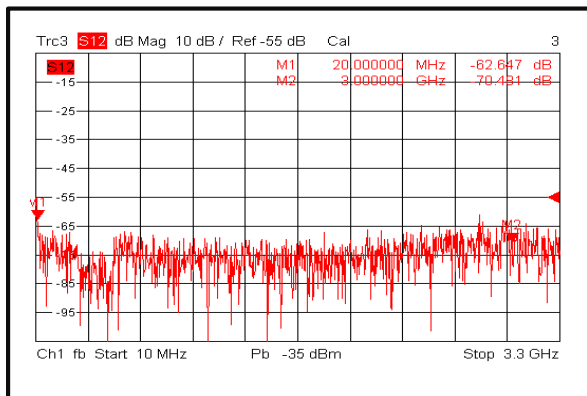
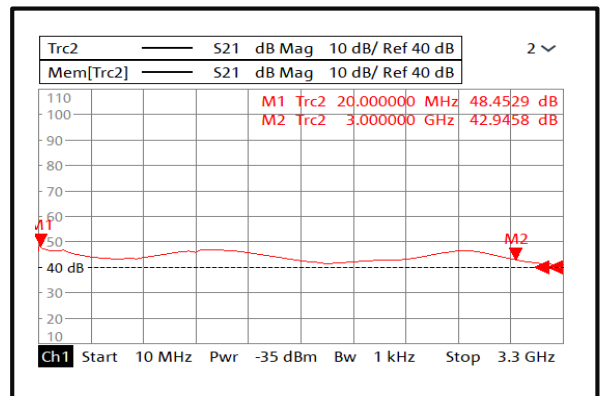
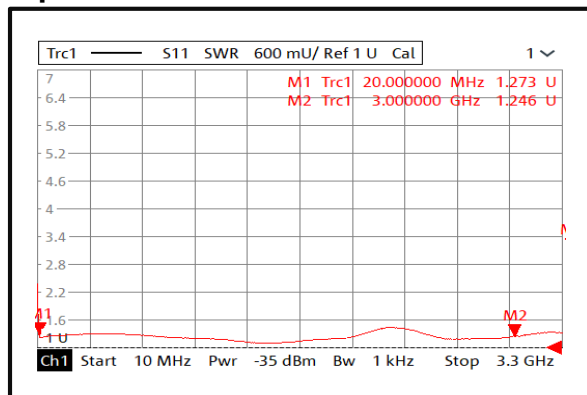
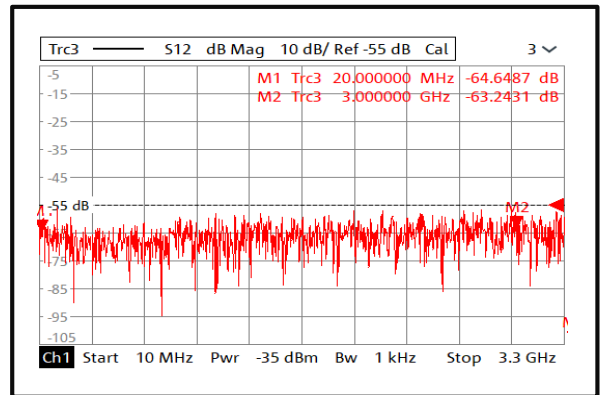
Typical Applications

