



## 2G MONOPOLE MAGNETIC MOUNT ANTENNA

### MAIN FEATURES:

- Magnetic mount (neodimium)
- Monopole structure
- Ground plane required
- RoHS Compliant
- Good Efficiency
- Indoor use



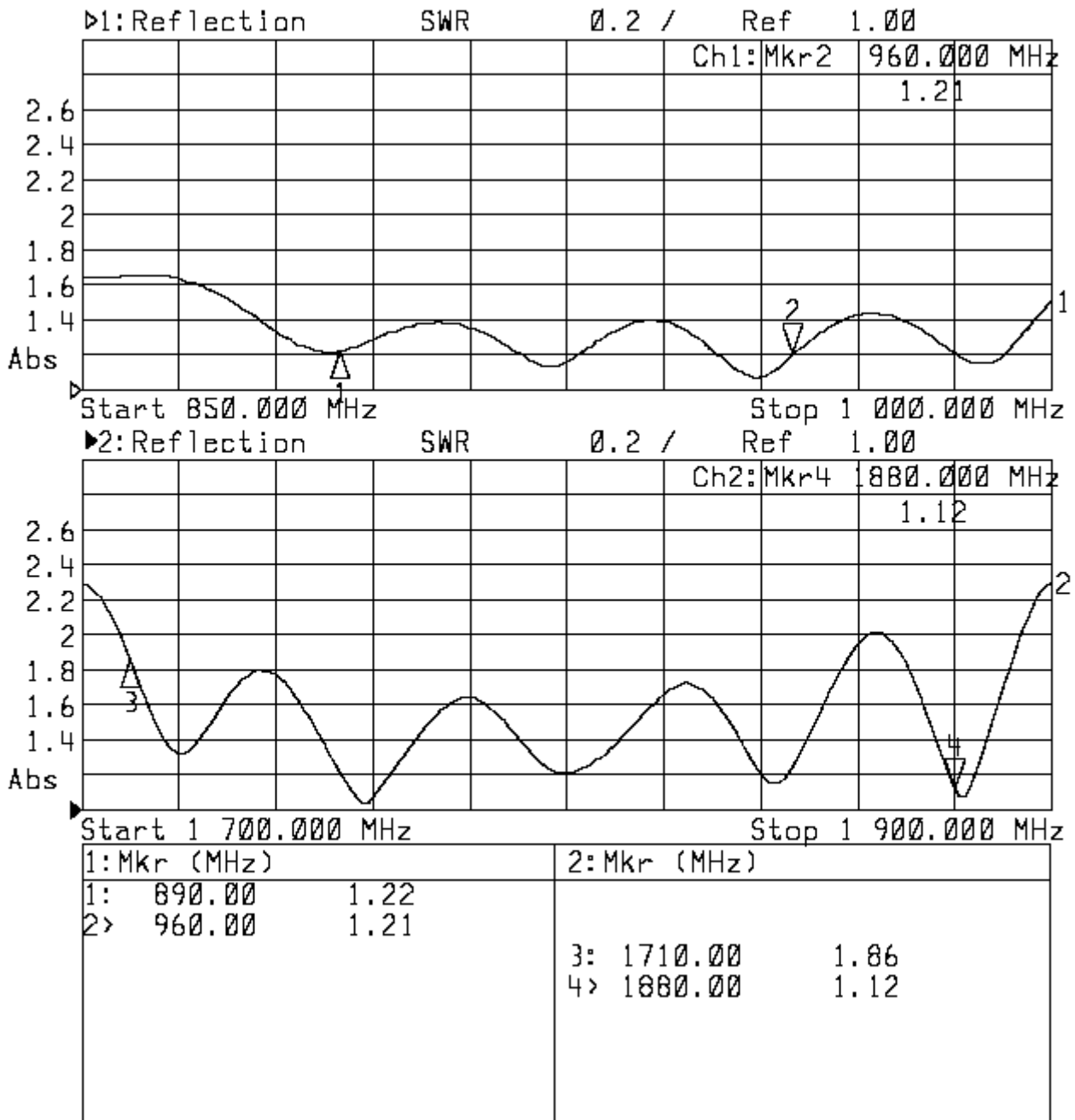
## 2G Frequency Bands

GSM 900, GSM 1800

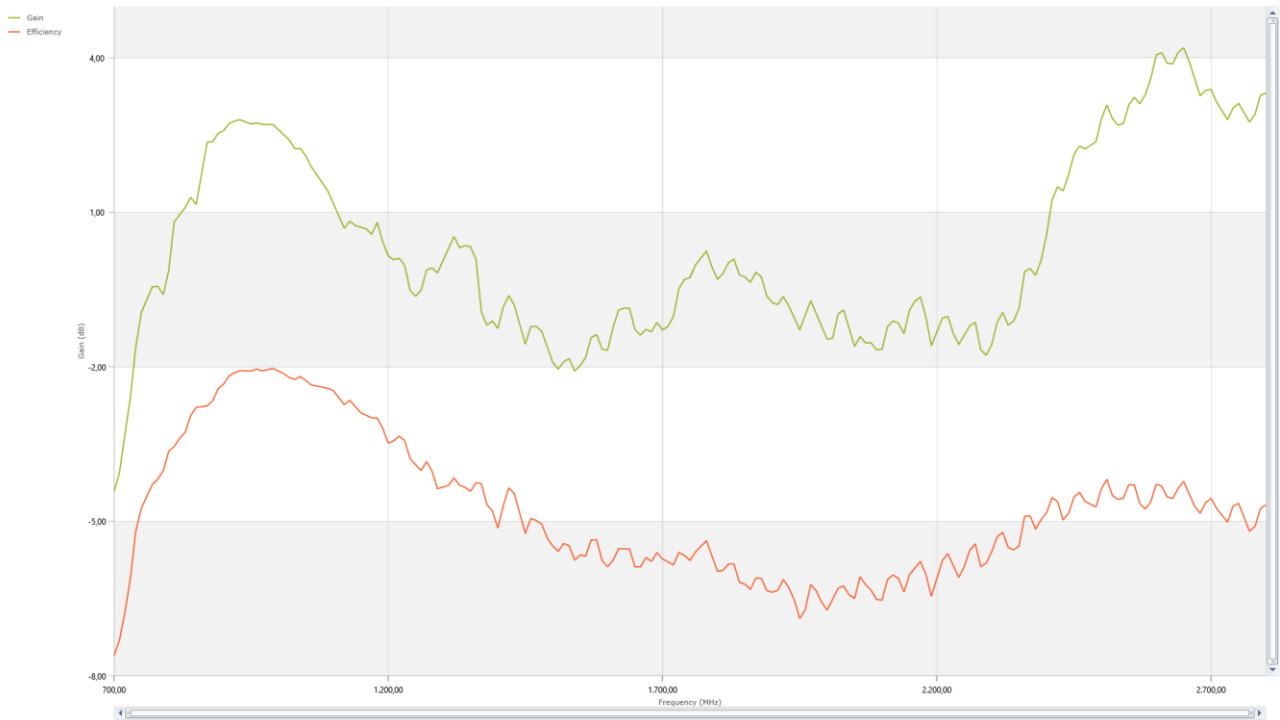
### Parameter

|                              |           |
|------------------------------|-----------|
| <b>Dimension</b>             | 104x35 mm |
| <b>Operating Temperature</b> | -20/70 °C |
| <b>Cable type</b>            | Rg174     |
| <b>Cable length</b>          | 2500 mm   |
| <b>Connector</b>             | SMA M     |
| <b>Nominal impedance</b>     | 50 Ohm    |
| <b>Outer Material</b>        | TPU       |

