

R2WA

Candy Bar Style Antenna



The RFBMax Candy Bar antenna is designed for easy installation and covert applications. The Candy Bar 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. The antenna is ground-plane independent and can be mounted directly on the dashboard of a vehicle.

- 2 x Wideband Cellular/LTE Elements (MIMO)
- 2 x 2.4/4.9-6Ghz Diversity Spaced Wi-Fi Elements
- 1 x GNSS Antenna
- Low profile and thinner footprint
- Built-in Ground Plane
- Adhesive Mount



WIFI



LTE



GPS / GNSS



CUSTOMIZABLE

The 5-in-1 dashboard mount Candy Bar antenna is designed for use with the most popular mobile routers on the market. The antenna is Band 14, FirstNet, ready and designed to cover 4G LTE networks. 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.

Example of Part Numbers:

R2WA-G44WW-10-SSSRR

Part Numbers Configurator:

R2WA	1	2	2	10	SSSRR
Model	GPS	#LTE	#WiFi	Coax Length (feet)	Connectors (SMA, RPSMA)

ELECTRICAL DATA

Frequency & Gain (peak)	Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi 1710-2750 MHz, 4 dBi
	Cable 3 & 4 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 3/4 dBi
	Cable 5 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi
	Optional GPS & Glonass	1575 MHz & 1612 MHz
VSWR	2:1 VSWR over Range	
Impedance	50 Ohm [Ω] Nominal	
Maximum Power	25 Watts	
Case size	6" long x 2.4" wide x 3/4" tall	

