

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 5G / 4G LTE Elements (MIMO)
- 2 x 2.4/4.9-6 Ghz Diversity Spaced Wi-Fi Elements
- 1 x GNSS Antenna
- Low profile and thinner footprint
- Built-in Ground Plane
- Adhesive Mount



WIFI



5G



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/5G 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-G55WW-10-SSSRR

Part Numbers Configurator:

R2WA	1	2	2	10	SSSRR
Model	GPS	#5G	#WiFi	Coax Length (feet)	Connectors (SMA, RPSMA)

ELECTRICAL DATA

Frequency & Gain (Average)	Cable 1 & 2 (Global 5G)	617-960 MHz, 3.4 dBi 1427-2690 MHz, 4.2 dBi
	Cable 1 & 2 (Global 5G)	3300-5000 MHz, 5 dBi ; 5150-5925 MHz, 8.6 dBi
	Cable 3 & 4 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 6.3/3.3 dBi
	Cable 5 (GNSS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi
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	

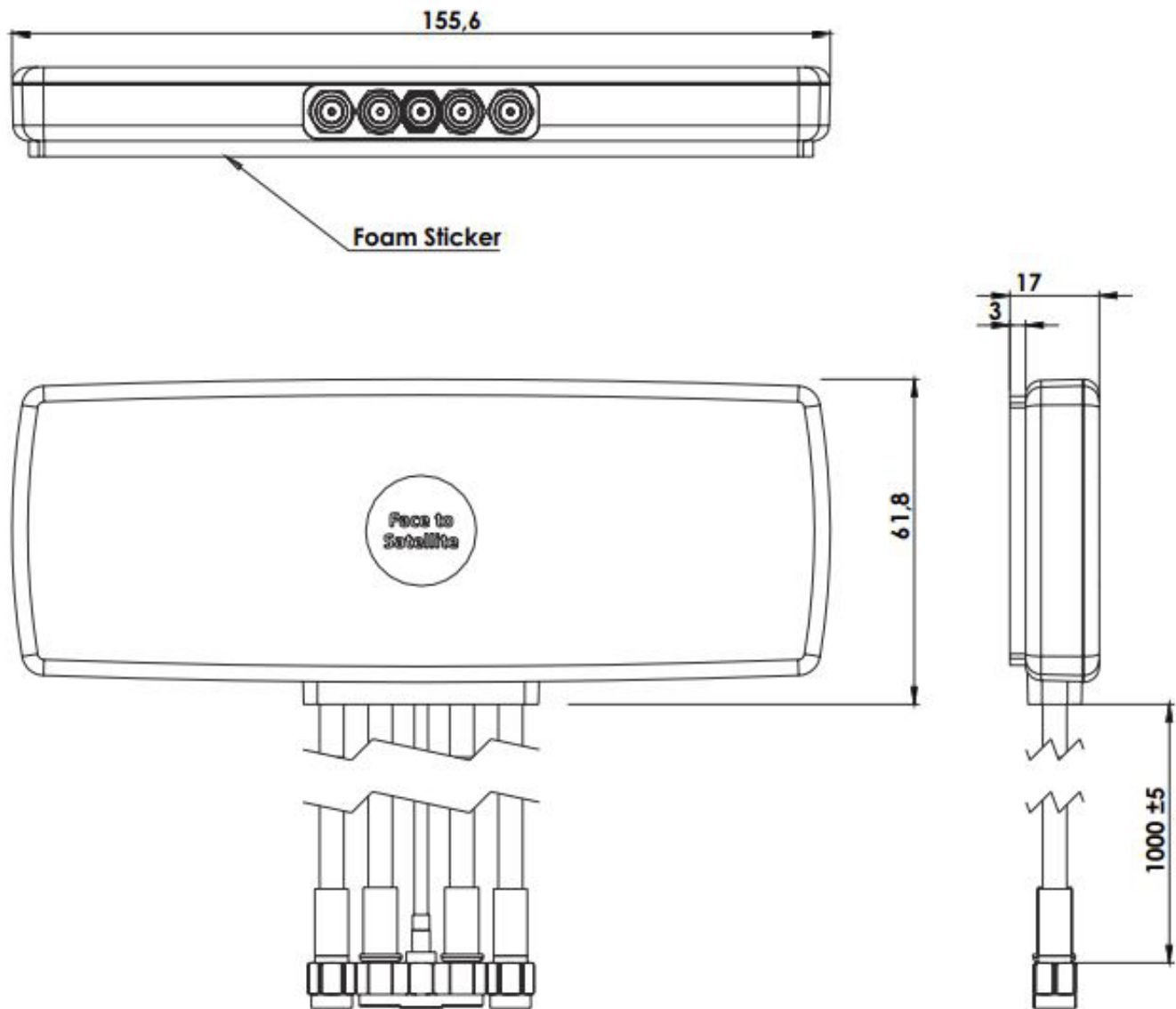
MECHANICAL SPECIFICATIONS

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