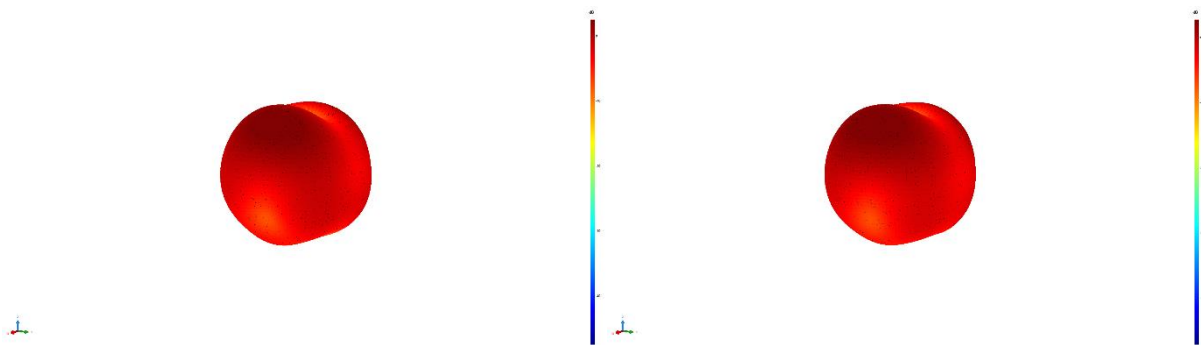
# Swr diagram



# Efficiency and gain diagram

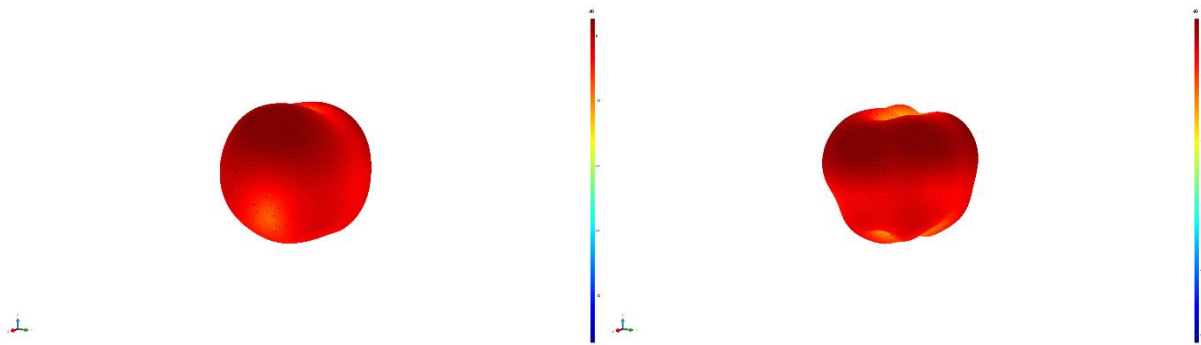


## 3D PATTERNS



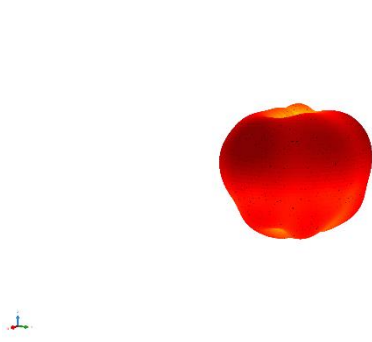
890 MHz

920 MHz

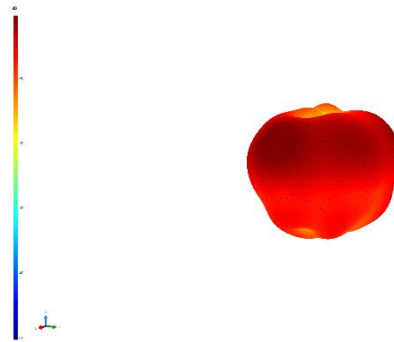


960 MHz

1710 MHz



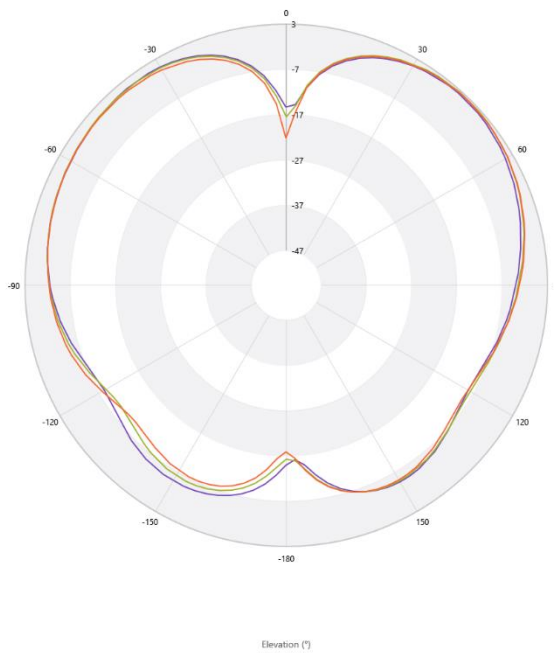
1800 MHz



1880 MHz

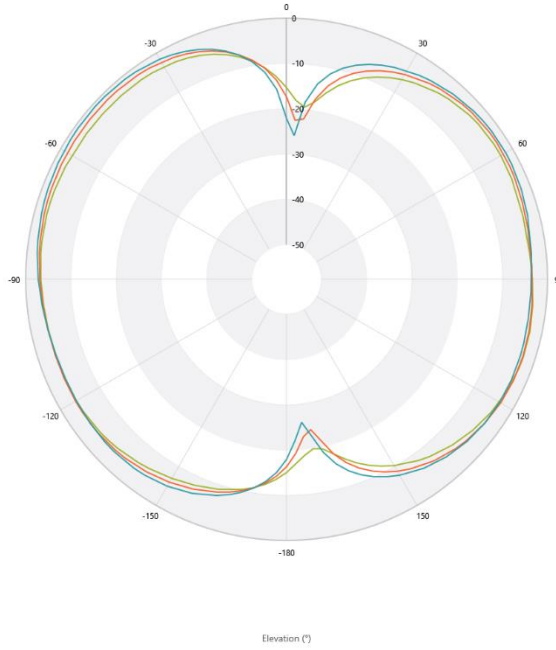
## POLAR PATTERNS

— 890 MHz 0° E. Total  
 — 920 MHz 0° E. Total  
 — 960 MHz 0° E. Total



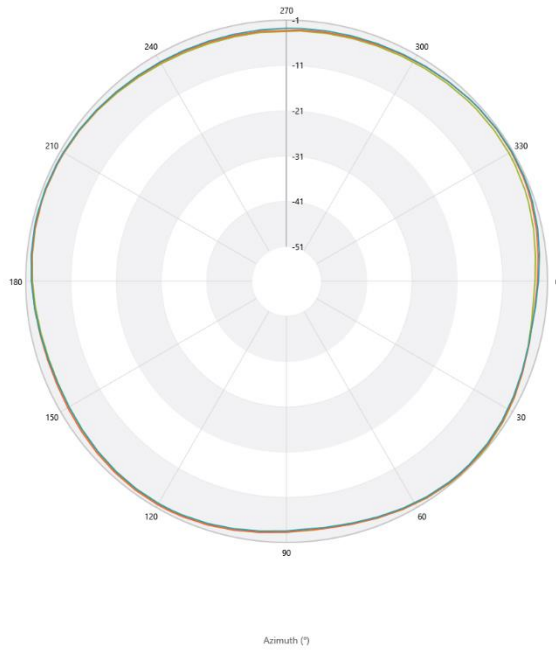
890-960 MHz ELEVATION PLANE FI= 0°

890 MHz 90 ° E Total  
920 MHz 90 ° E Total  
960 MHz 90 ° E Total