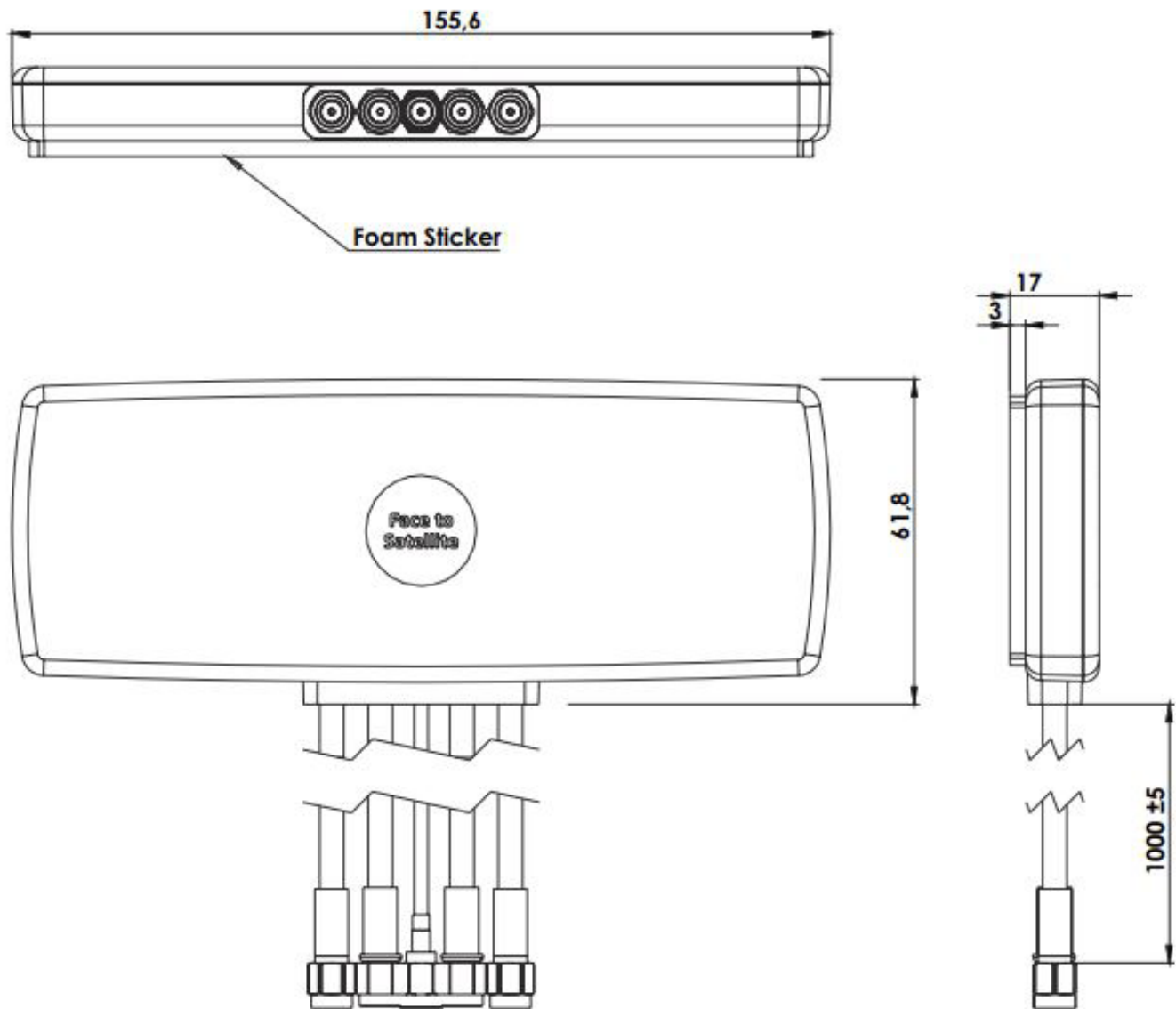
MECHANICAL SPECIFICATIONS

Radome Material	ASA UV-Stable Plastic
Connectors	Standard SMA/RP SMA
Cable 1-5 Separate	RG-174,10 ft. (3m)
Mounting	Adhesive mounting

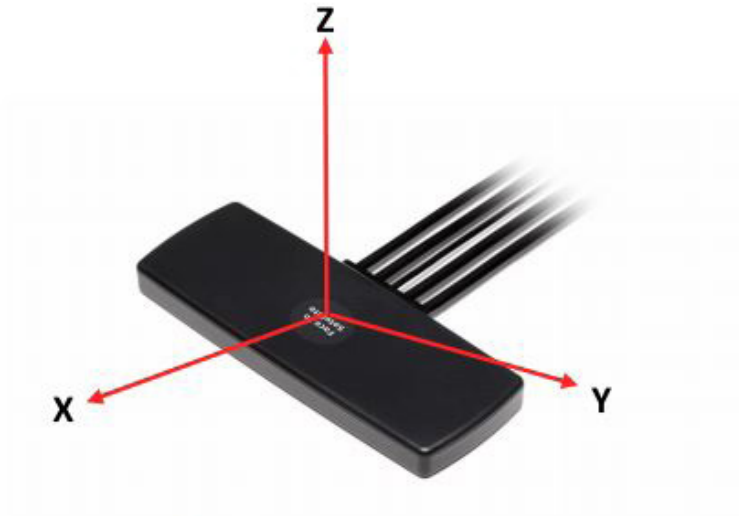
ENVIRONMENTAL DATA

Operating Temperature	-40° to +85° C
Shock and Vibration	IEEE1478, EN61373
Water Ingress	IP67

