

## R2G5A Series Covert Dashboard Antenna



The RFMAX R2G5A Series Antenna is designed for easy installation and covert applications. The R2G5A antenna is ideal for fleet applications that require high performance and consistent network connection while offering discrete placement on the dash or inside the dashboard.

- 1 x Wideband Cellular 5G / 4G LTE Elements (MIMO)
- 1 x GNSS Antenna
- Low profile, compact footprint
  - L = 3.3 x W = 1.4 Inches
- Built-in Ground Plane
- Adhesive Mount

The 2-in-1 dashboard mount, R2G5A antenna, is designed for use with the most popular mobile routers on the market such as Sierra Wireless Airlink, Cradlepoint, Digi and more. Also designed for covert vehicular installations with dual pass through docking stations such as Getac & Havis. The antenna is Band 14, FirstNet, ready and designed to cover 4G/5G LTE networks as well as dual band WiFi. The antenna is designed to be mounted on any non-conductive surface and can be installed under the vehicle dashboard or simply on top of it.



WiFi



5G



GPS / GNSS



CUSTOMIZABLE

### Part Numbers Configurator:

R2G5A	10	SSM
Model	Cable Length (feet)	Connector Type (See Page 3 for options)

## ELECTRICAL DATA

Frequency (MHz)	5GNR/LTE Primary	617-960/1427-2690/ 3300-5000/5150-5925
	GPS/GLONASS	1575/1602
VSWR	5GNR/LTE Primary (617-960/1427-2690/3300-5000/5150-5925 MHz)	2.0:1/1.6:1/1.7:1/1.5:1
Peak Gain (dBi)		3.3/2.0/0.5/0.6
Power Rating (W)		25
Impedance (ohm)		50

## GPS/LNA DATA

Frequency (MHz)	1575.42/1602
VSWR	<1.4:1
Return Loss (dB)	<15.0
Active Gain (dB)	28 @ 2.7 V
Noise Figure (dB)	1.5 Typ
Polarization	RHCP
Voltage (V)	1.5-3.6

## ENVIRONMENTAL DATA




Operating Temperature (Celsius)	-40 to + 85
Storage Temperature (Celsius)	-40 to + 85
ROHS Compliant	Yes
Ingress Protection	IP67, IP69

