

Introduction



This is a custom datasheet.

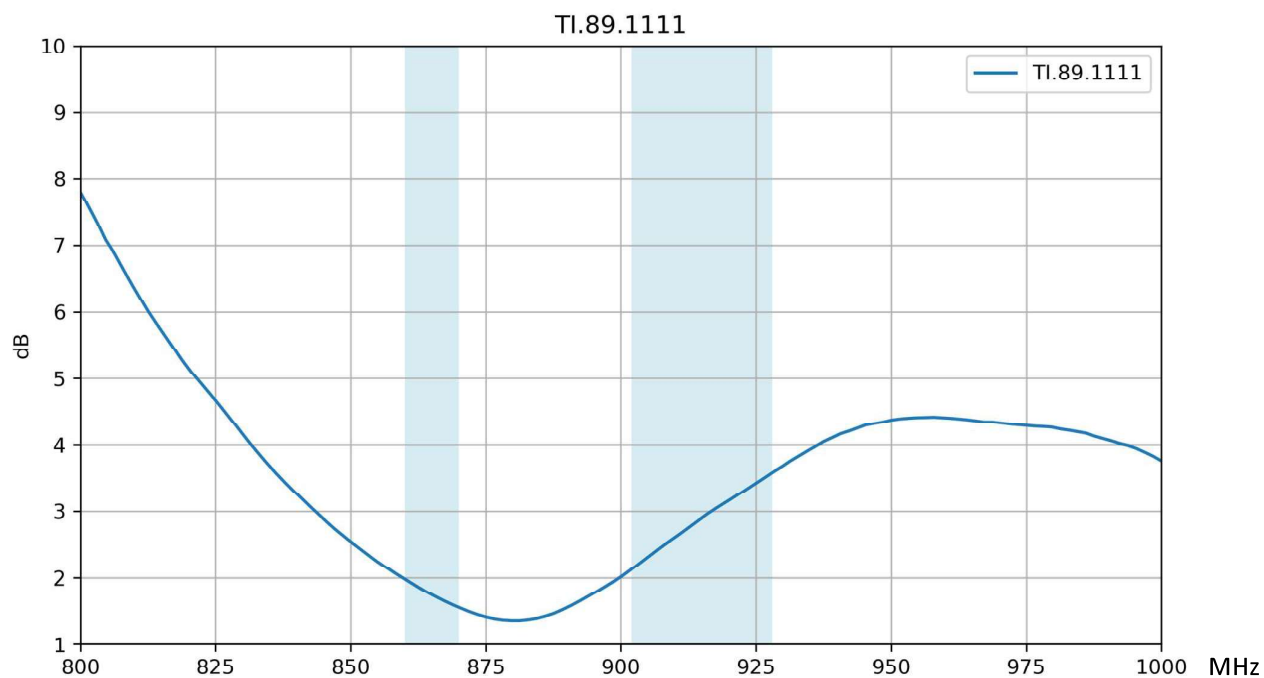
Specification

TI.89.1111		
Frequency (MHz)	868	915
	860-870	902-928
Efficiency (%)		
TI.89.1111	15.2	21.1
Average Gain (dB)		
TI.89.1111	-8.19	-6.75
Peak Gain (dBi)		
TI.89.1111	-3.56	-2.39
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni	
Max. input power	10W	

