



## DBA6927Cx

### Blade Omnidirectional Antenna 698-960 MHz/1710-2700 MHz

DBA6927Cx dipole blade omnidirectional antenna family is highly suited as a broadband solution for wireless devices that are configurable for multiple communication protocol applications. Those protocols include the domestic Cellular/PCS/AWS/MDS, WiMax 2100/2300/2500/2600, and global GSM900/GSM1800/UMTS/ LTE2600 bands.

The antenna is provided with an articulating 90-degree arm that can be positioned to provide optimal coverage for indoor wireless solutions.

### FEATURES AND BENEFITS

- Low profile blade style sheath
- Applicable for both 3G and 4G solutions
- Domestic LTE 700 and global LTE 2600 bands
- Domestic cellular and global GSM
- WiMax 2100/2300/2500/2600
- Conformance to RoHS
- Complete cellular and 3G/4G
- Articulating arm that allows antenna positioning to provide maximal coverage

### APPLICATIONS

- Wireless access points
- Wireless routers
- M2M devices

#### MECHANICAL SPECIFICATION

Operating Frequency (MHz)	698-806 824-894 880-960	1710-1880 1850-1990 1920-2170 2100-2500 2500-2690
Gain (dBi)	0.5	2.2
Efficiency (%)	55	73
VSWR - Avg	<2.5:1	
Nominal Impedance (Ohms)	50	
Max Power - Ambient 25°C (W)	3	
Polarization	Linear	

#### MECHANICAL SPECIFICATIONS

Dimensions - mm (inches)	229.0 x 30.5 x 15.0 (9.02 x 1.2 x 0.59)
Weight - kg (oz.)	49 (1.73)
RF Connector	See model table
Radome Material	Black

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature - °C (°F)

-35 to +70°C (-31 to +158°F)

Material Substance Compliance

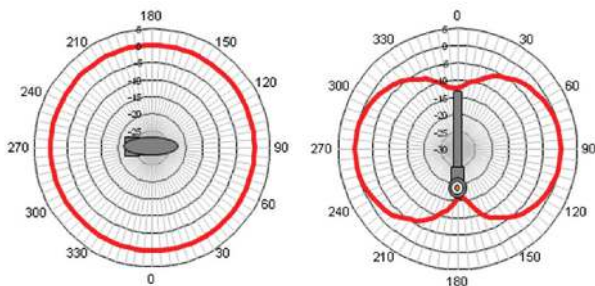
RoHS

## CONFIGURATION

PART NUMBER	CONNECTOR	BLADE ANGLE
DBA6927C1-FTNCM	TNC - Male	90 deg.
DBA6927C1-FSMAM	SMA Male	90 deg.