## MECHANICAL DATA

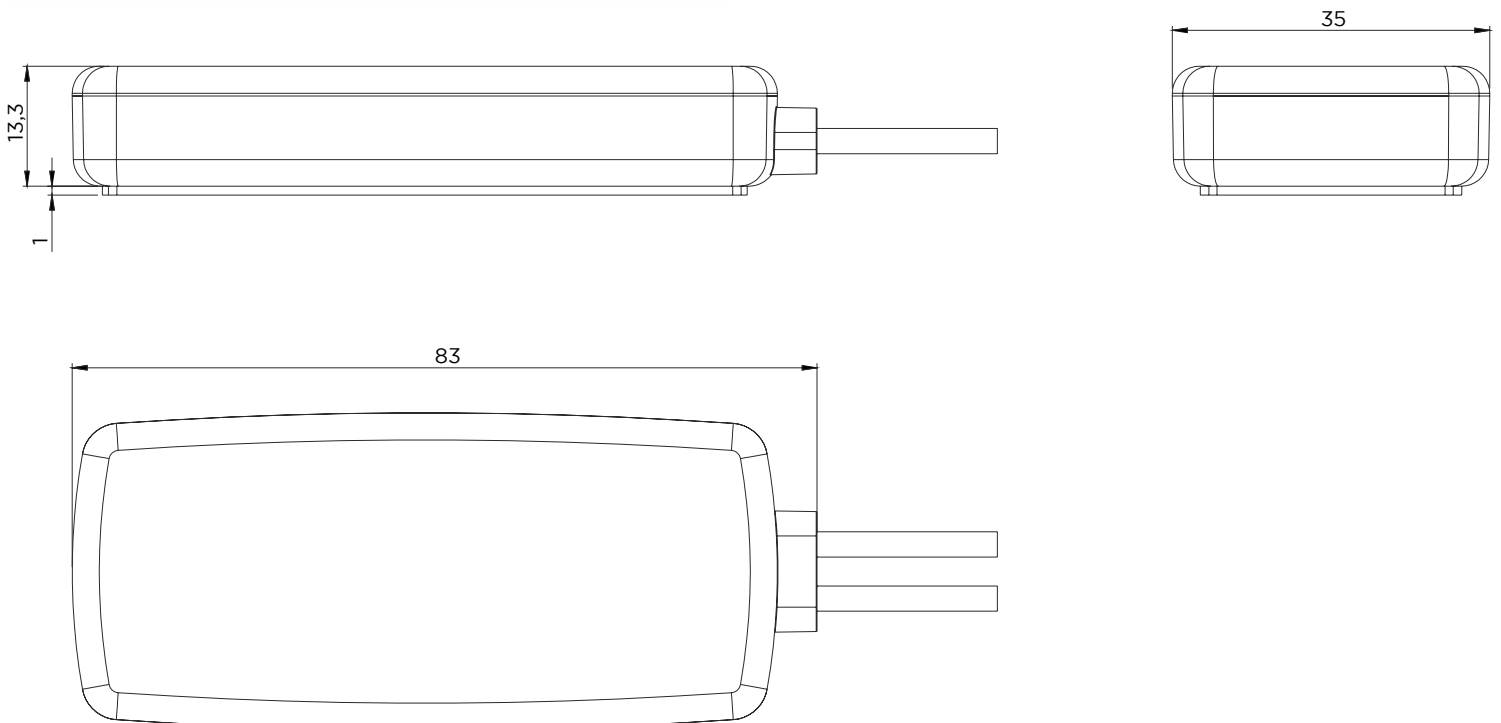
Color	Black
Mounting Type	Adhesive Mount
Dimensions (Length x Width x Height)	83 x 35 x 13.3 mm (3.15 x 2.91 x 1.0 inches)
Radome Material	ABS UV Stable
Cable Type	LL-100