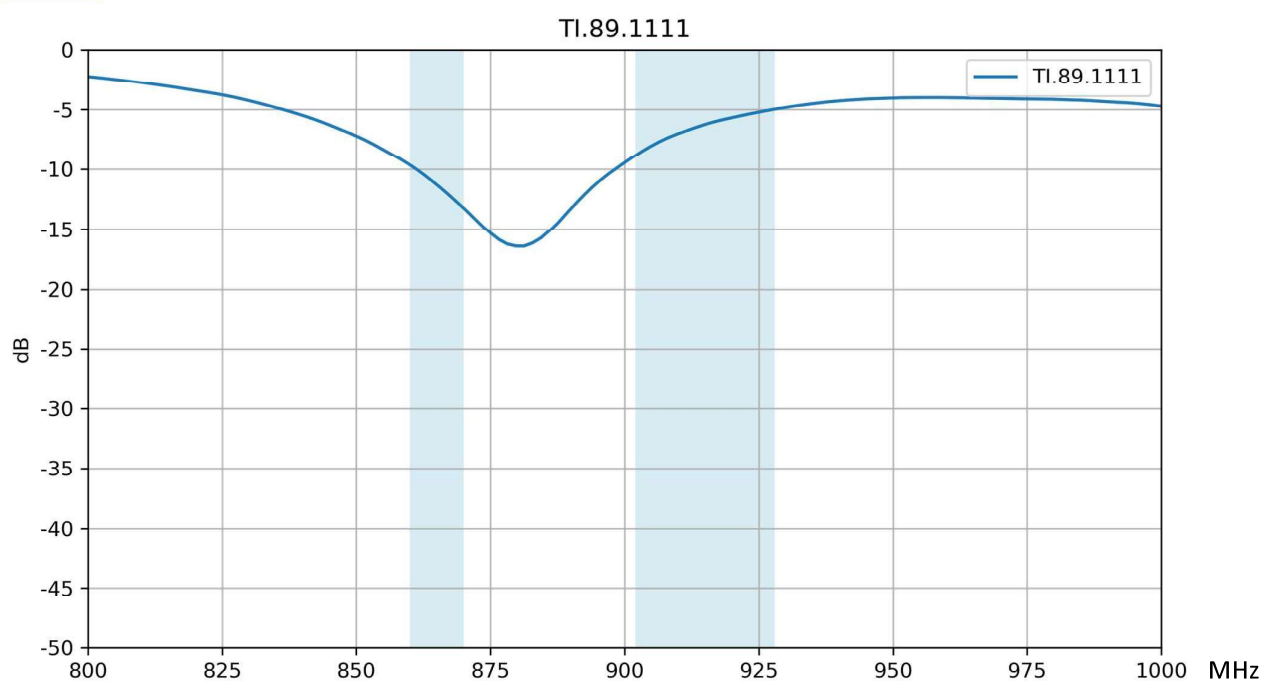
Mechanical	
Dimensions	Ø8.0 X 48.3mm
Weight	8.5g
Material	TPEE
Connector	SMA(M)
Environmental	
Waterproof Rating	-40°C to 85°C
Temperature Range	Non-condensing 65°C 95% RH
Humidity	Yes

