PAGES 10-11

LA390-SG1

Figure 1: 3D View

Far field

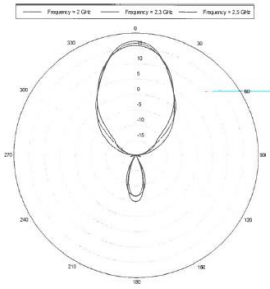

Figure 2: Phi Realised gain (Phi = 0 deg) - LA390-SG

Far field

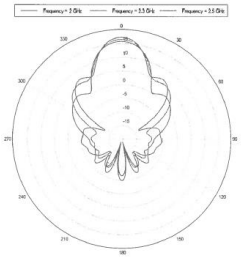

Figure 3: Theta Realised gain (Phi = 90 deg) - LA390-SG

Excitation

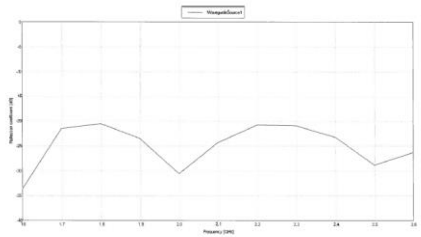

Figure 4: Reflection coefficient Magnitude [dB] - LA390-SG

G390-SG1

Figure 1: 3D View

Far field

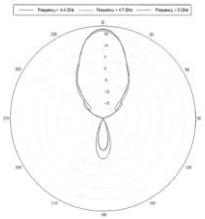

Figure 2: Phi Realised gain (Phi = 0 deg) - G390-SG

Far field

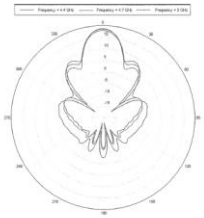

Figure 3: Theta Realised gain (Phi = 90 deg) - G390-SG

Excitation

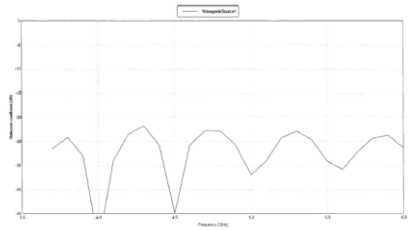

Figure 4: Reflection coefficient Magnitude [dB] - G390-SG

TR1216|300-6000 MHz 32 W
Rack Mount Power Amplifier

Description

This class AB GaN Rack Mount SSPA is designed for both military and commercial applications. It is capable of supporting any signal type and modulation format, including but not limited to 3-4G telecom, WLAN, OFDM, DVB, and CW/AM/FM. These highly versatile units can be custom-configured with an extensive array of monitoring circuitry, control and communication interfaces, and any combination of RF connectors. Custom RF filtering, switching, and multiple PA blocks can be designed in for any system requirement.

Features

AC, DC or Dual Power Supplies
Forward Power Monitoring
Front or Rear RF/Control Connections
PA and System Redundancy Configurations
High Speed Switching
Forced-Air and Fan-less cooling options available

Tx Specifications				
Parameter	Min	Typ	Max	Unit
Operating Frequency Range	300		6000	MHz
PSat Power Output (at output connector)		45		dBm
Gain		45		dB
Gain Flatness (Entire operating band)		2.0		dB
Gain Adjustment		25 dB		--
Input Return Loss		-16		dB
AC Supply Voltage	+85		+264	VAC
AC Supply Frequency	47		63	Hz
Switching Time		1.0	2.0	uS