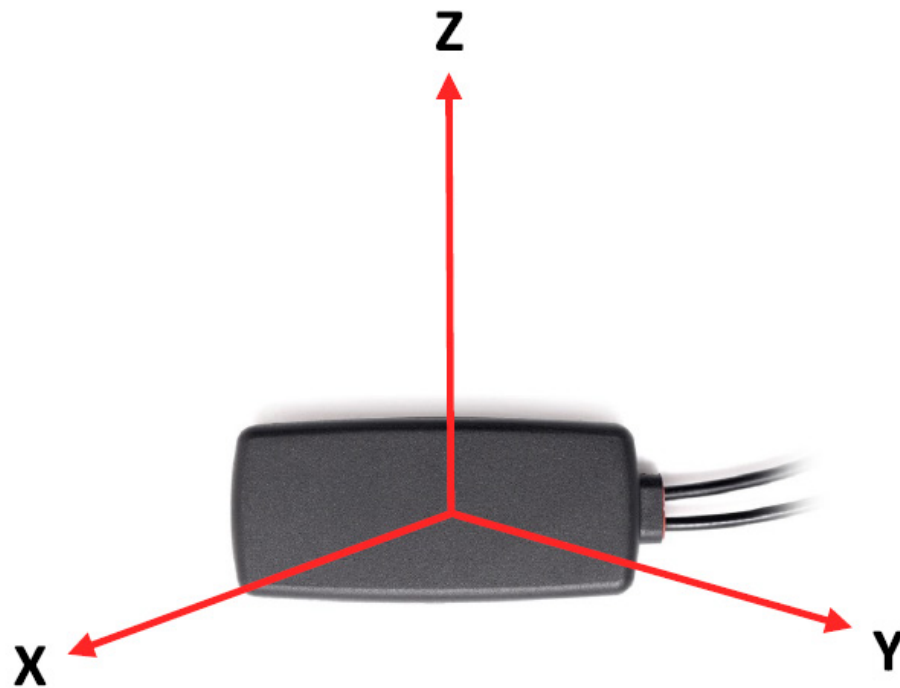
## CONNECTOR OPTIONS

### Part Number Configurator - Connector Options

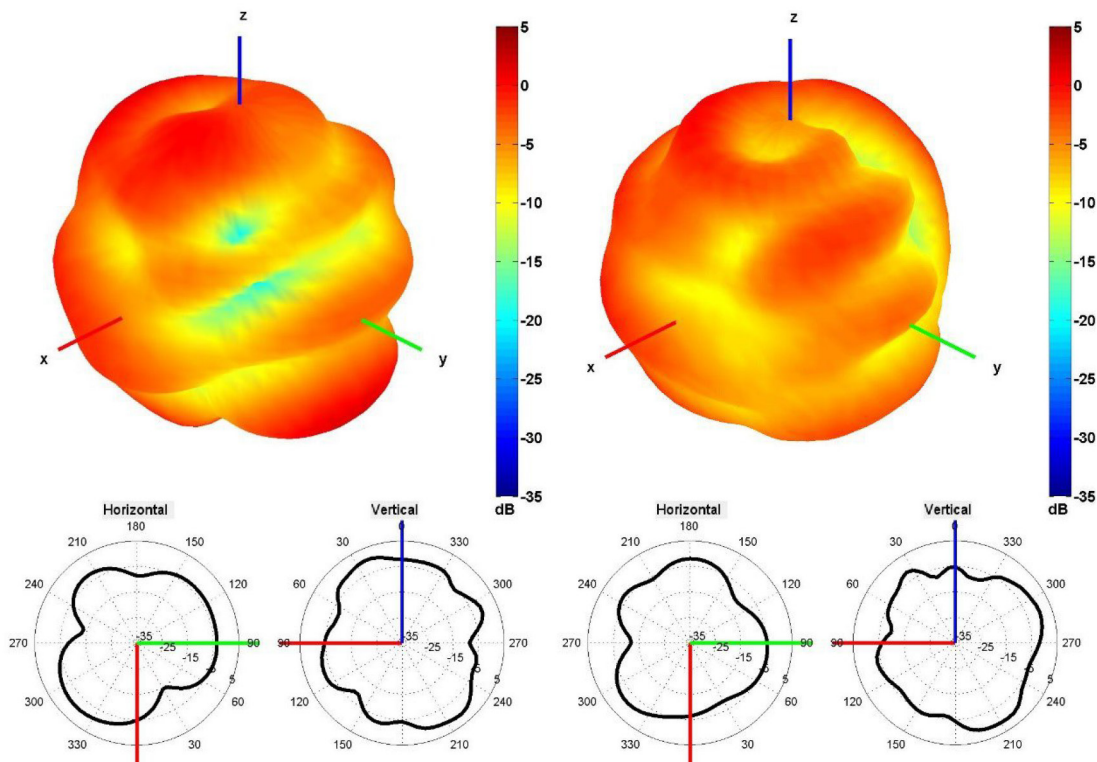
Connector Nomenclature	Connector Type	Connector Image
SQM	Standard QMA Male	
SSM	Standard SMA Male	
STM	Standard TNC Male	