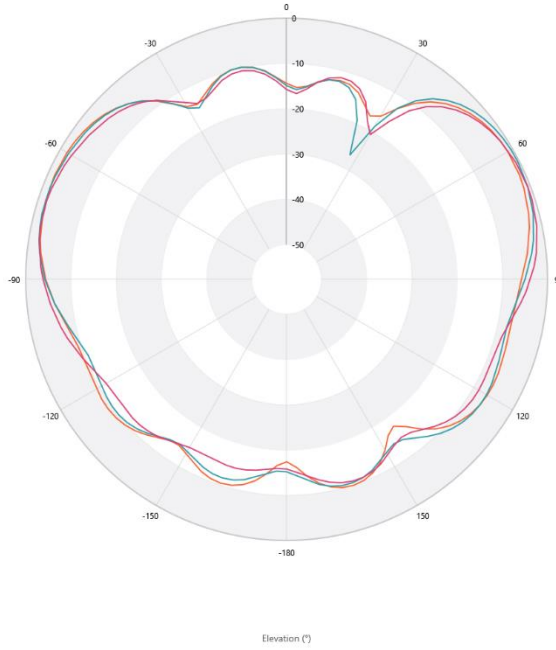
## 890-960 MHz ELEVATION PLANE FI=90°

890 MHz 90 ° E Total  
920 MHz 90 ° E Total  
960 MHz 90 ° E Total



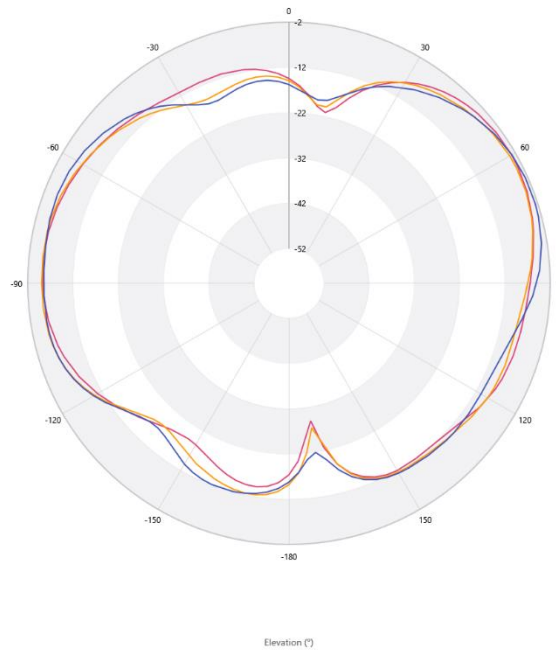
## 890-960 MHz AZIMUTH THETA=90°

1710 MHz 0° E Total  
1800 MHz 0° E Total  
1880 MHz 0° E Total



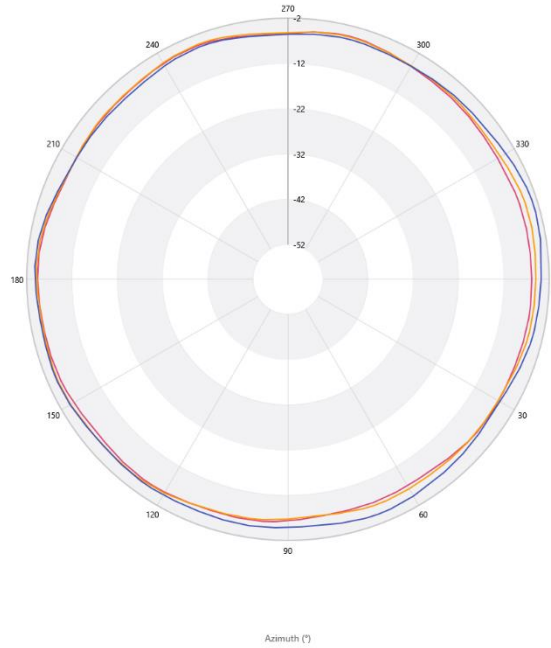
## 1710-1880 MHz ELEVATION PLANE FI=0°

1710 MHz 90° E Total  
1800 MHz 90° E Total  
1880 MHz 90° E Total



## 1710-1880 MHz ELEVATION PLANE FI=90°

- 1710 MHz 90 ° E Total  
 - 1800 MHz 90 ° E Total  
 - 1880 MHz 90 ° E Total



## 1710-1880 MHz AZIMUTH THETA=90 °

All data are measured with a 300x300mm  
conductive ground plane

## COAXIAL LINE CHARACTERISTICS

|         | Dielectric strength (kV) | Insulation Resistance (MOhm.km) | Impedance (Ohm) | Capacitance (pF/m) | Speed (%) | Weight (kg/km) | Min bending Indoor radius |
|---------|--------------------------|---------------------------------|-----------------|--------------------|-----------|----------------|---------------------------|
| Rg174/u | 2.0                      | >5000                           | 50+/-2          | 100+/-5            | 0.66      | 15             | 15                        |