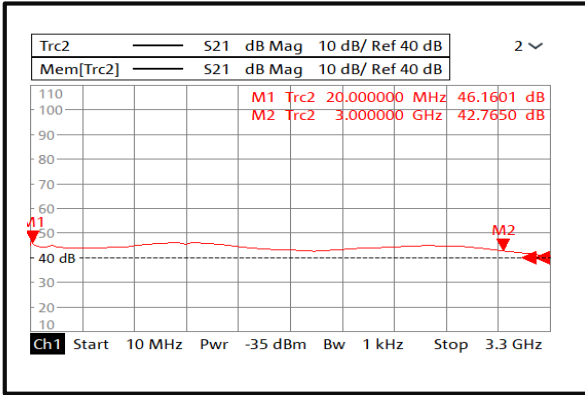
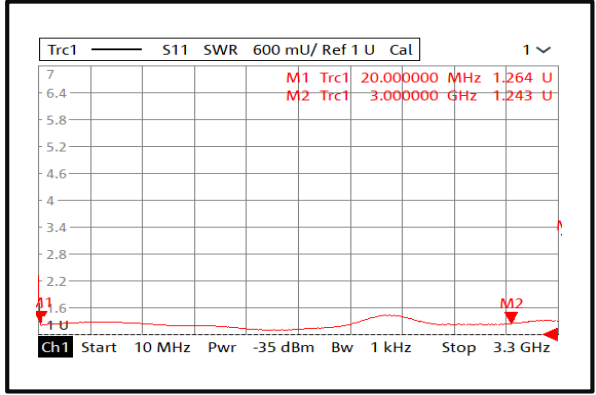
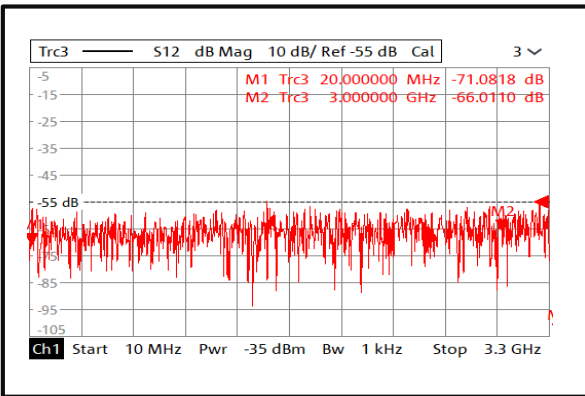
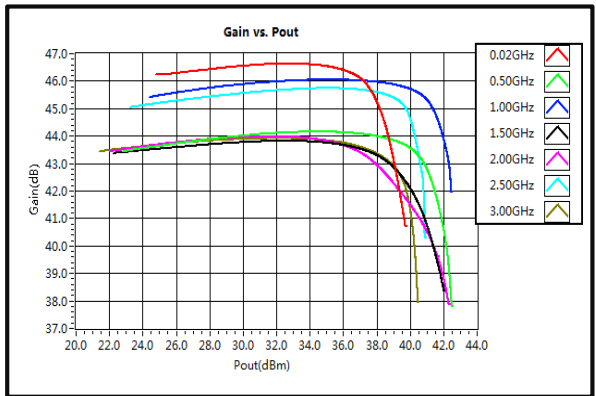
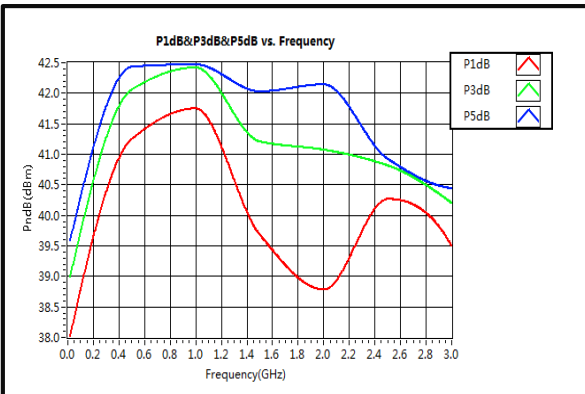
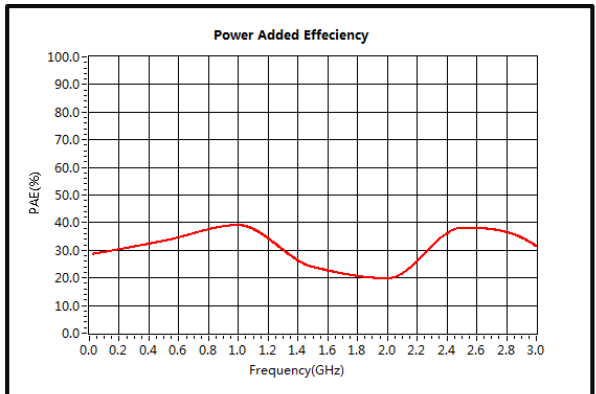
- Wireless Infrastructure
- 5G Communication
- Test and Measurement Instruments