## MECHANICAL DRAWING



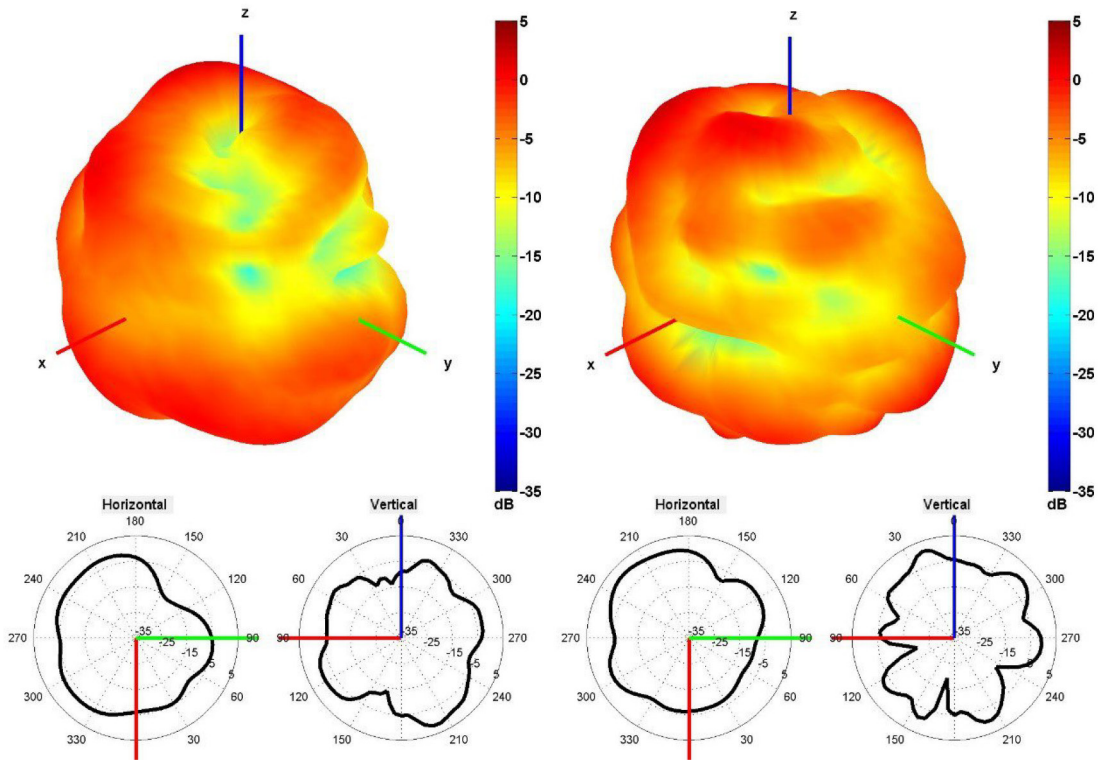


5G/4G Cable

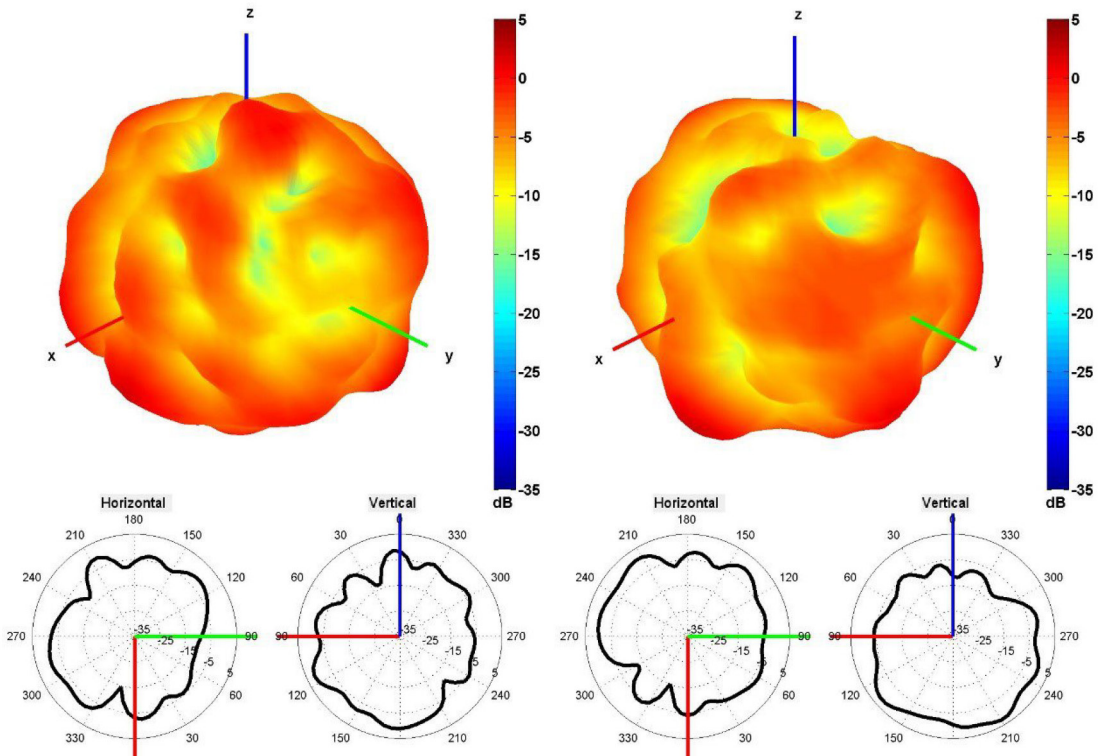


