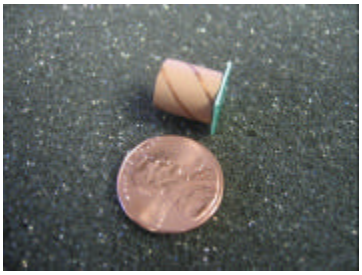
NORTH OFFICE
Damascus, MD 20872

SOUTH OFFICE
Blacksburg, VA 24060

www.maxtena.com



M2332CQA

2320-2345 MHz Compact Quadrifilar Antenna

"Preliminary" Product Specification (patent pending)

PRODUCT DESCRIPTION

The newest Satellite Radio Antenna on the market with the highest efficiency and the lowest axial ratio performs like a patch antenna and fits in a handset. Maxtena products are patent pending.

Single-ended antenna design is a thing of the past. The M2332CQA directly connects to your RF transceiver chip without baluns or matching networks. You will have reduced parts count, simpler integration process, and better performance. RadioMax™ technology reduces currents that are driven onto the ground plane making the antenna more immune to human exposure (giving better performance in handsets) and the M2332CQA is smaller because we removed the balun completely from the design.

Ask about adding FilterMax™ technology if you need more out of band rejection for undesired signals.

SPECIFICATIONS

	Min	Typical	Max	Unit
Frequency	2320.0	2332.5	2345.0	MHz
Polarization	Left-hand circular polarization			
Efficiency (with RadioMax™)		41		% (total spherical)
Efficiency		32		% (total spherical)
Gain (with RadioMax™)		-0.3		dBic
Gain		-1.3		dBic
Beamwidth (3dB)	140°			degrees (both axis)
Bandwidth		25		MHz
Cross Pole Rejection	10			dB
Axial Ratio			0.2	dB
Front to Back Ratio		12		dB
VSWR		1.3: 1		
Impedance (differential)		100		Ohms
Overall Dimensions	10 (diameter) x 13 (length)			mm
Operating Temperature	-40	20	+85	°C