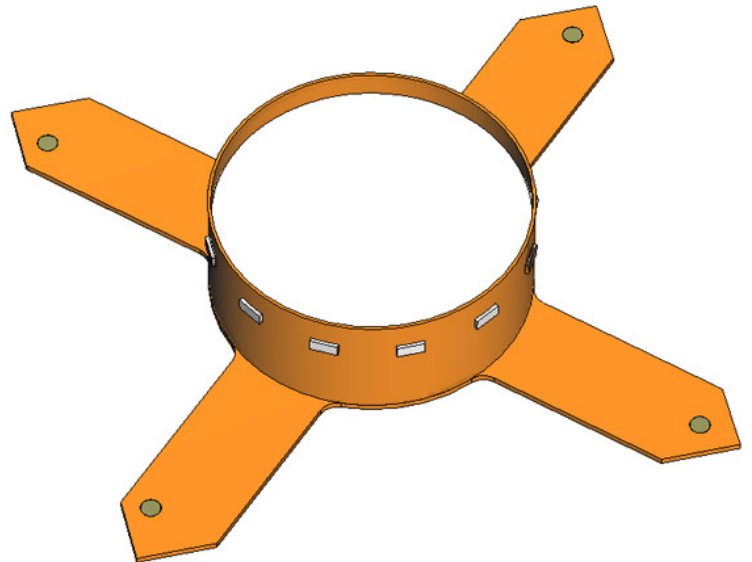


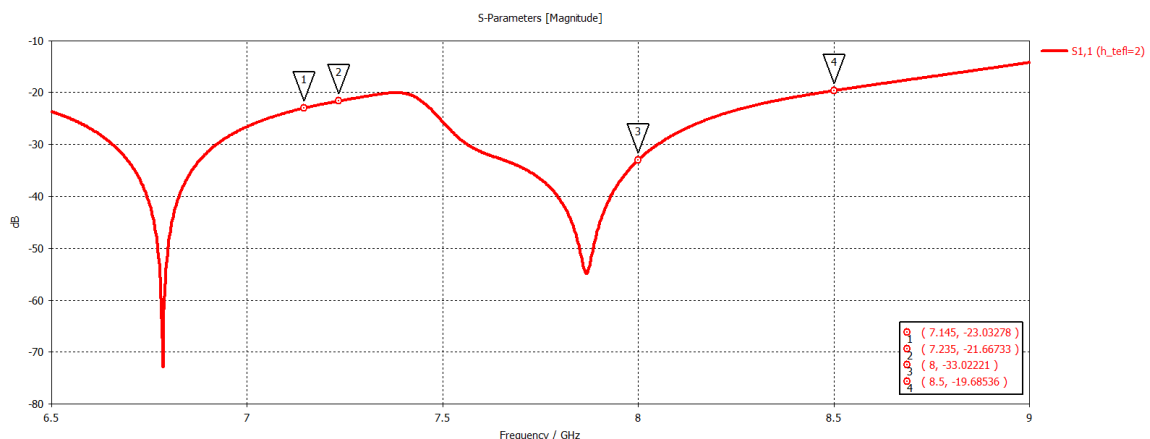
ABOUT

WiRan X-Band antenna is a currently developed component for full-duplex communication for data transmission and swarm dedicated radiocommunication in X band. The antenna is being designed to operate in 7145-7235 & 8000-8500 MHz bands. It will be fully compatible and easy integrable with WiRan X-Band Diplexer.



FEATURES

- compliant with the CubeSat nanosatellite standard
- full duplex ready
- RHCP by default
- more TBA



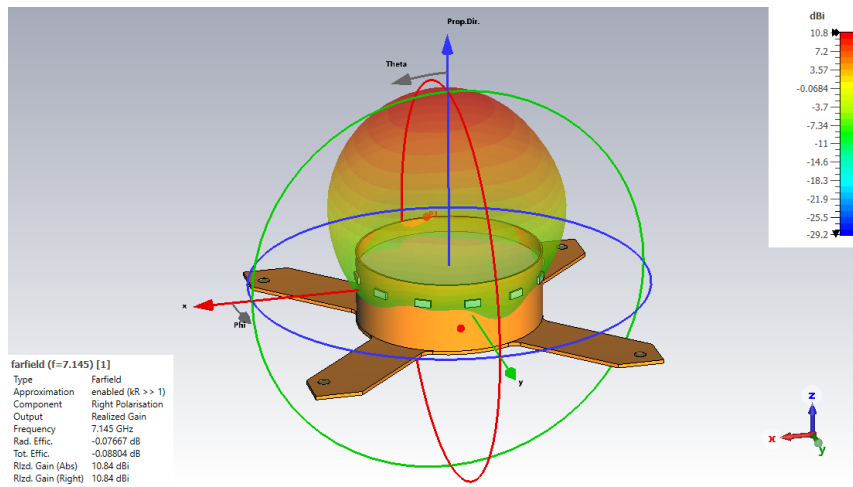
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radiation pattern, S parameters available on request

RF Parameters	Guaranteed Value	Typical Value	Unit
Frequency Range	7145-7235; 8000-8500		MHz
Return Loss	19.5	TBA	dB
HPBW	44	TBA	°
Gain	10.5	TBA	dBi
AR (RHCP) @ 0°	1.4	TBA	dB
AR (RHCP) max @±40°	10.8	TBA	dB

Mechanical Parameters	Value	Tolerances	Unit
Operating temperature range	TBA	TBA	°C
Weight	TBA	TBA	g
Maximum linear dimension (X or Y)	96	TBA	mm
Maximum height (Z)	23.4	TBA	mm
Height without connector (Z)	20	TBA	mm
RF interface	SMP	-	-

Ordering code	Description
AXA	X band antenna 7145-8500MHz, CubeSat compatible