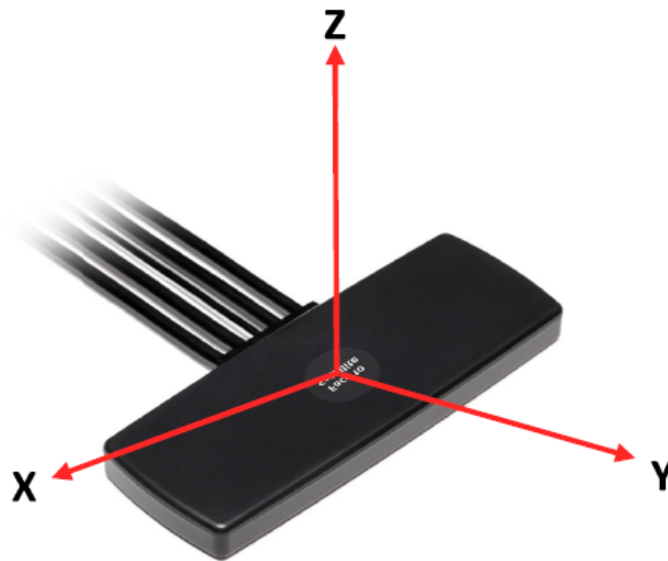
ENVIRONMENTAL DATA

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

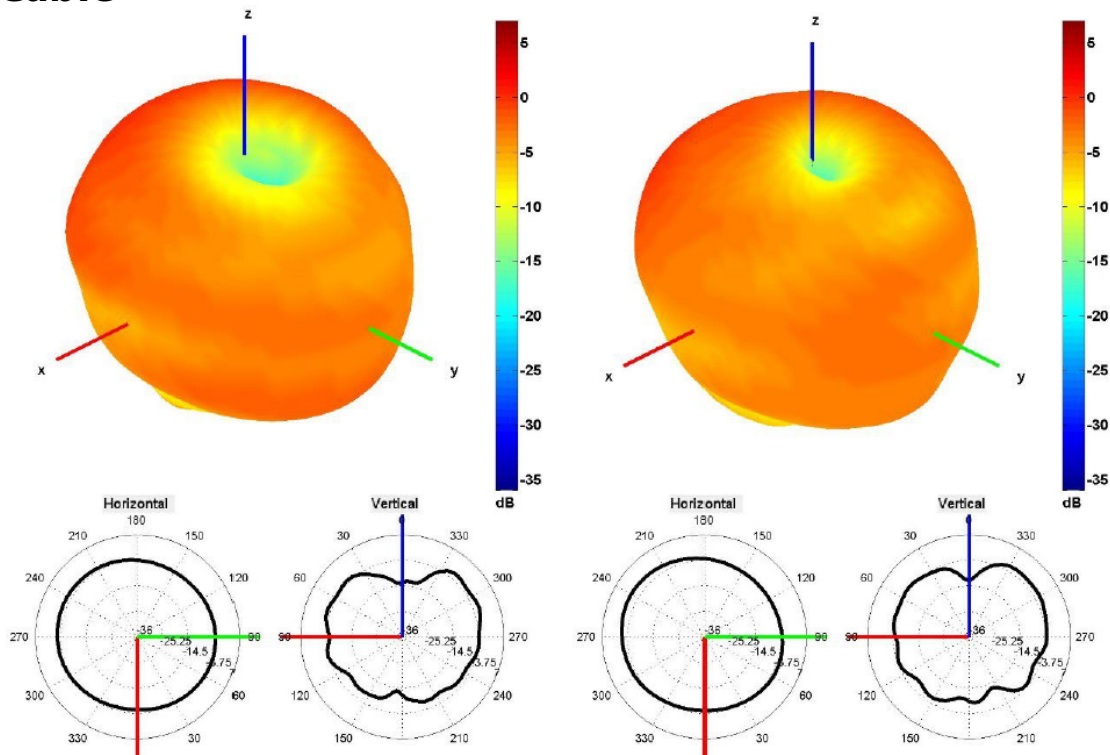
MECHANICAL DRAWING



RADIATION PATTERNS

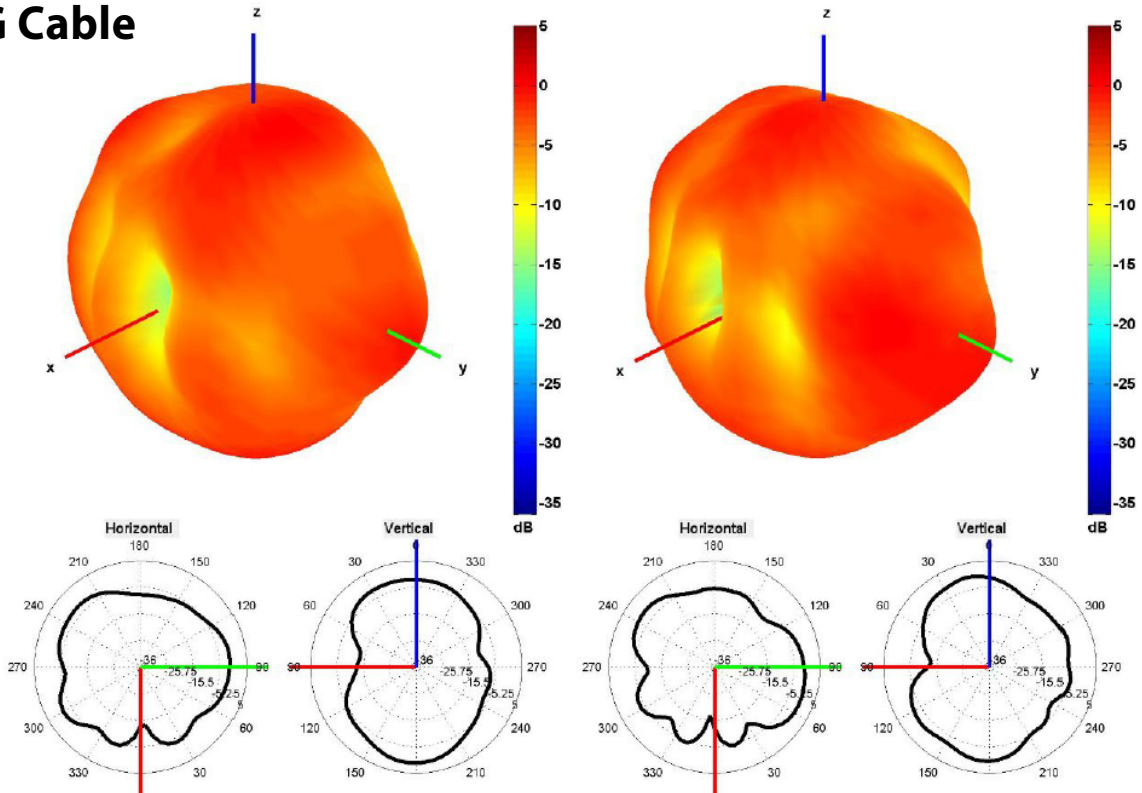