## RADIATION PATTERNS

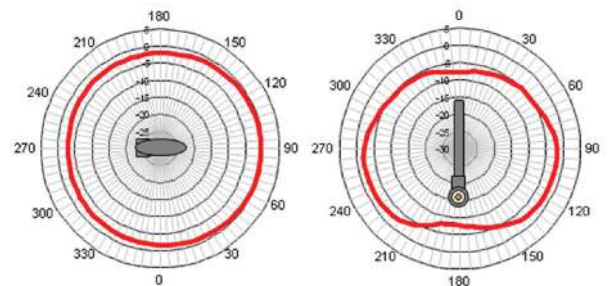
**698 MHz**



Azimuth Plane

Phi 0 Degree Plane

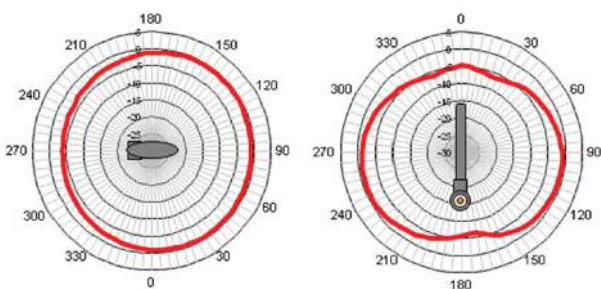
**824 MHz**



Azimuth Plane

Phi 0 Degree Plane

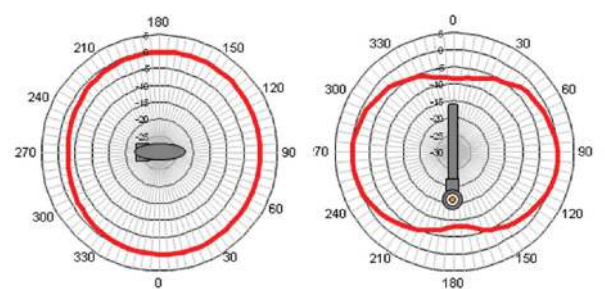
**880 MHz**



Azimuth Plane

Phi 0 Degree Plane

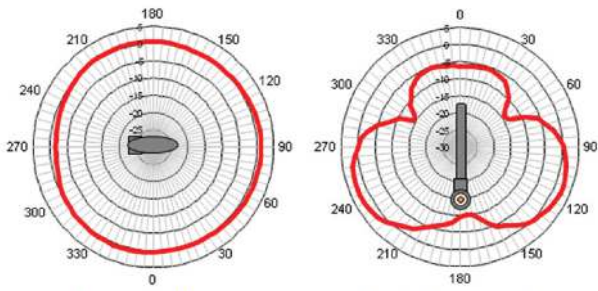
**960 MHz**



Azimuth Plane

Phi 0 Degree Plane

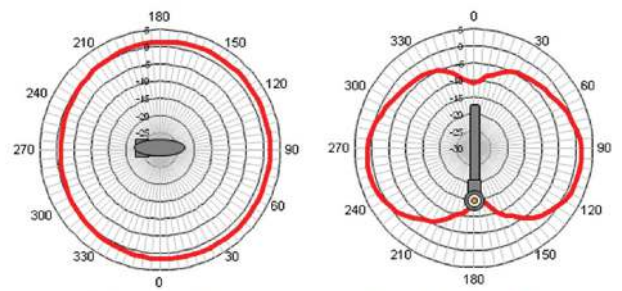
### 1710 MHz



Azimuth Plane

Phi 0 Degree Plane

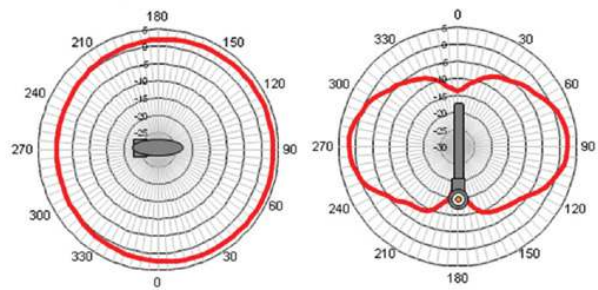
### 1880 MHz



Azimuth Plane

Phi 0 Degree Plane

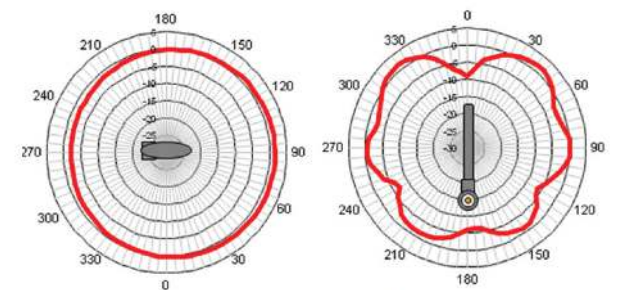
### 2170 MHz



Azimuth Plane

Phi 0 Degree Plane

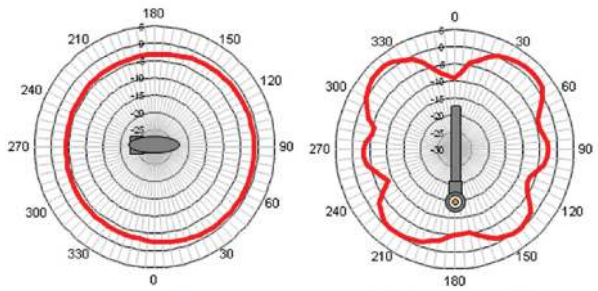
### 2400 MHz



Azimuth Plane

Phi 0 Degree Plane

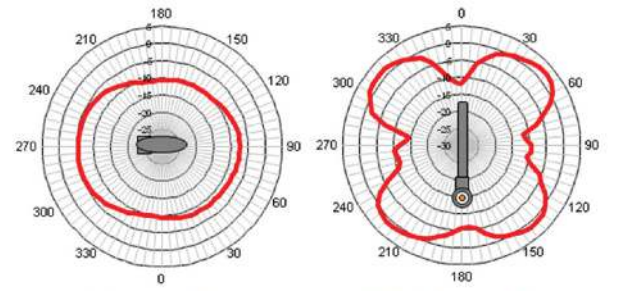
### 2500 MHz



Azimuth Plane

Phi 0 Degree Plane

### 2700 MHz



Azimuth Plane

Phi 0 Degree Plane

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## TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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