MECHANICAL DRAWING

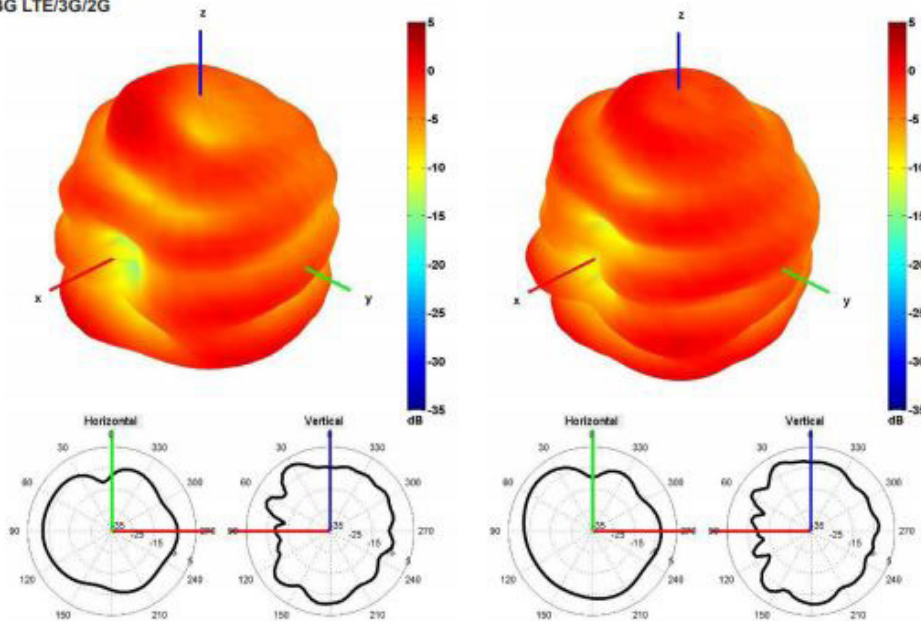


RADIATION PATTERNS

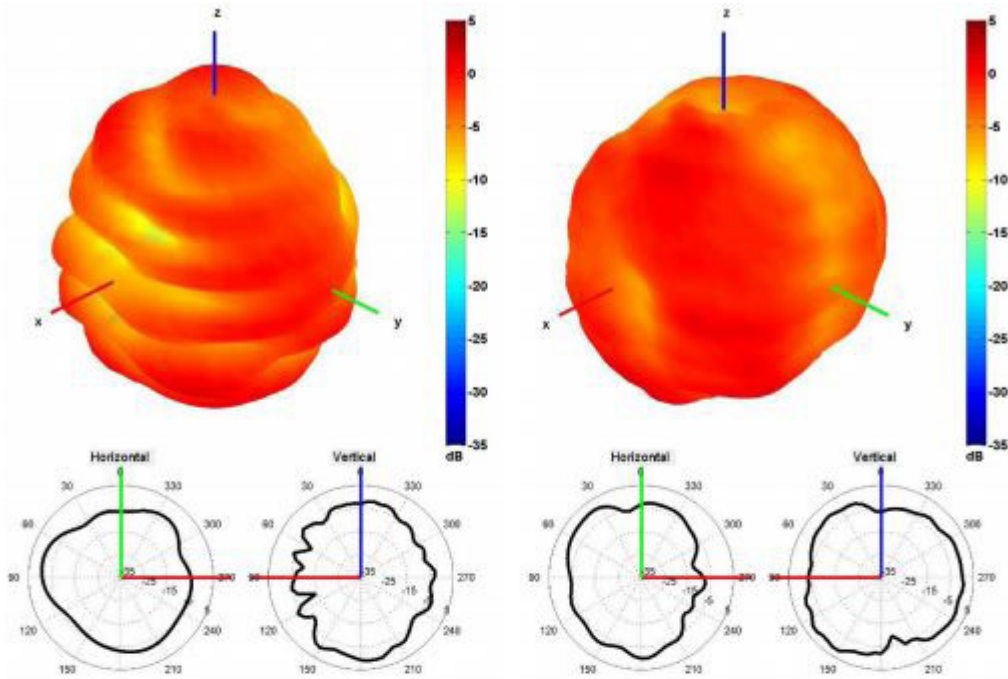


Radiation pattern reference