5G/4G Cable

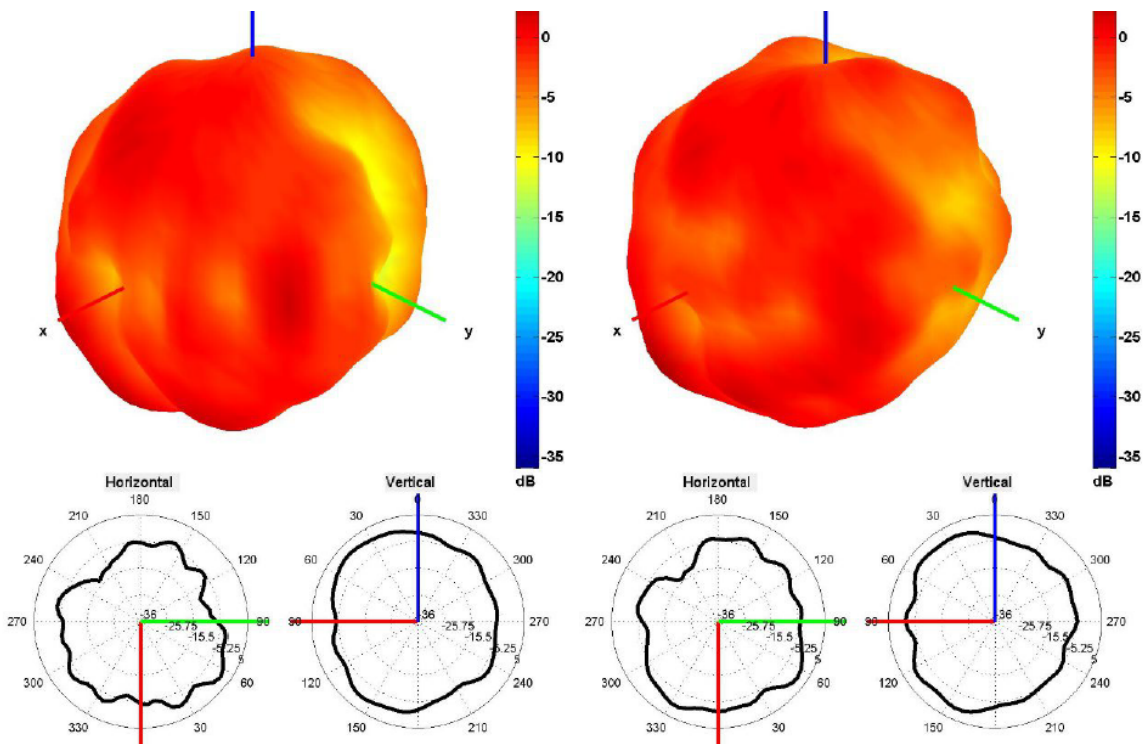


650 and 750 MHz Radiation pattern

5G/4G Cable

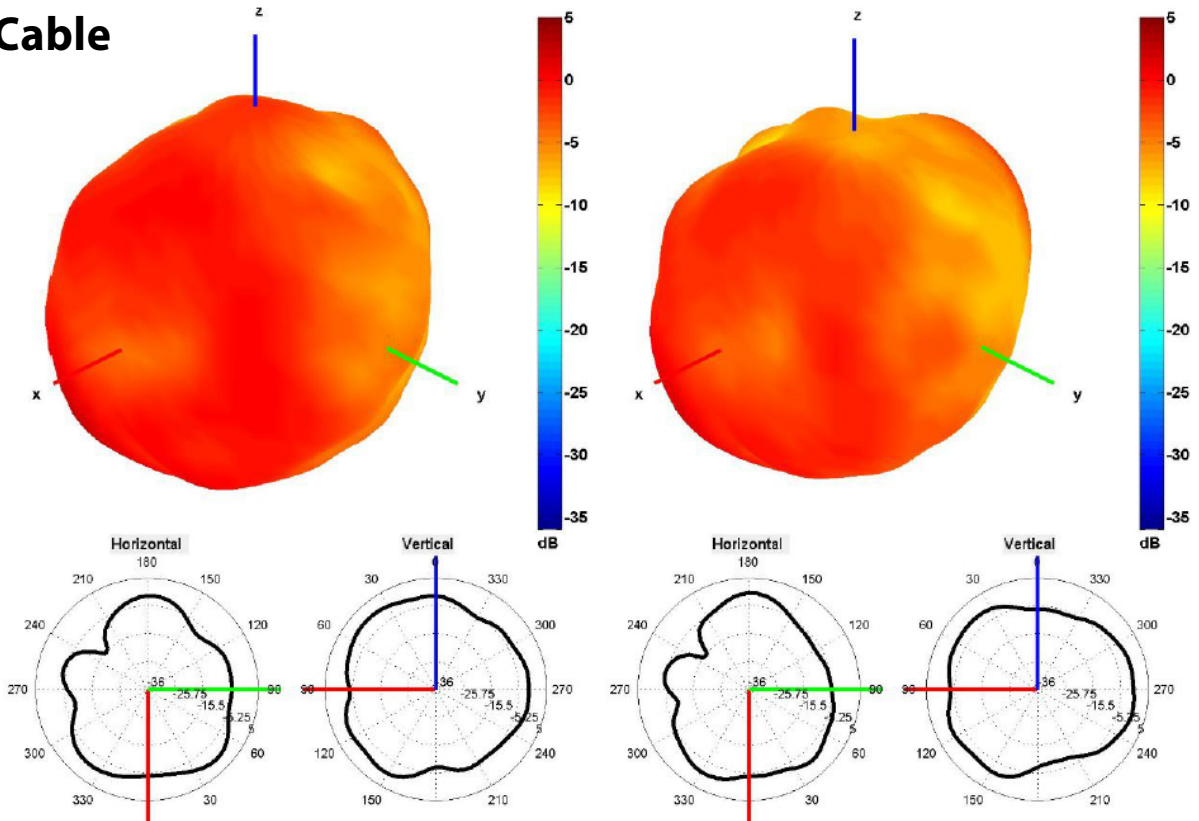


850 and 940 MHz Radiation pattern

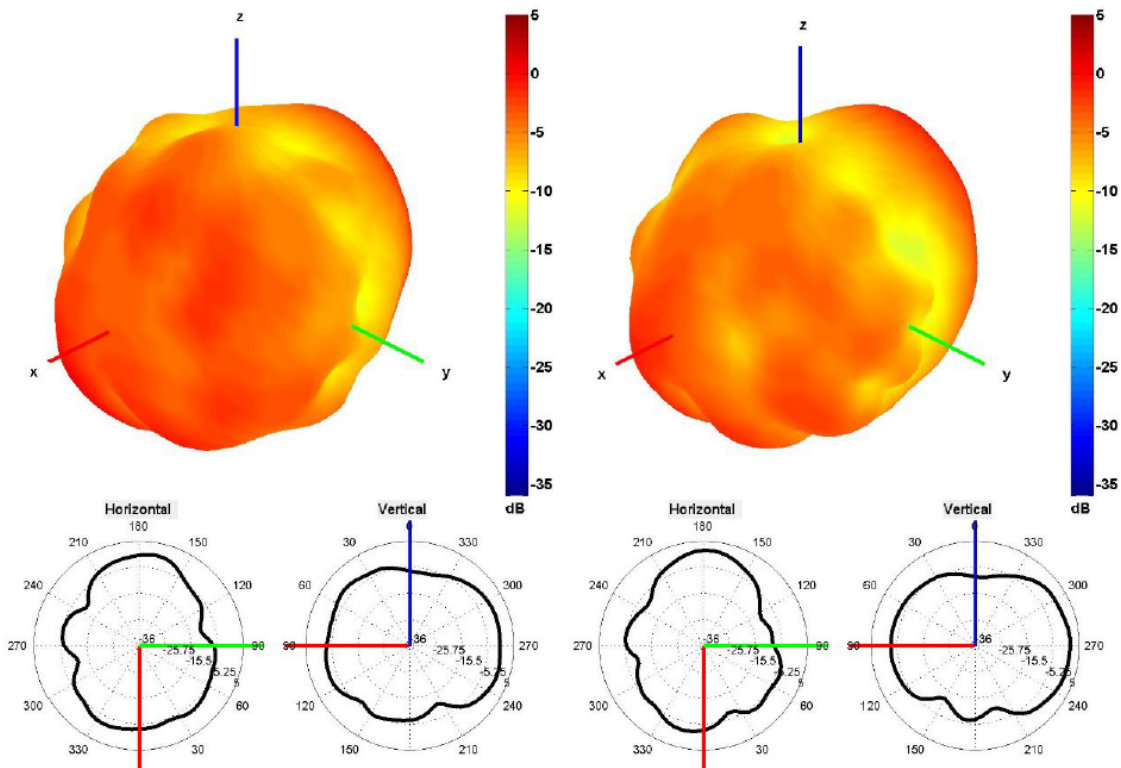