650 and 750 MHz Radiation pattern

# 5G/4G Cable

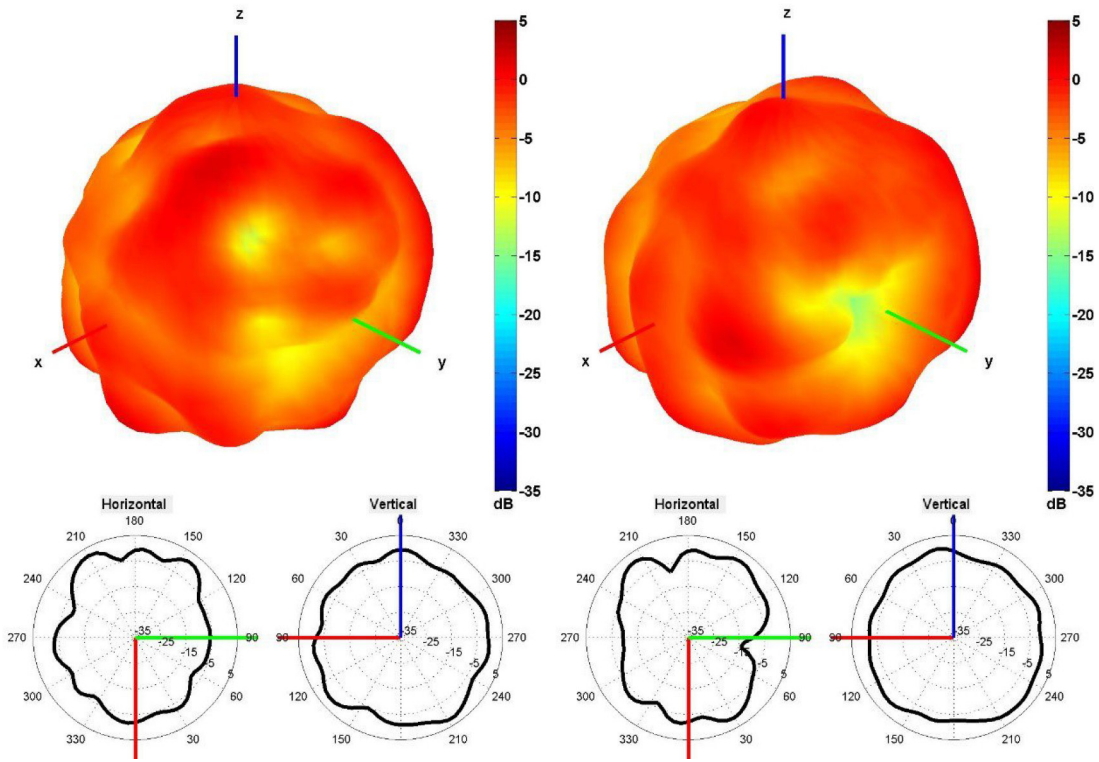


850 and 940 MHz Radiation pattern