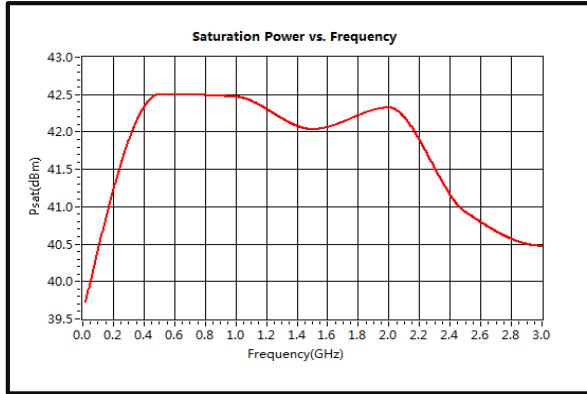
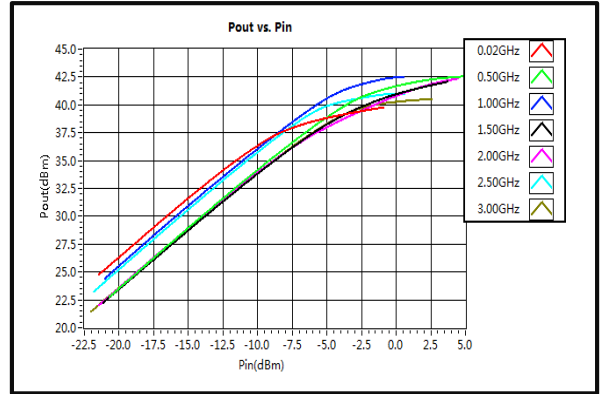
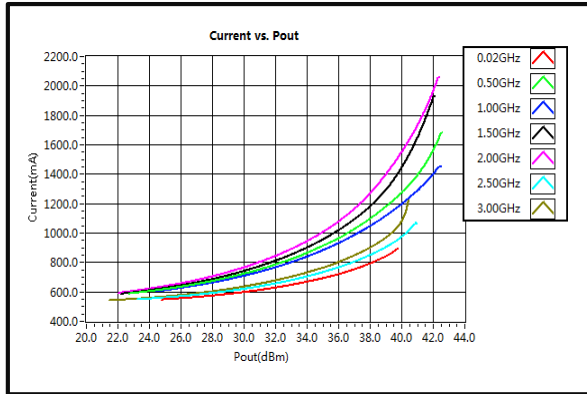
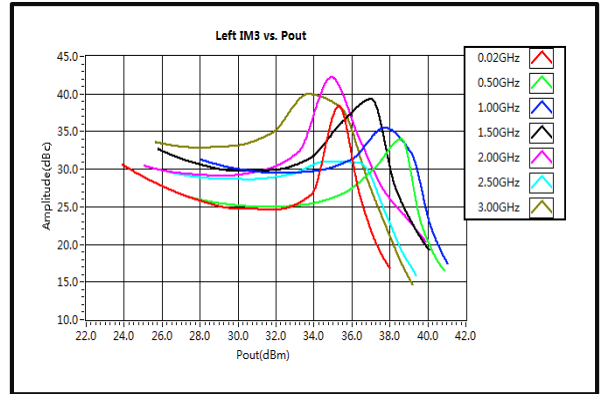
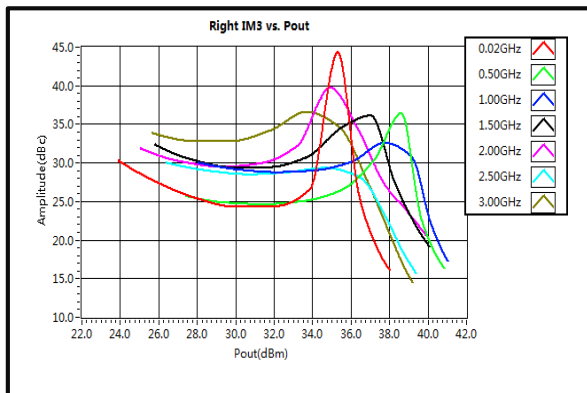
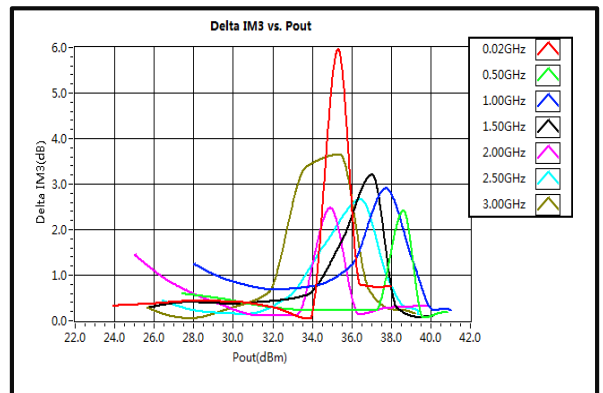
RF Microwave & VSAT
Fiber Optics