1500 and 1600 MHz Radiation pattern

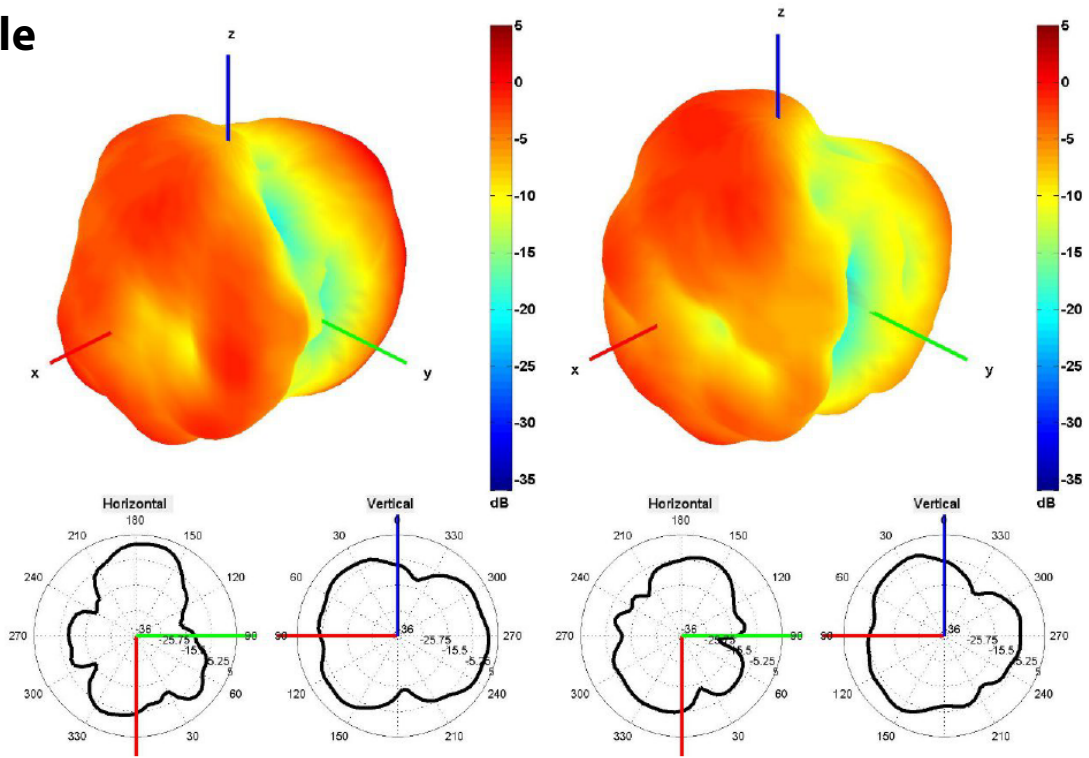
5G/4G Cable



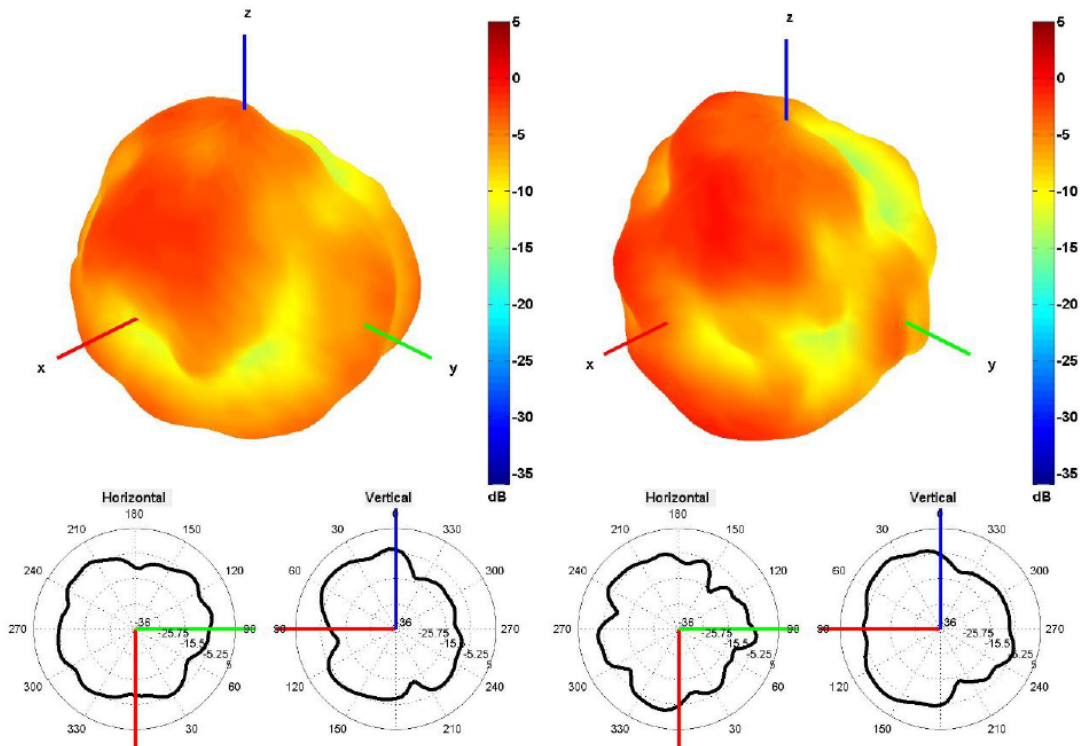
1750 and 1850 MHz Radiation pattern



5G/4G Cable

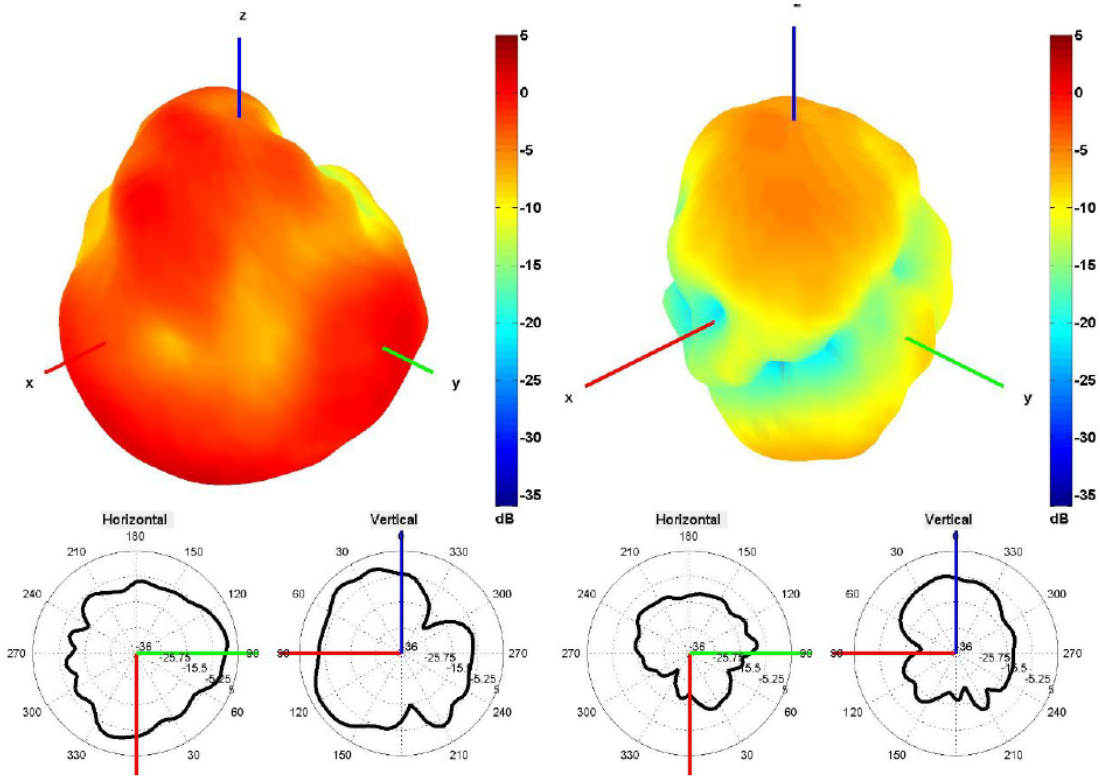


2350 and 2600 MHz Radiation pattern

