

DBA2451C-CS9

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

The DBA6927C1 dipole blade is an omnidirectional antenna 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

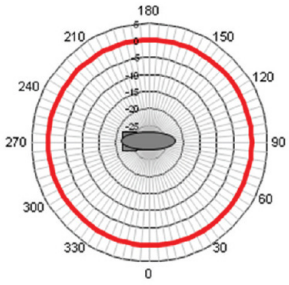
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature – °C (°F)	-35 to +70°C (-31 to +158°F)
Material Substance Compliance	RoHS

CONFIGURATION

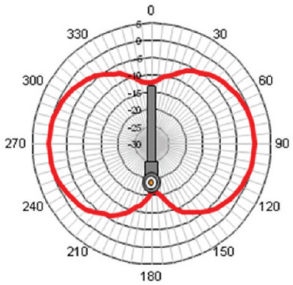
PART NUMBER	CONNECTOR	BLADE ANGLE
DBA6927C1-FTNCM	TNC – Male	90 deg.
DBA6927C2-FTNCM	TNC – Male	0 deg.
DBA6927C1-FRNCM	R/P TNC – Male	90 deg.
DBA6927C2-FRNCM	R/P TNC – Male	0 deg.
DBA6927C1-FSMAM	SMA Male	90 deg.
DBA6927C1-FSMAF	SMA Female	90 deg.

RADIATION PATTERNS

698 MHz

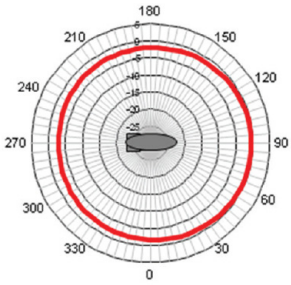


Azimuth Plane



Phi 0 Degree Plane

824 MHz

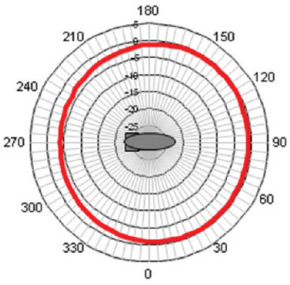


Azimuth Plane



Phi 0 Degree Plane

880 MHz

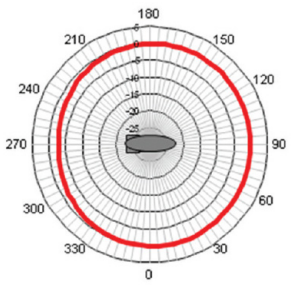


Azimuth Plane



Phi 0 Degree Plane

960 MHz

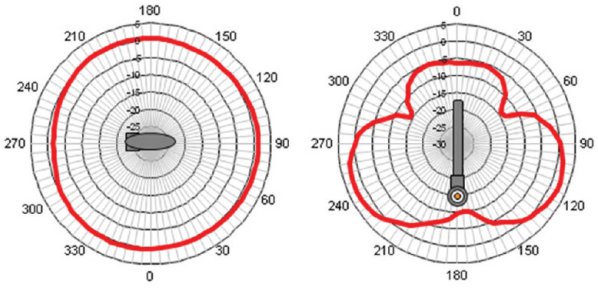


Azimuth Plane

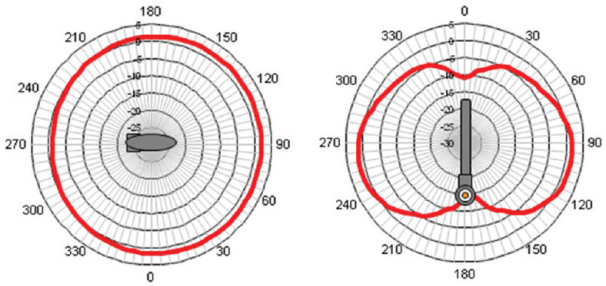


Phi 0 Degree Plane

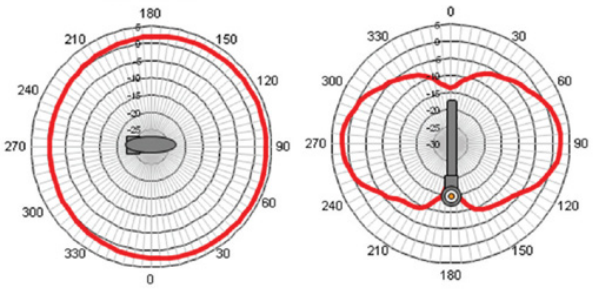
1710 MHz



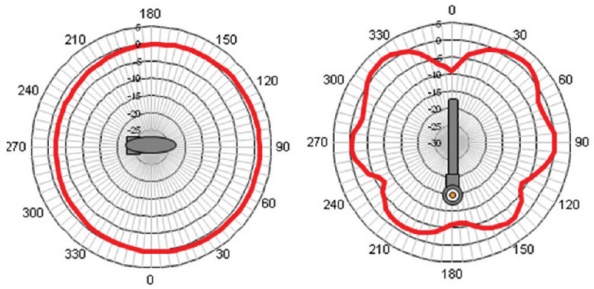
1880 MHz



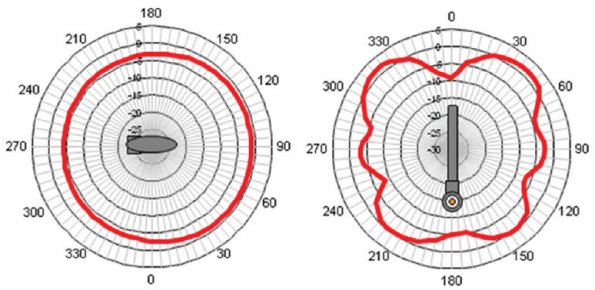
2170 MHz



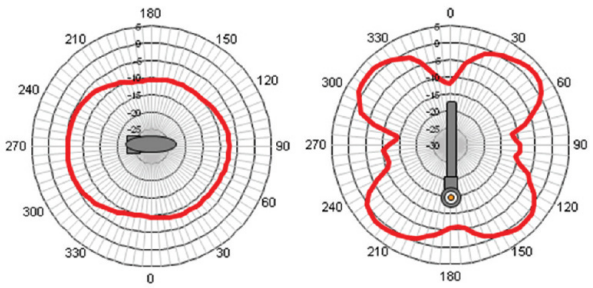
2400 MHz



2500 MHz



2700 MHz



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11/21 Original

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