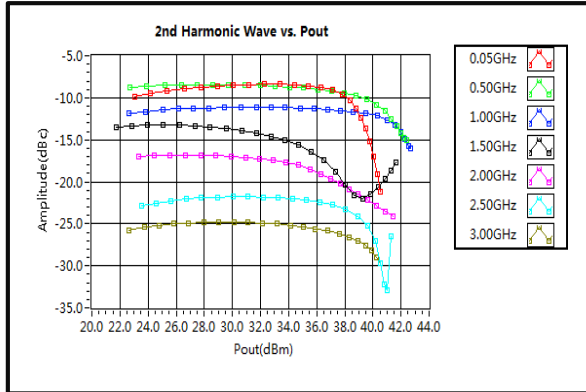
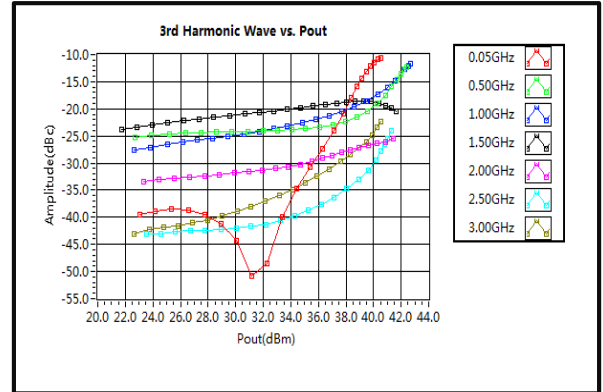
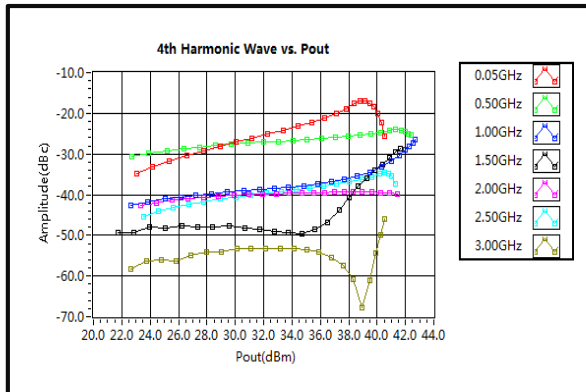
Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.02		3	GHz
Gain	40	43		dB
Gain Flatness		±2.5		dB
Gain Variation Over Temperature (-40°C to +85°C)		±2.0		dB
Input VSWR		1.6		: 1
Output 1dB Compression Point (P1dB)		38		dBm
Saturated Output Power (Psat)	39	41		dBm
Supply Current (Vcc = +28VDC)		0.85	2.3	A
Isolation S12		-55		dB

Weight	6.24Max. ounces(Amplifier)	Impedance	50ohms
	54.4Max. ounces(Including Heat sink)		
Input / Output Connectors	SMA-Female	Material	Aluminum
Finish	Nickel Plated	Package Sealing	Epoxy Sealed (Standard)
			Hermetically Sealed (Optional)

Gain @+25°C

Input VSWR @+25°C

Isolation @+25°C

Gain @-40°C

Input VSWR @-40°C

Isolation @-40°C


SALUKI TECHNOLOGIES 12W Ultra Wideband Solid State Power Amplifier 0.02GHz-3GHz
Gain @+85°C

Input VSWR @+85°C

Isolation @+85°C

Gain vs. Output Power

PndB vs. Frequency CW

Power Added Efficiency CW


Saturation Power vs. Frequency CW

Pout vs. Pin

Current vs. Pout

Left IM3 vs. Pout

Right IM3 vs. Pout

Delta IM3 vs. Pout


2nd Harmonic Wave Output Power

3rd Harmonic Wave Output Power

4th Harmonic Wave Output Power


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