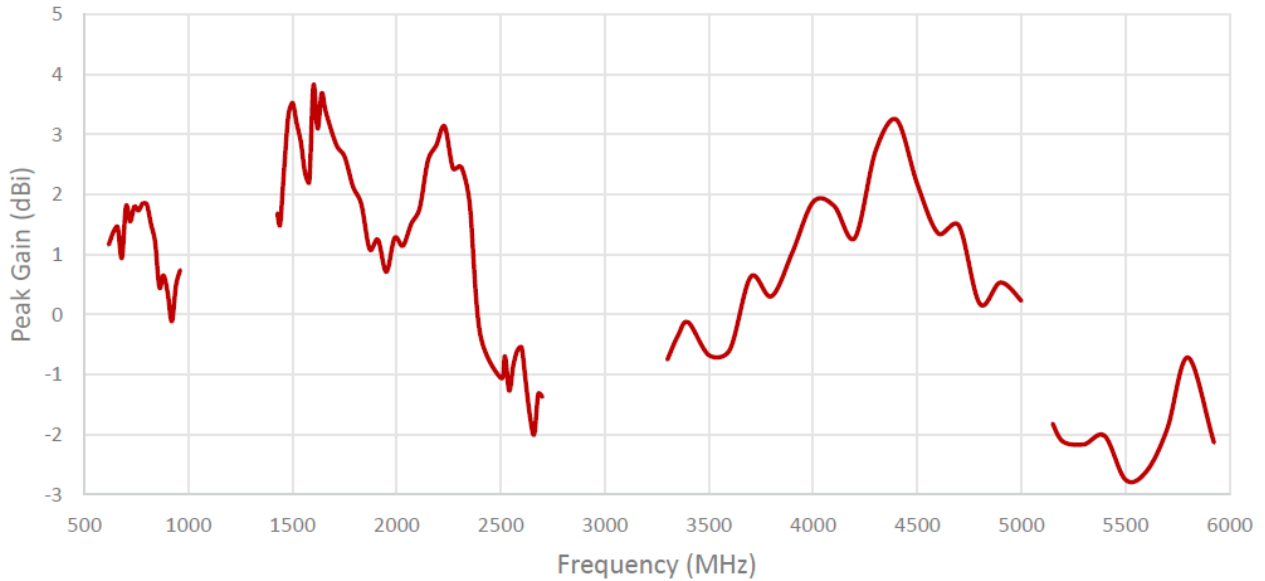


3350 and 3600 MHz Radiation pattern

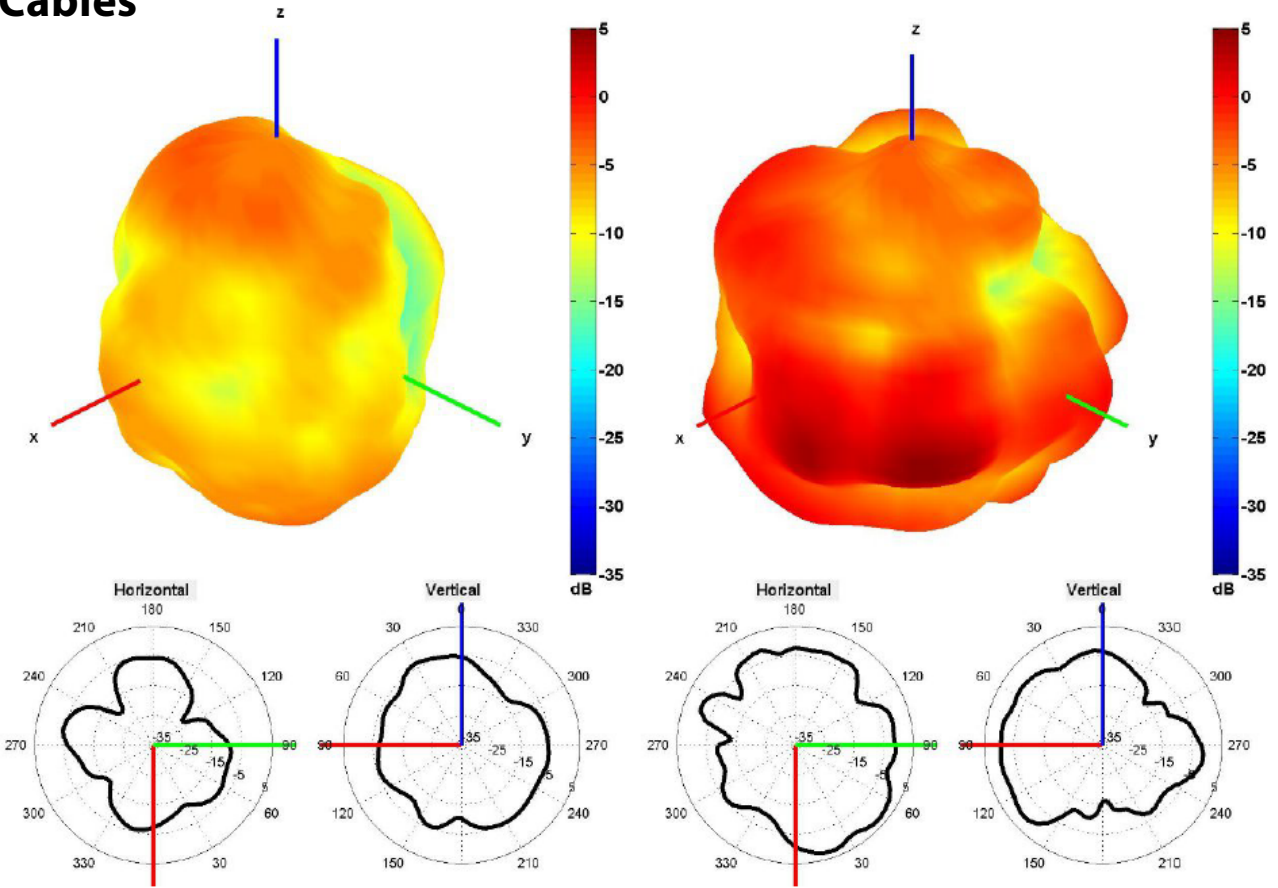
5G/4G Cable



4500 and 5500 MHz Radiation pattern



WiFi Cables



2450 and 5500 MHz Radiation pattern

