

## Introduction



This is a custom datasheet.

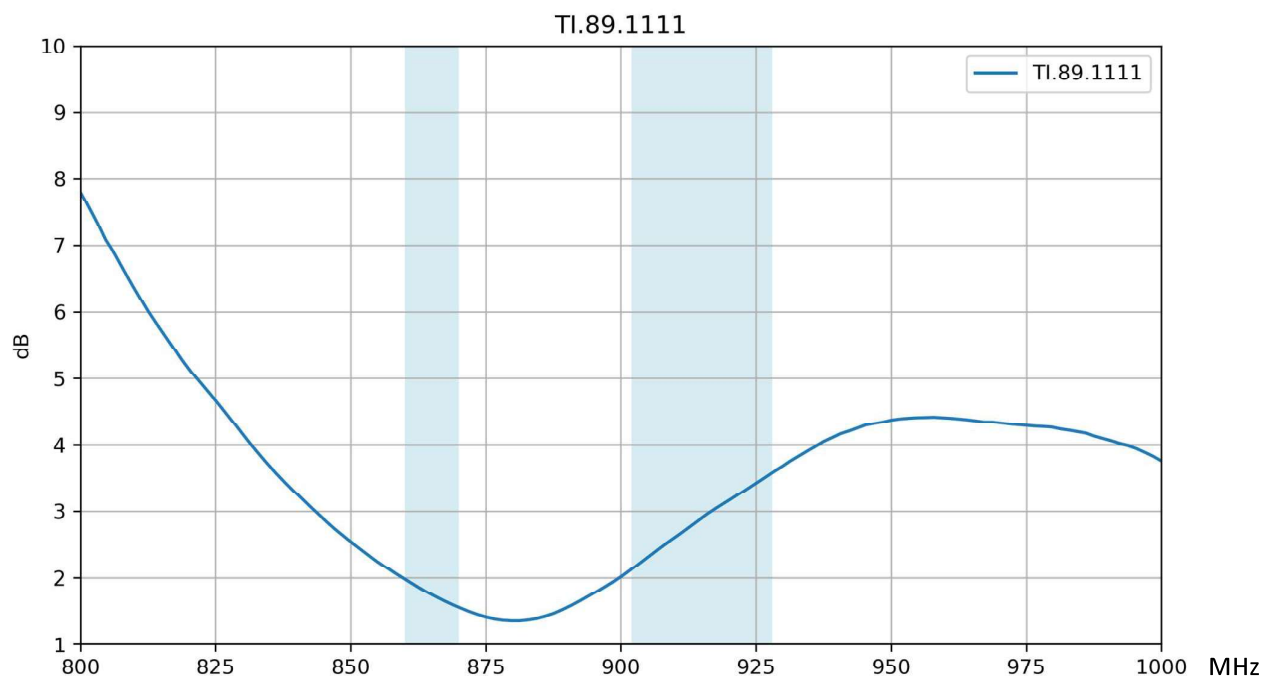
## Specification

| 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 $\Omega$ |         |
| Polarization      | Linear      |         |
| Radiation Pattern | Omni        |         |
| Max. input power  | 10W         |         |