Antenna Characteristics

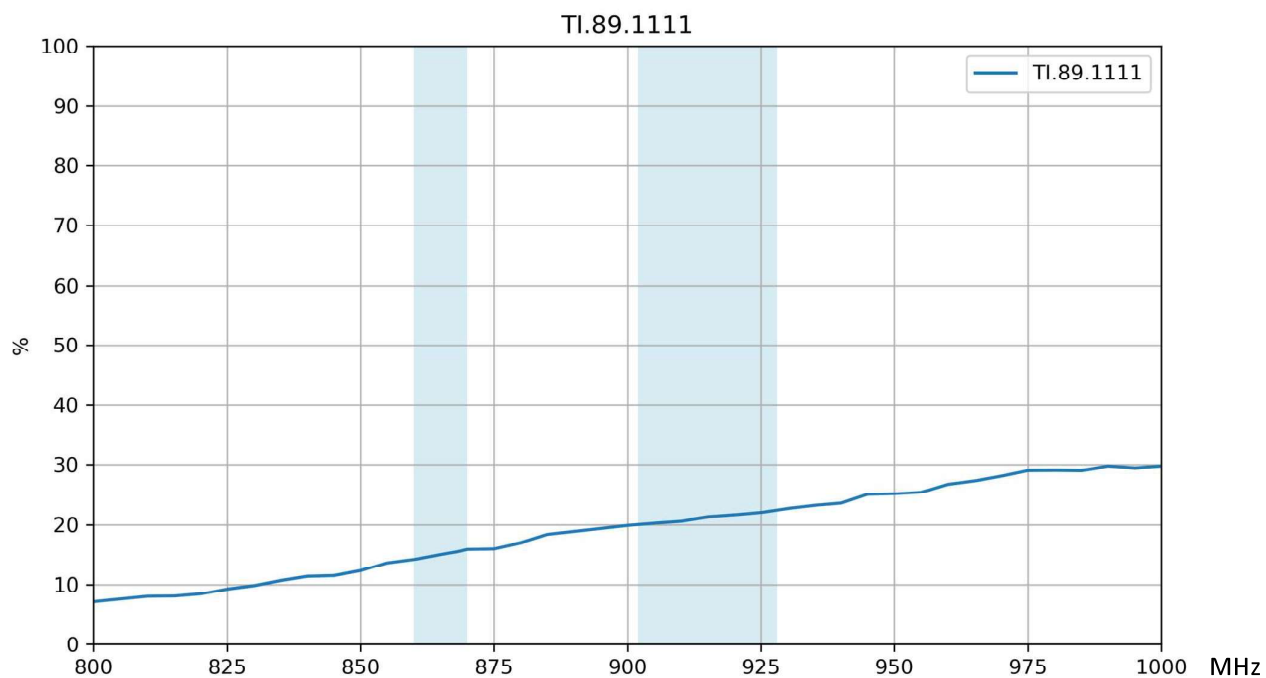
VSWR



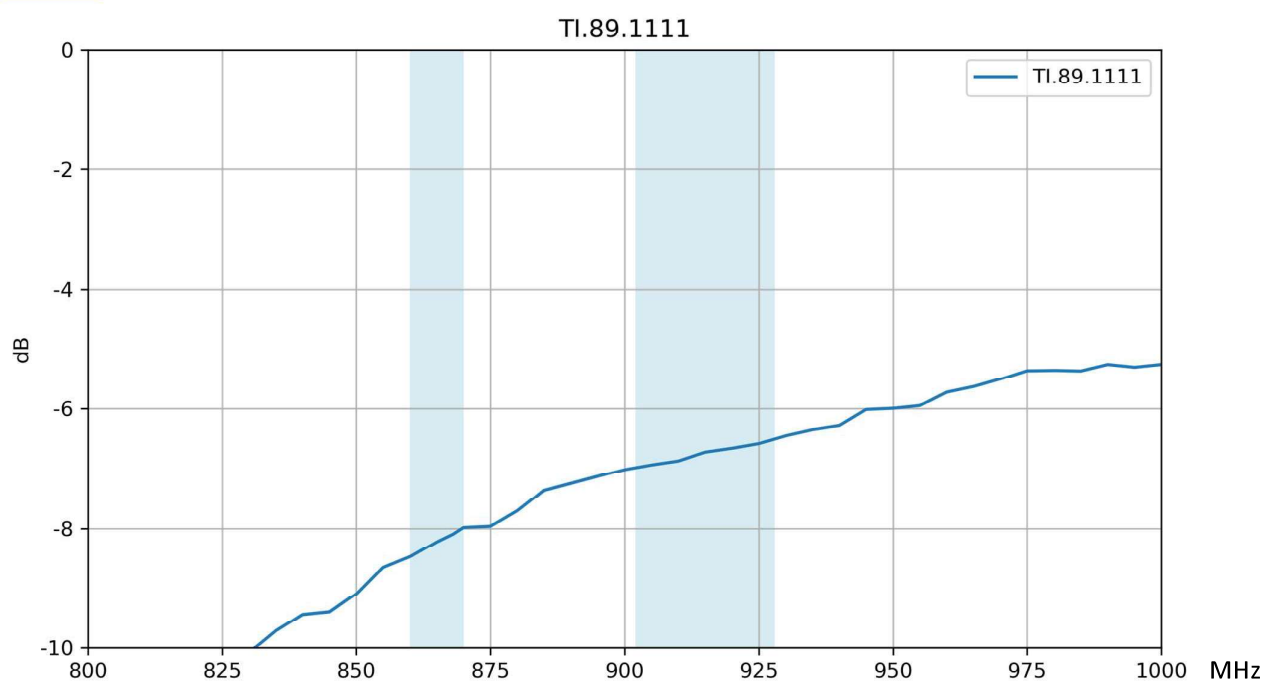
Return Loss



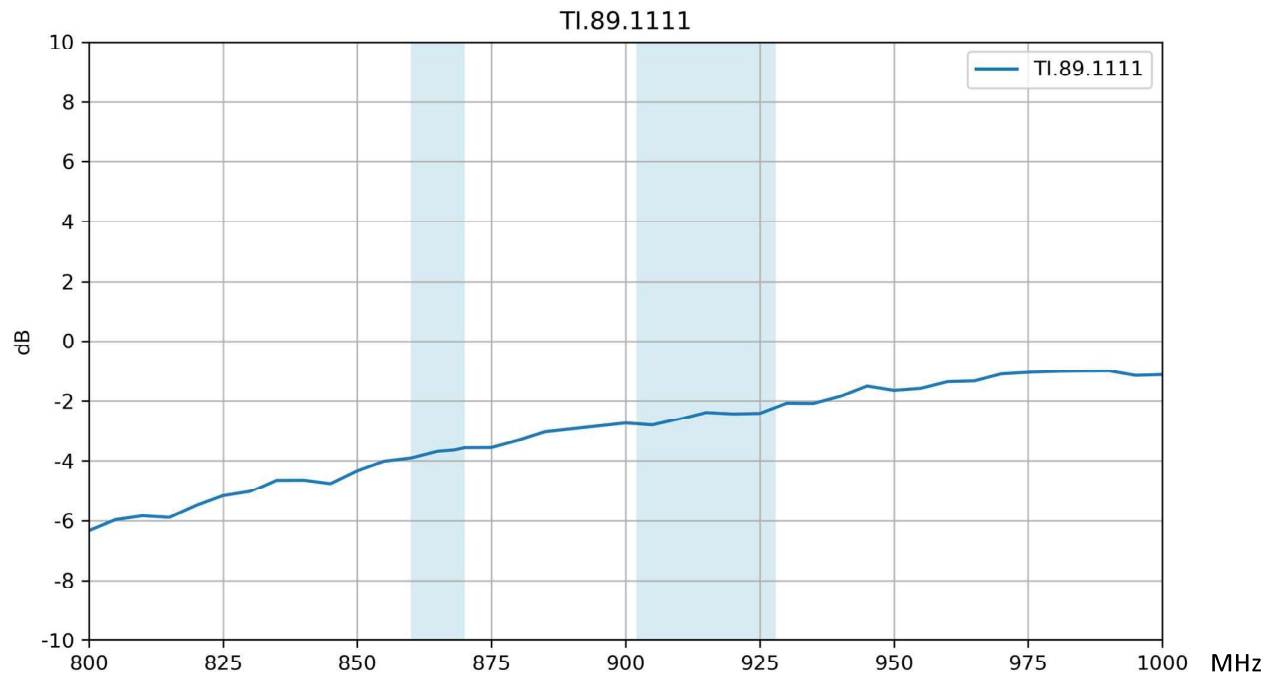
Efficiency



Average Gain



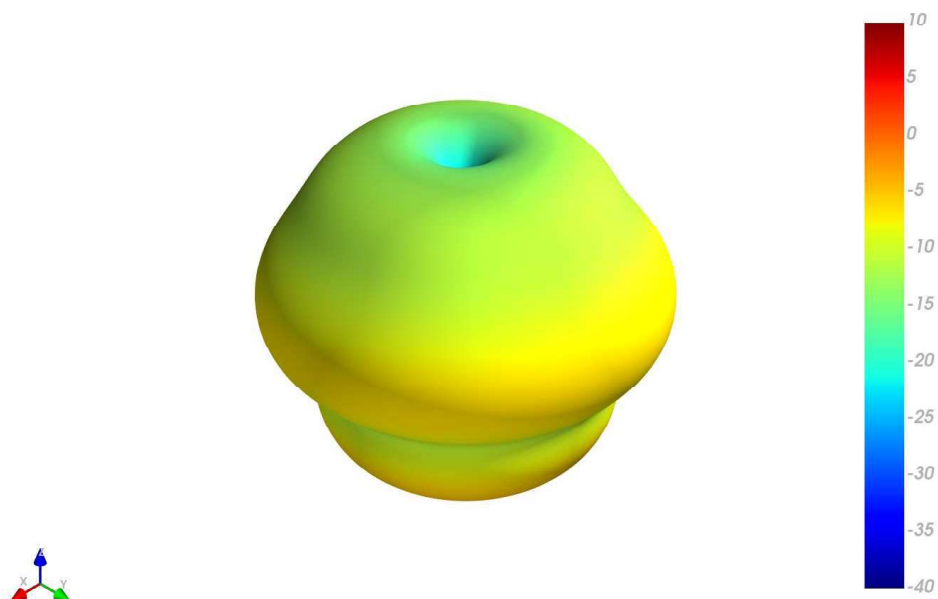