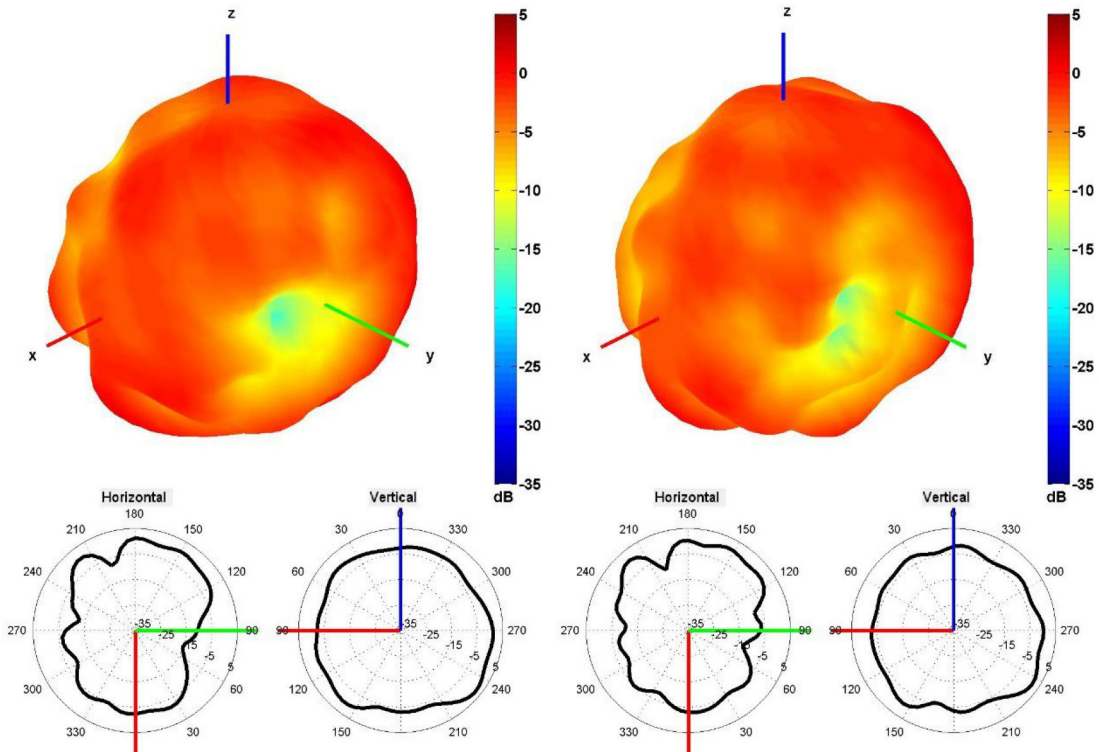


1500 and 1600 MHz Radiation pattern

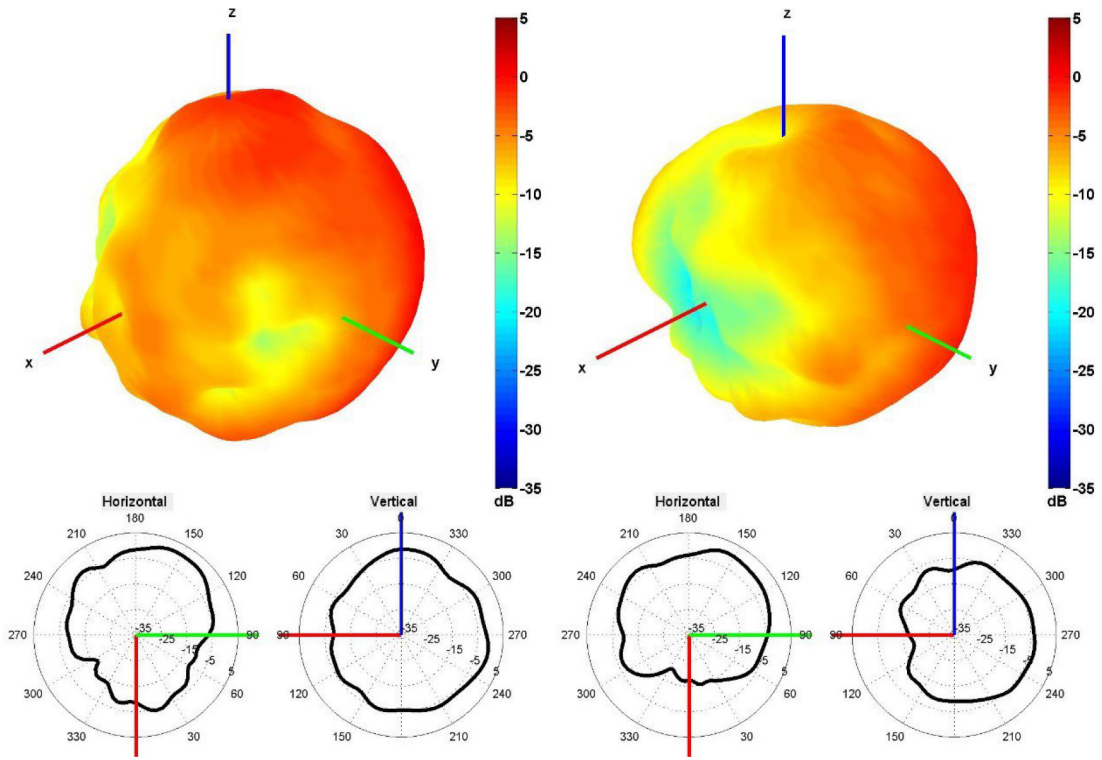