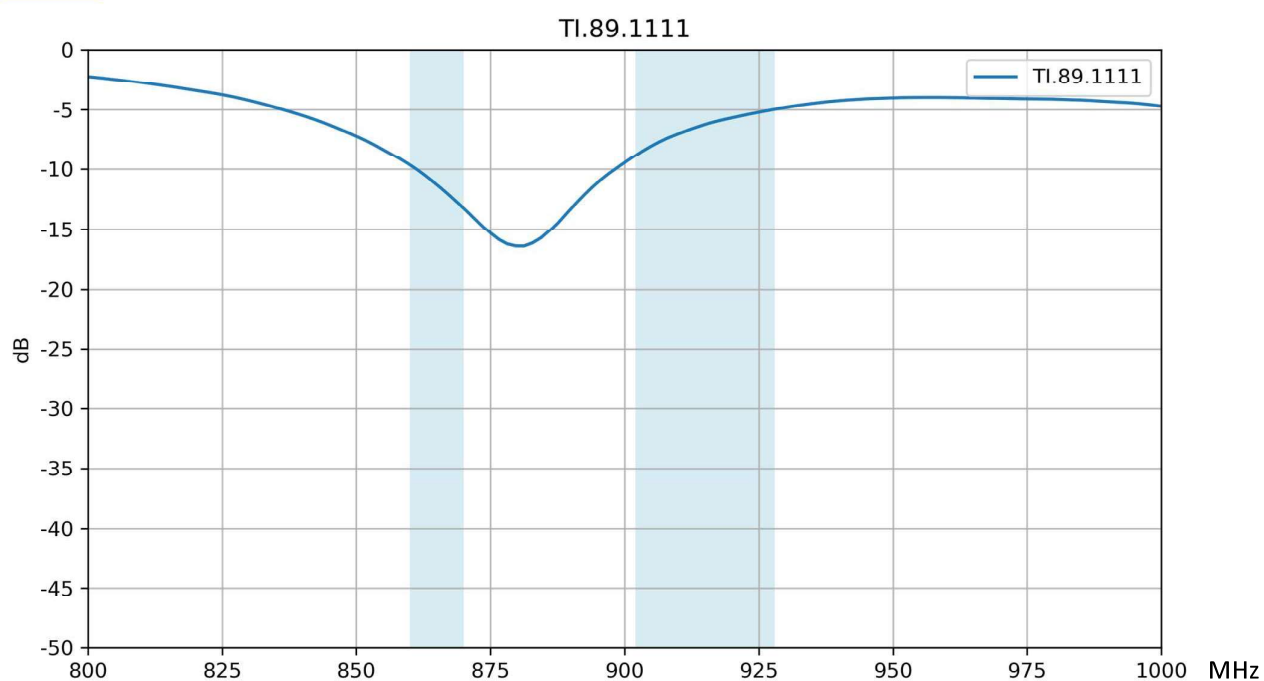
| Mechanical        |                            |
|-------------------|----------------------------|
| Dimensions        | Ø8.0 X 48.3mm              |
| Weight            | 8.5g                       |
| Material          | TPEE                       |
| Connector         | SMA(M)                 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