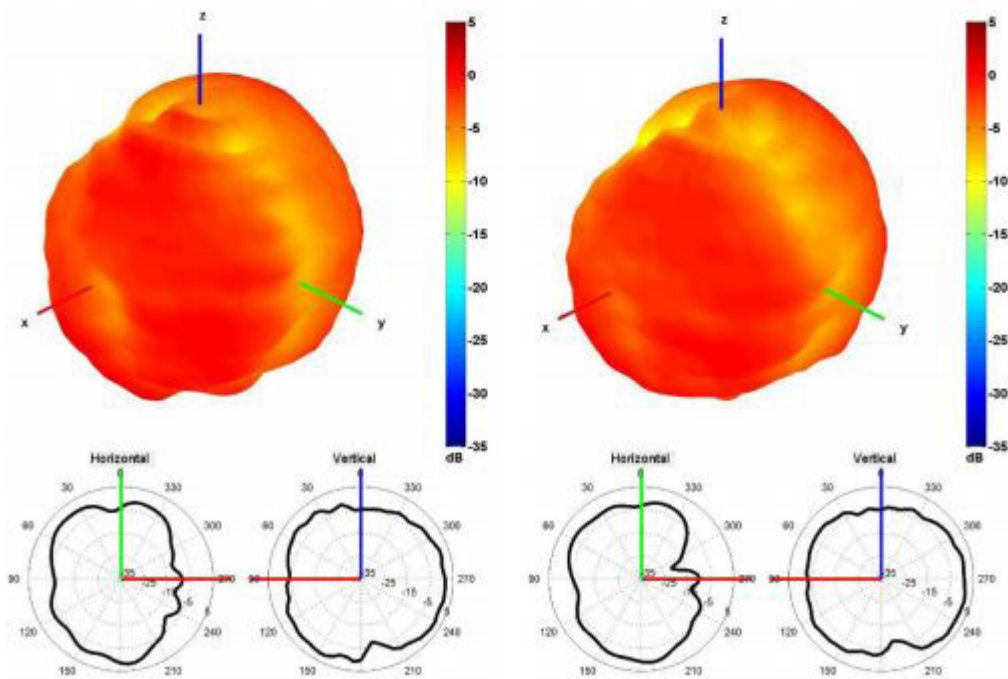
Cable 1: 4G LTE/3G/2G



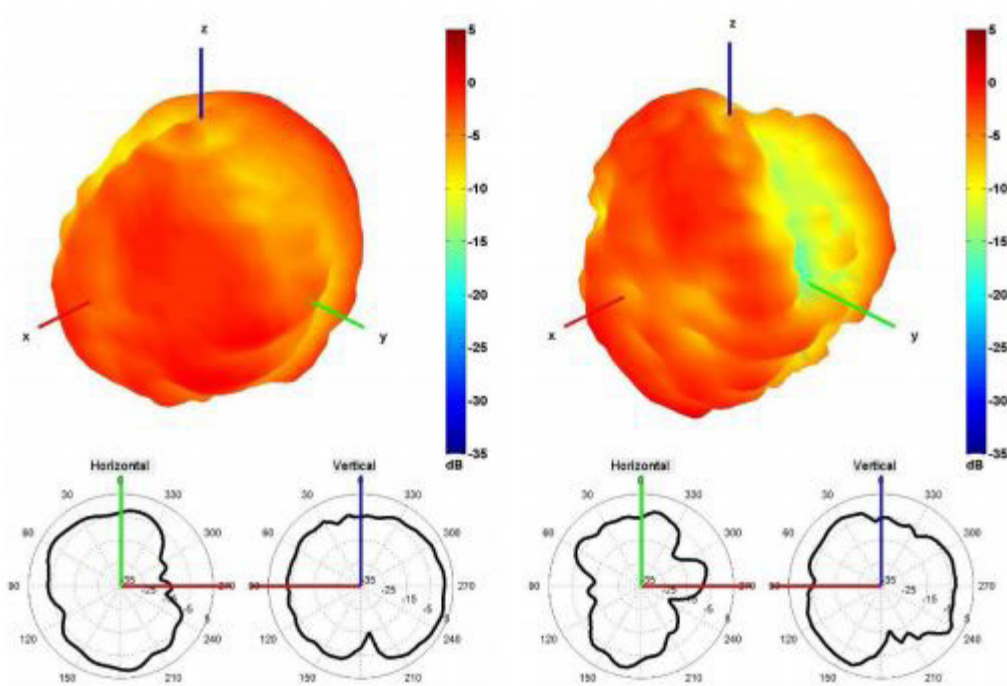
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