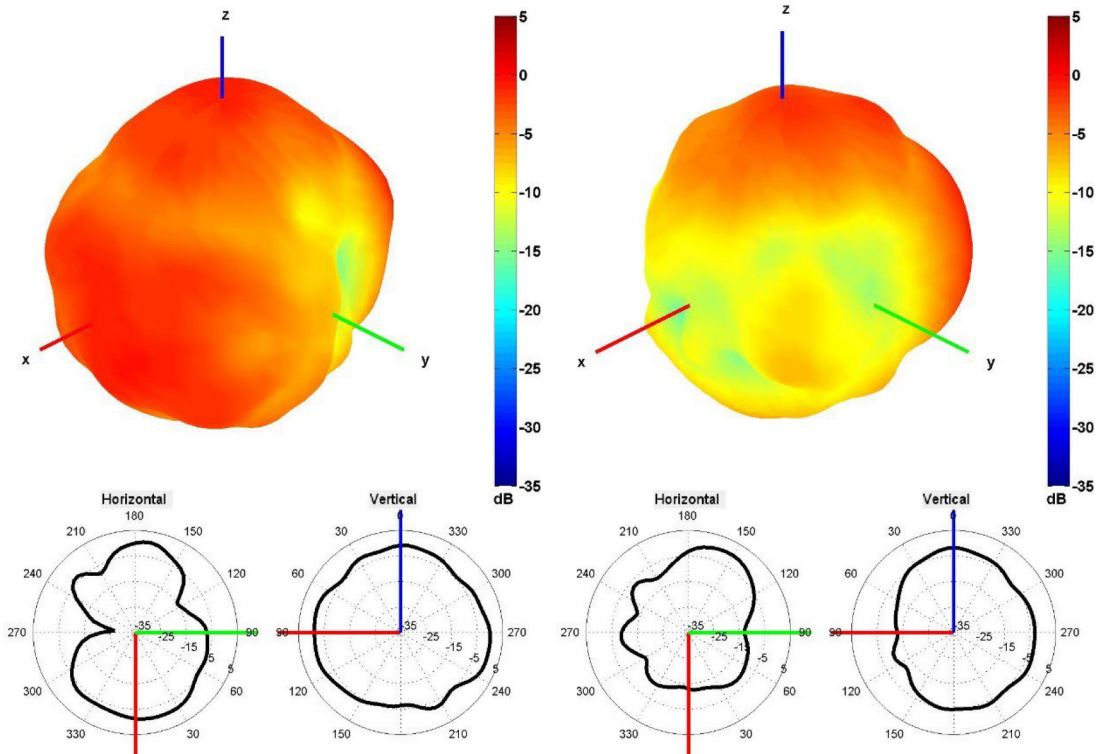
1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