Peak Gain



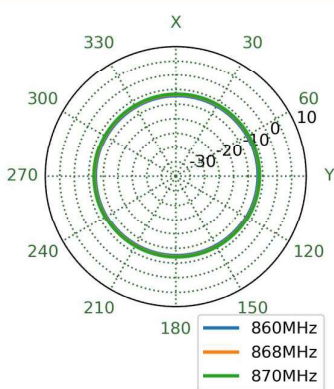
Radiation Patterns

TI.89.1111 TI.89.1111 3D and 2D Radiation Patterns

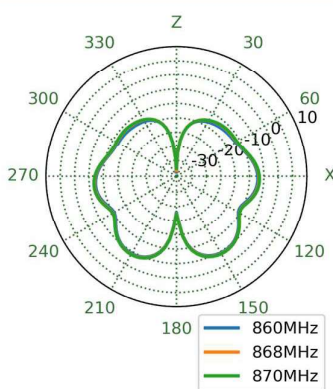
Gain total, 868MHz



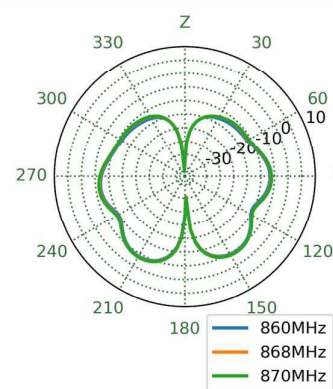
XY Plane