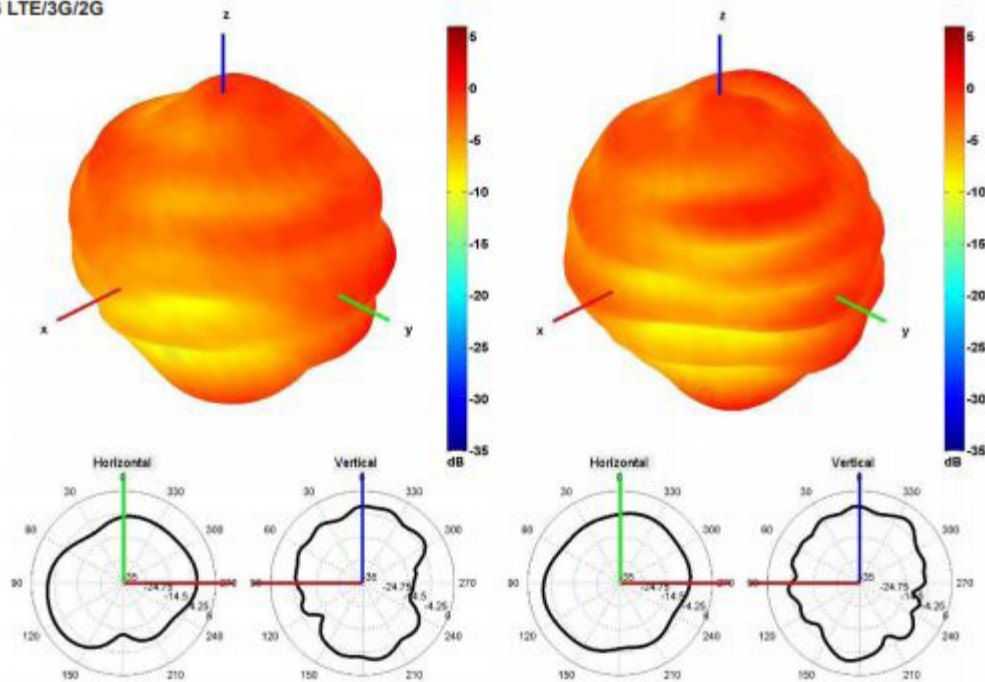


1850 and 1950 MHz Radiation pattern

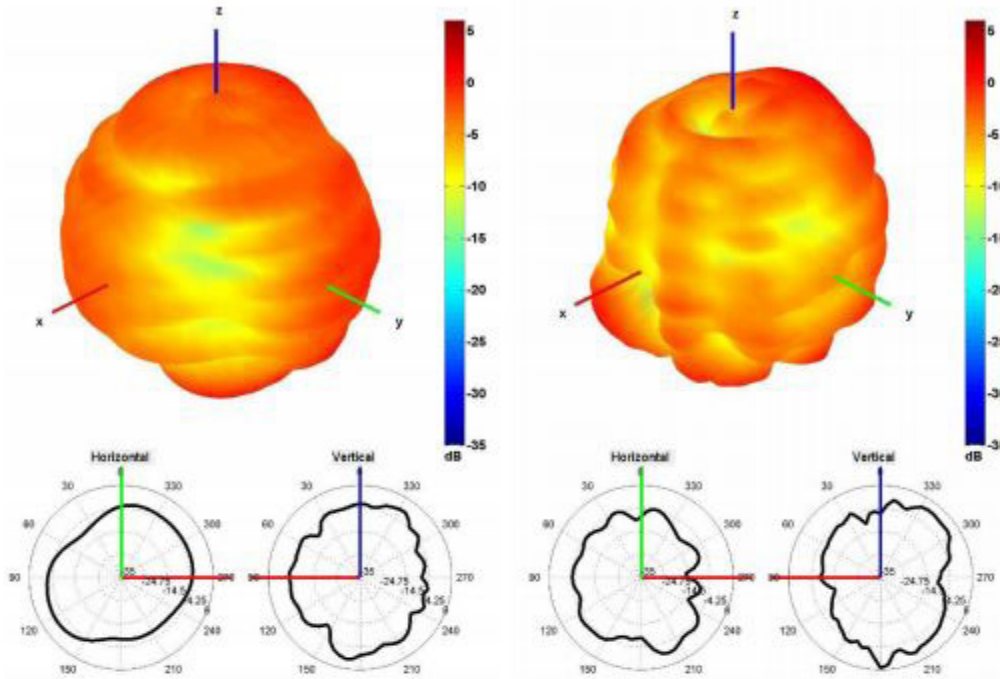


2100 and 2600 MHz Radiation pattern