# Antenna Characteristics

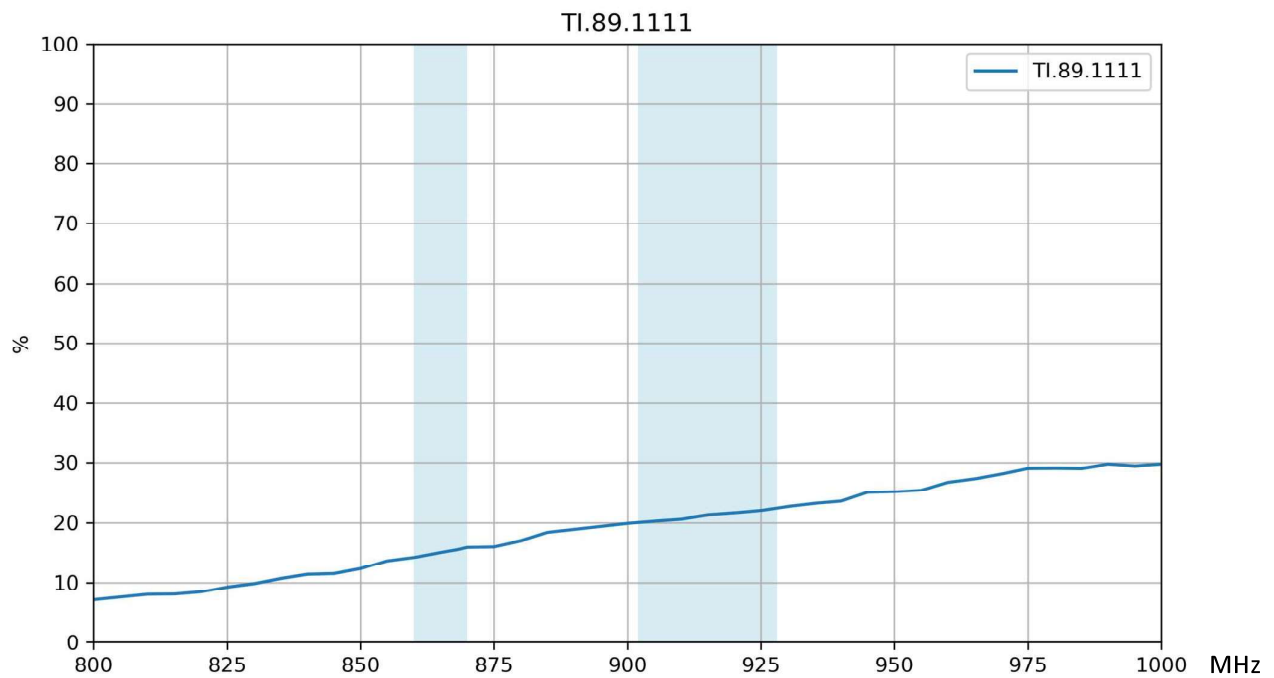
## VSWR



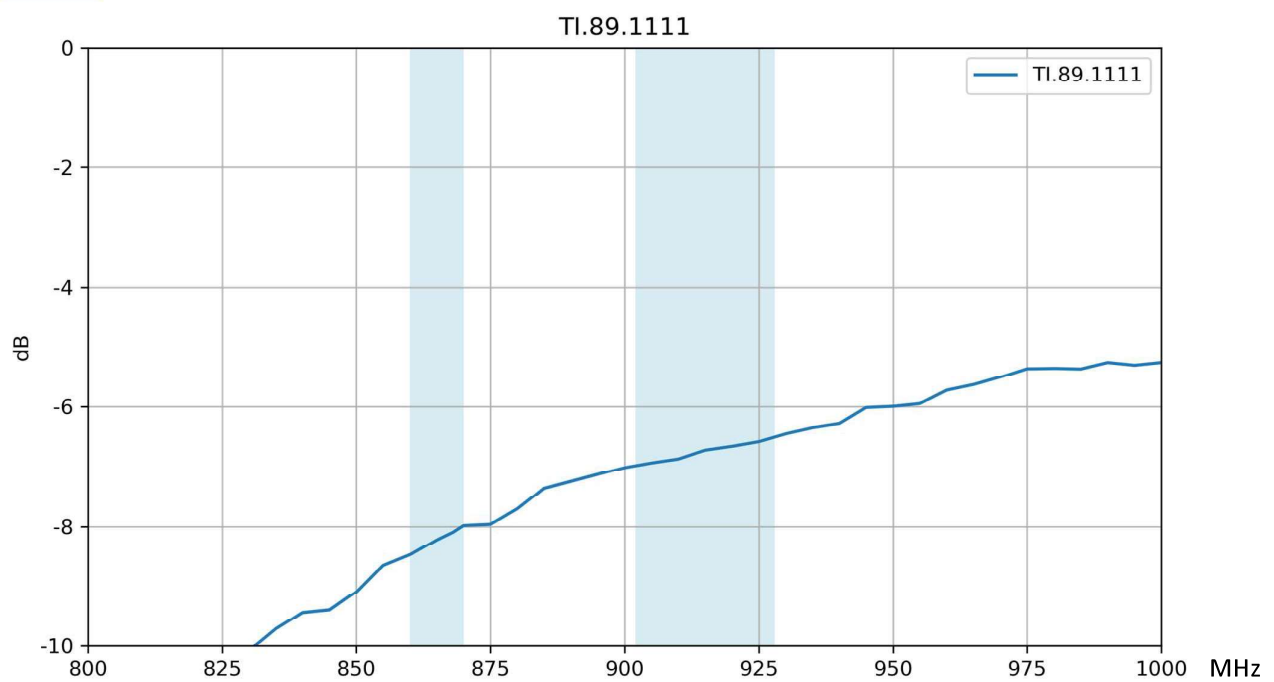
## Return Loss



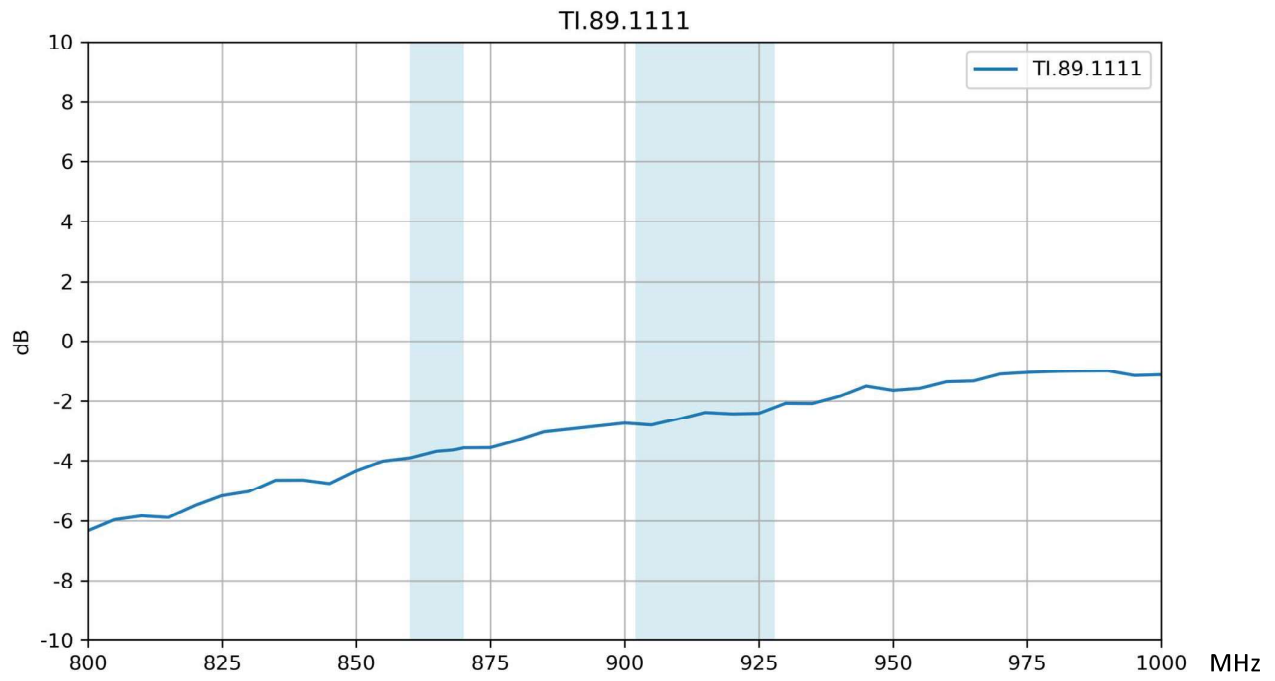
## Efficiency



## Average Gain



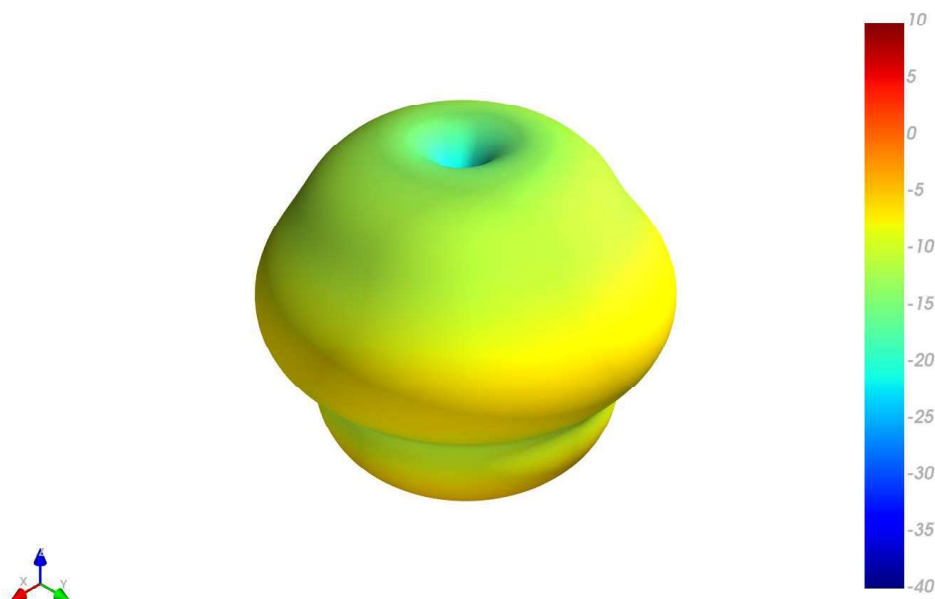
