


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



## ARTICULATING DIPOLE BLADE OMNIDIRECTIONAL ANTENNA

The DBA6927C1 dipole blade is an omnidirectional antenna highly suited as a broadband solution for wireless devices that will be 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 position 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 data communications in a single antenna
- Articulating arm that allows antenna positioning to provide maximal coverage

### MARKETS

- Wireless Access Points
- Wireless Routers
- M2M Devices

### TYPICAL ELECTRICAL SPECIFICATIONS

Model	DBA6927C1		
Frequency	698-806 MHz	824-894 MHz	880-960 MHz
	1710-1880 MHz	1850-1990 MHz	1920-2170MHz
	2100-2500 MHz	2500-2690 MHz	
Peak Gain	0.5 dBi (698-960 MHz)	2.2 dBi (1710-2700 MHz)	
Average Efficiency	55% (698-960 MHz)	73% (1710- 2700 MHz)	
VSWR	< 2.5:1		
Nominal Impedance	50 ohms		
Polarization	Linear		
Max. Input Power	3 watts		
RF Connector	TNC Male		
Antenna Weight	49 g		
Operational Temperature	-35°C to +70°C		
Material substance compliance	RoHS compliant		
Antenna Color	Black		
Size (L x W x D)	229 mm x 30.5 mm x 15 mm		

### CONNECTORS

PART No.	CONNECTOR	BLADE ANGLE
DBA6927C1-FTNCM	TNC – Male	90 deg
DBA6927C2-FTNCM	TNC – Male	0 deg
DBA6927C1-FRNCM	R/P TNC – Male	90 deg
DBA6927C2-FRNCM	R/P TNC – Male	0 deg

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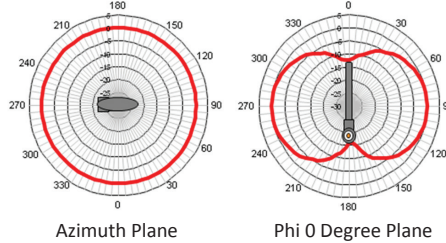
# DBA6927C1

## 698-960 MHz/1710-2700 MHz

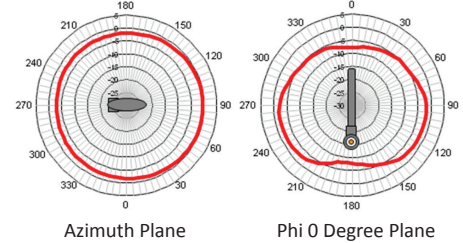
### Dipole Blade Omnidirectional Antenna

#### TYPICAL RADIATION PATTERNS

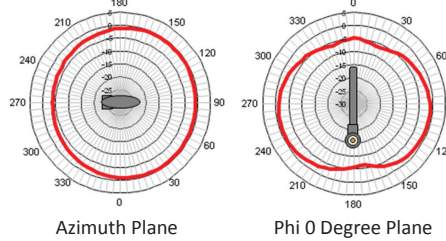
##### 698 MHZ BAND



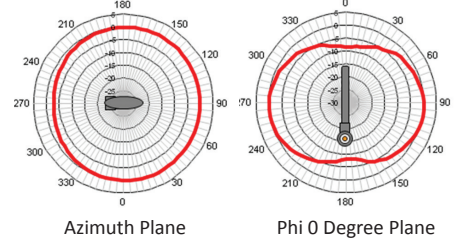
##### 824 MHZ BAND



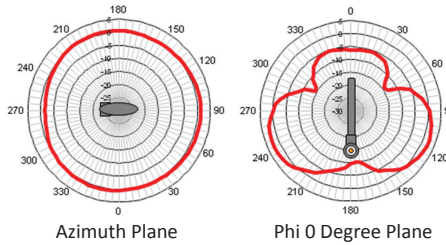
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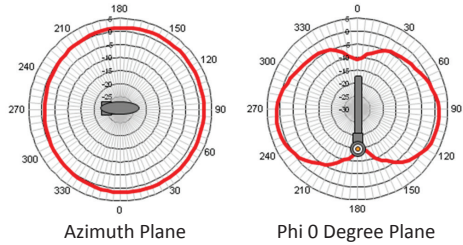
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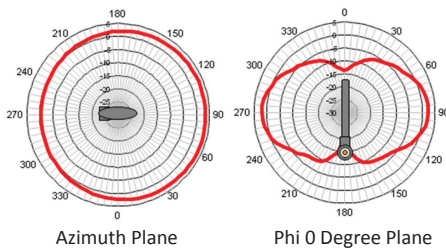
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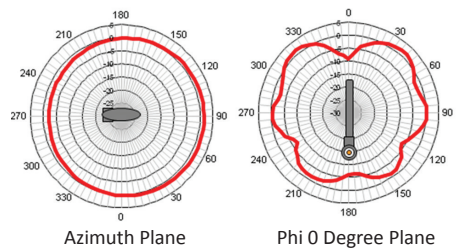
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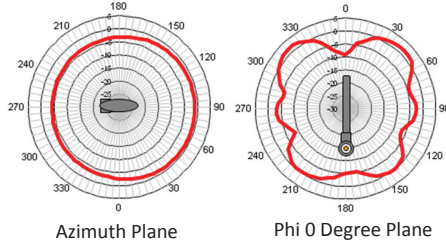
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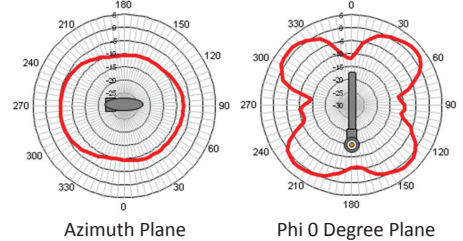
##### 2400 MHZ BAND



##### 2500 MHZ BAND



##### 2700 MHZ BAND



ANT-DS-DBA69271-FTNCM 071014

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