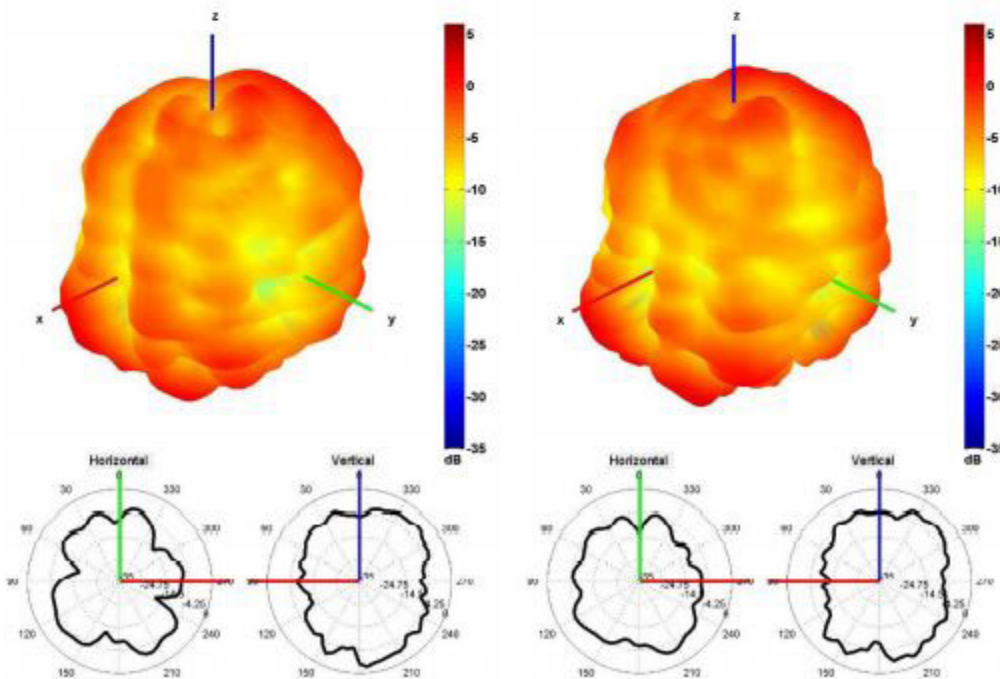
Cable 2: 4G LTE/3G/2G



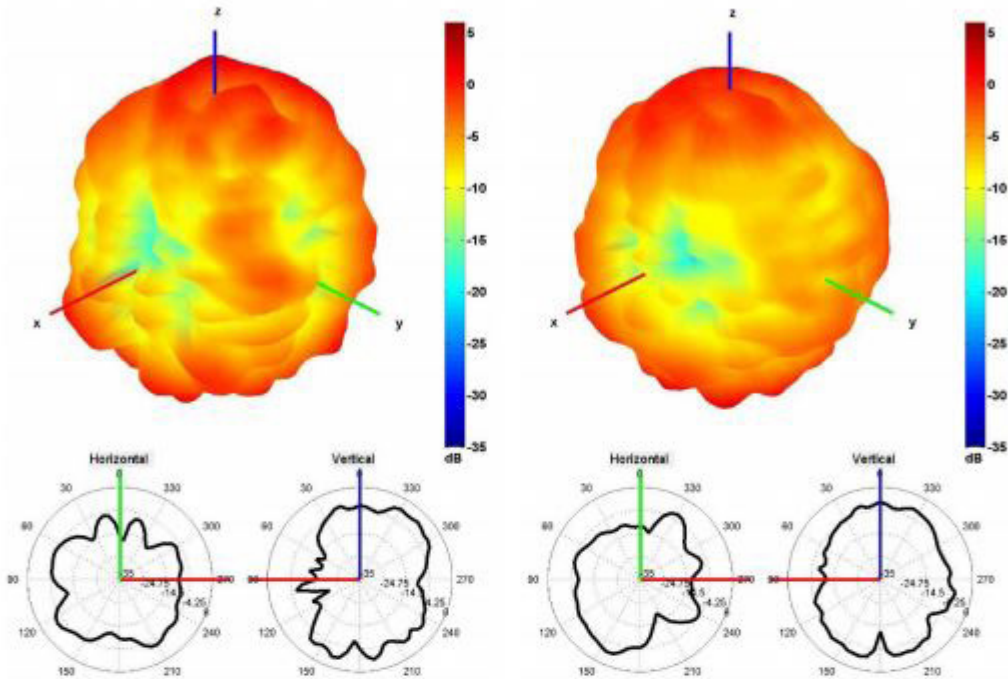
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