## Peak Gain



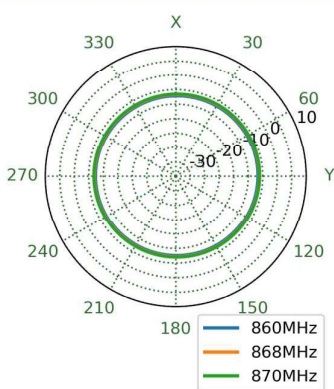
# Radiation Patterns

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

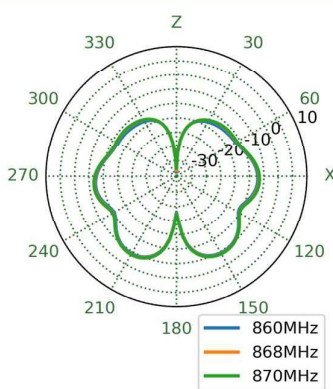
Gain total, 868MHz



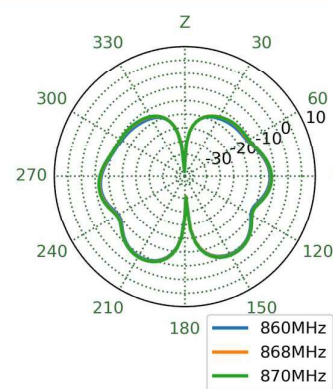
XY Plane



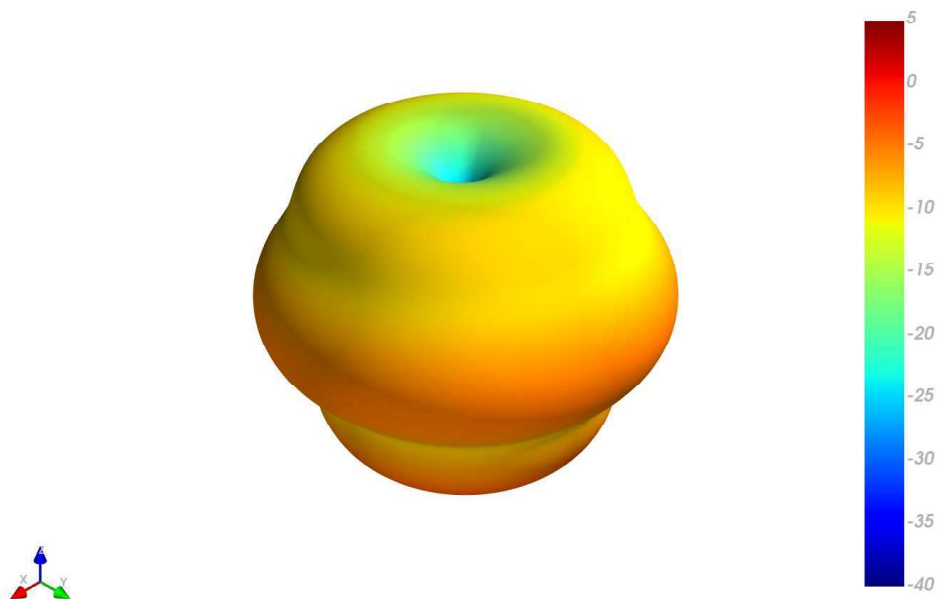
XZ Plane



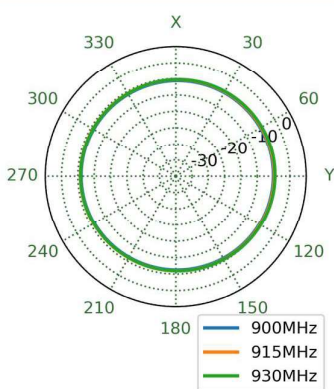
YZ Plane



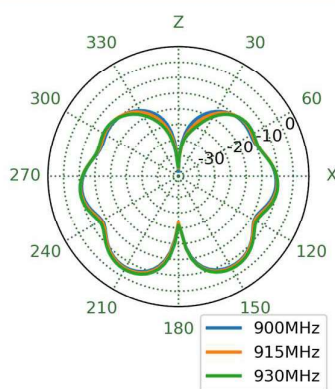
Gain total, 915MHz



XY Plane



XZ Plane



YZ Plane