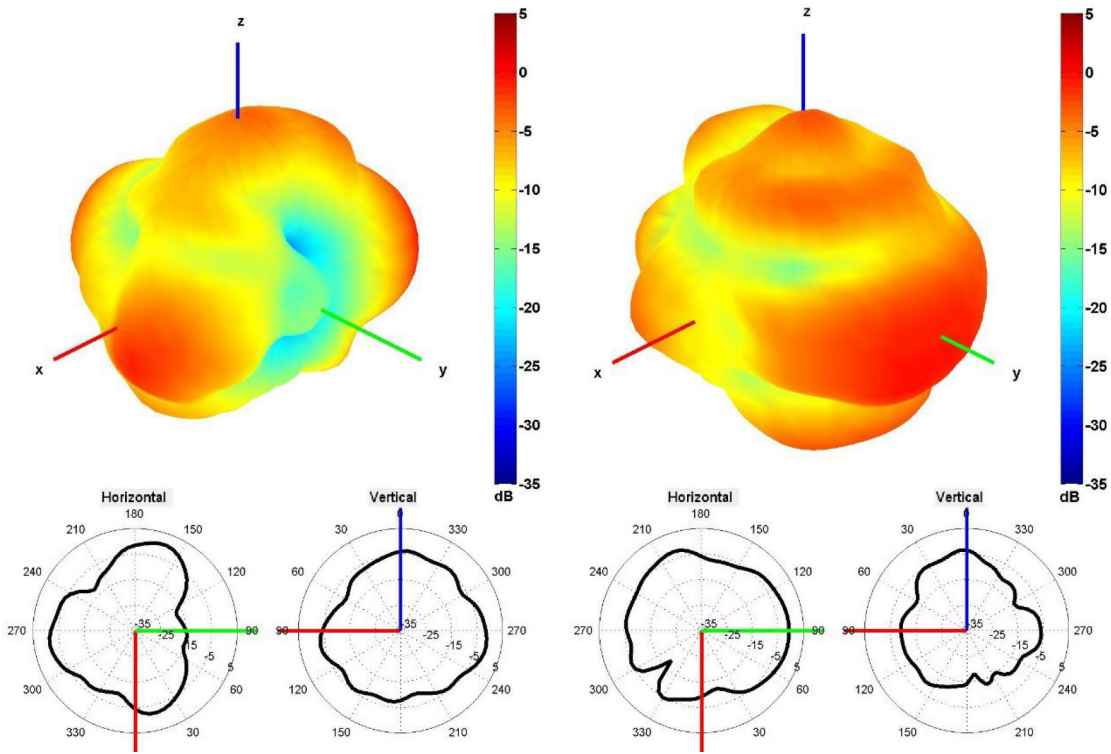


2350 and 2600 MHz Radiation pattern



3350 and 3600 MHz Radiation pattern

# 5G/4G Cable



4500 and 5500 MHz Radiation pattern