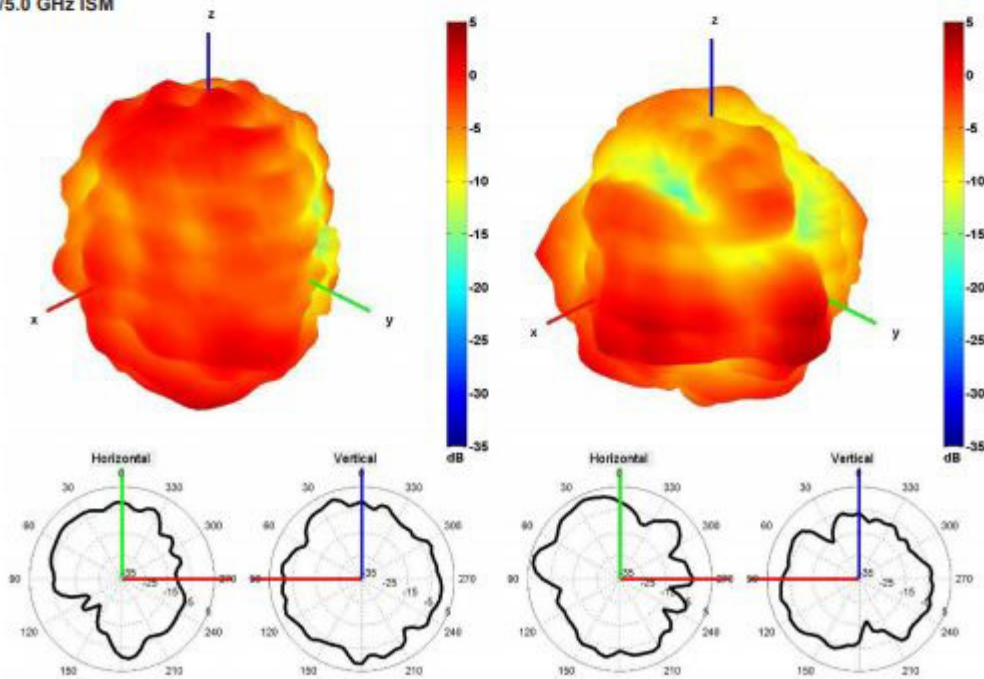


1850 and 1950 MHz Radiation pattern



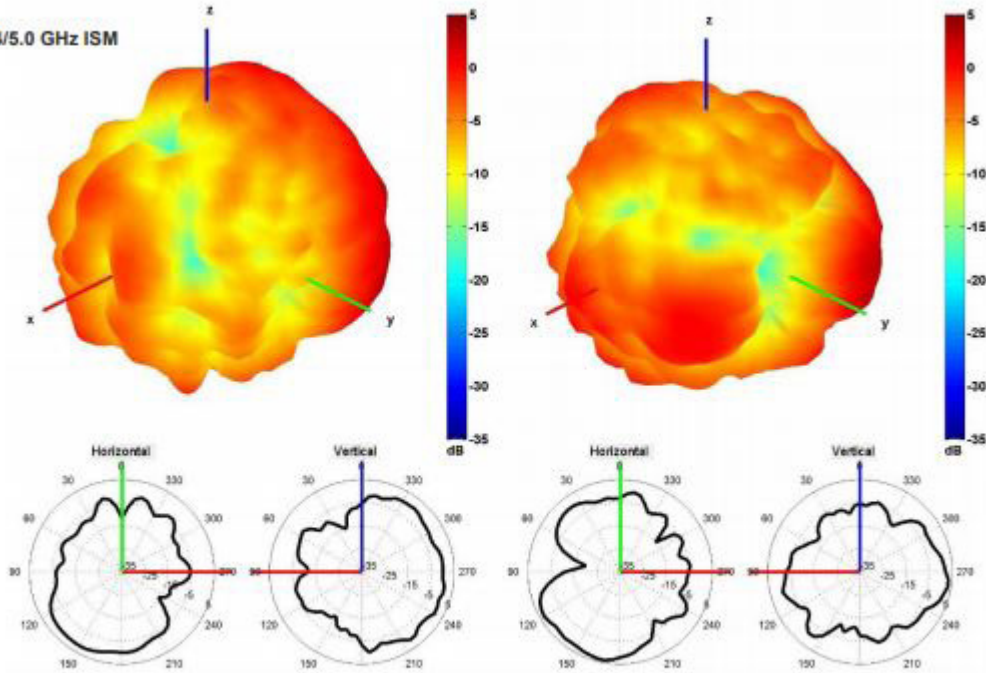
2100 and 2600 MHz Radiation pattern

Cable 3: 2.4/5.0 GHz ISM



2450 and 5500 MHz Radiation pattern

Cable 4: 2.4/5.0 GHz ISM



2450 and 5500 MHz Radiation pattern