

SINGULARITY 2.2

INTRODUCING
2100-2500 MHZ VARIANTS



OVERVIEW

TrueRC Canada's singularity antenna is the world smallest circular polarized antenna. Featuring a uniquely ingenious design that incorporate both feeding network and CP elements within the antenna. Its extreme small size, durability and accompanied light weight make it very well suited for UAV applications.

PRODUCT HIGHLIGHTS

- COMPACT SIZE.
- HIGH EFFICIENCY.
- UNIFORM STABLE RADIATION PATTERN.
- EXCELLENT AXIAL RATIO THROUGHOUT BANDWIDTH.
- DC GROUNDED CONSTRUCTION.



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ANTENNA SPECIFICATIONS

PARAMETER	VALUE	UNIT
FREQUENCY MIN	2100	MHZ
FREQUENCY MAX	2500	MHZ
FREQUENCY BANDWIDTH	100	MHZ
IMPEDANCE	50	OHMS
DC	GROUND	--
MAXIMUM SWR	1.8:1	RATIO
MAXIMUM S11	-10	DB
MAX GAIN	1.7	DBI
AXIAL RATIO (WITHIN MAIN BEAM)	2	DB
POLARIZATION	RHCP OR LHCP	--
PATTERN TYPE	OMNI-DIRECTIONAL	--
HORIZONTAL (AZ) BEAMWIDTH	360	DEG
VERTICAL (EL) BEAMWIDTH	90	DEG
CONNECTOR	SMA, RP-SMA	--
CABLE	RG402	--
ANTENNA DIMENSIONS	40.6 DIA. X 24.0 HEIGHT	MM

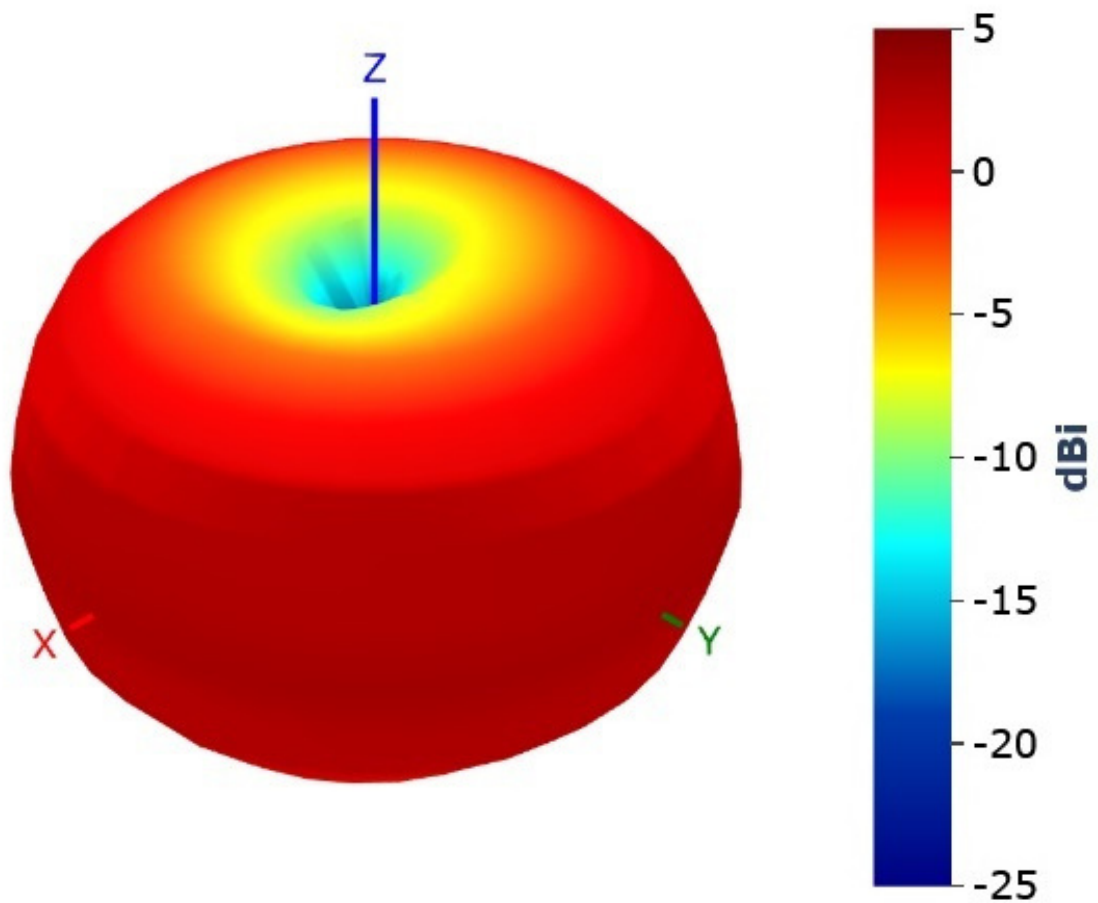


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PATTERNS (3D)



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MECHANICAL DRAWING (MM)

