


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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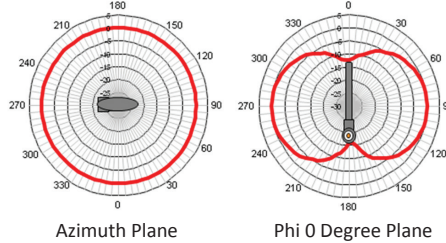
DBA6927C1

698-960 MHz/1710-2700 MHz

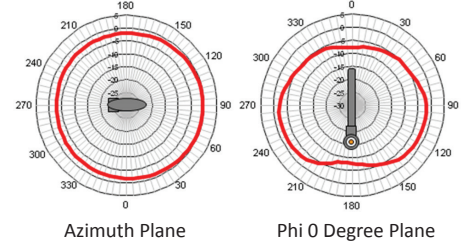
Dipole Blade Omnidirectional Antenna

TYPICAL RADIATION PATTERNS

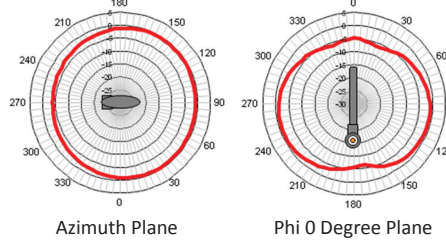
698 MHZ BAND



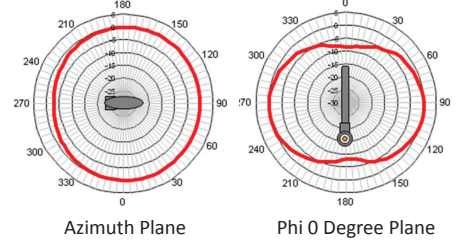
824 MHZ BAND



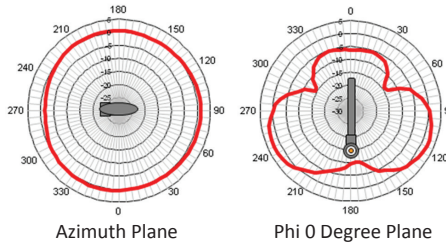
880 MHZ BAND



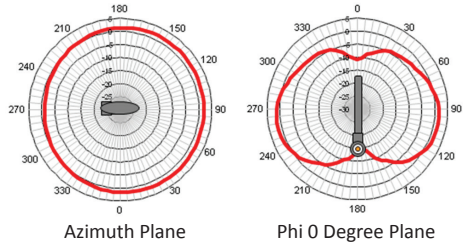
960 MHZ BAND



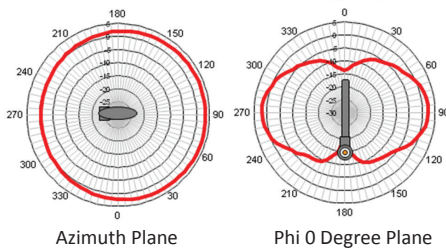
1710 MHZ BAND



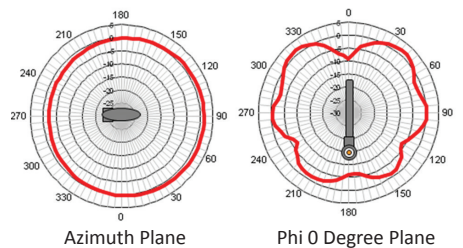
1880 MHZ BAND



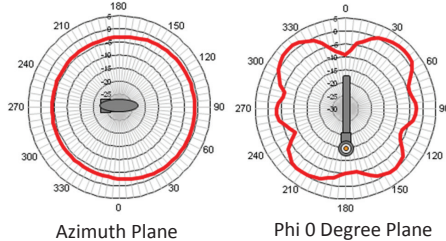
2170 MHZ BAND



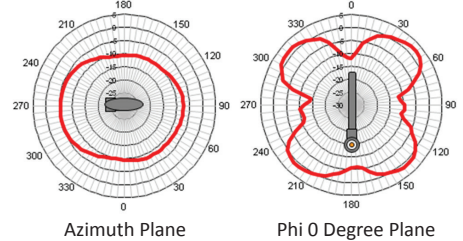
2400 MHZ BAND



2500 MHZ BAND



2700 MHZ BAND



ANT-DS-DBA69271-FTNCM 071014

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