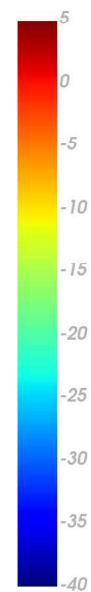
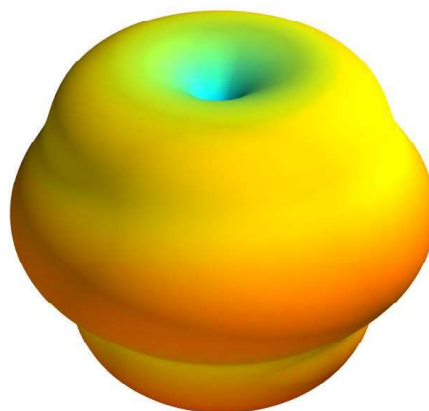
XZ Plane



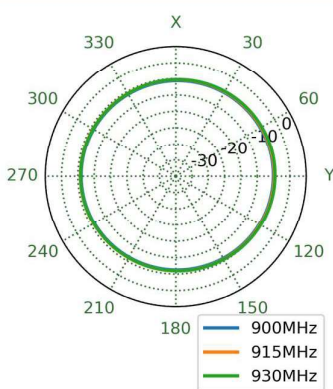
YZ Plane



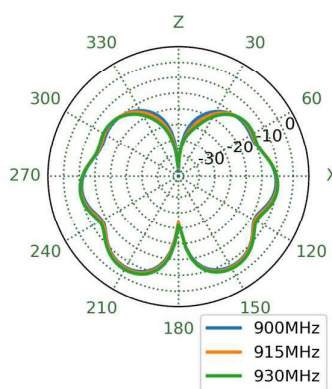
Gain total, 915MHz



XY Plane



XZ Plane



YZ Plane

