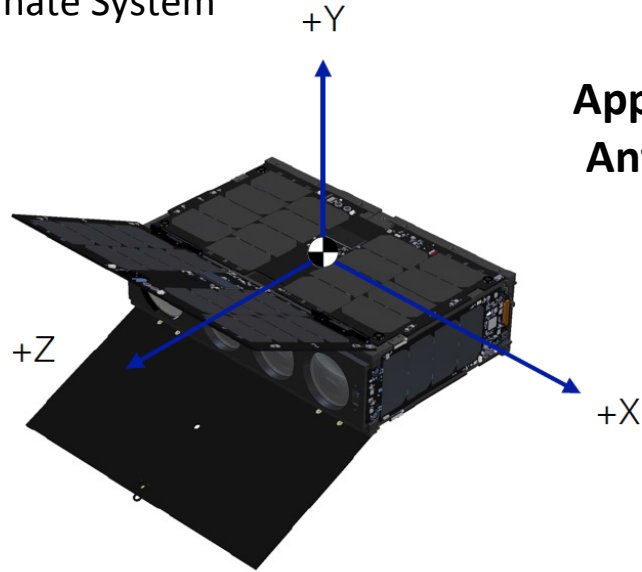


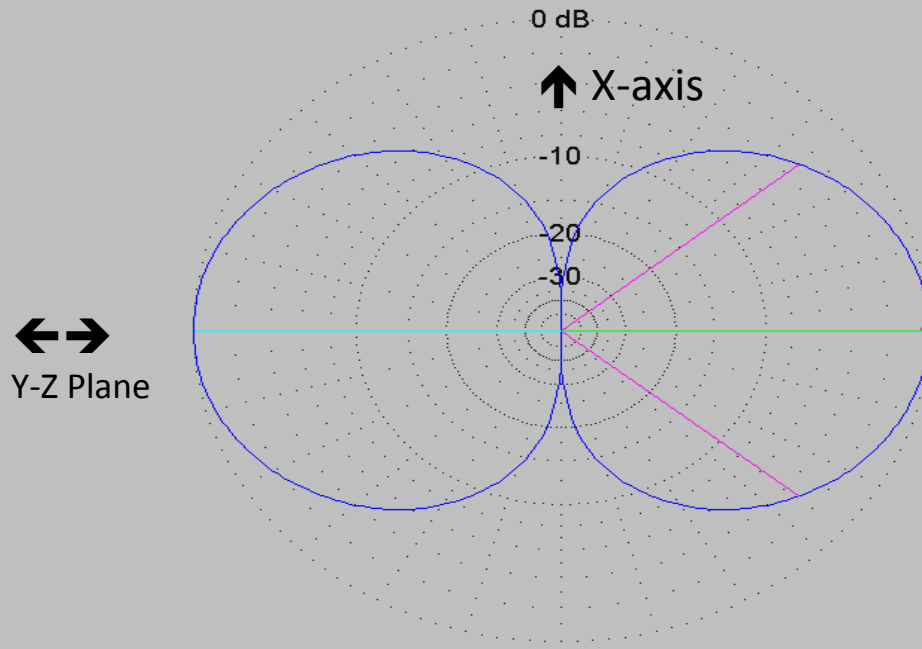
Spacecraft Coordinate System



**Corvus-BC  
Approximate UHF  
Antenna Pattern**

\* Total Field

EZNEC+



400 – 403 MHz

Approximate UHF Antenna Pattern

\* Angle ( $\theta$ )  
w.r.t. Y-Z Plane

Dipole:	S/C $\angle$ wrt Symmetry Axis ( $\theta$ ):	*	Antenna Gain (dBi):
	0		2.15
	10		2.08
	20		1.88
	30		1.53
	40		0.99
	50		0.23
	60		-0.86
	70		-2.51
	80		-5.45
	85		-8.45
	87.5		-11.45
	90		-40.00
	92.5		-11.45
	95		-8.45
	100		-5.45
	110		-2.51
	120		-0.86
	130		0.23
	140		0.99
	150		1.53
	160		1.88
	170		2.08
	180		2.15
	190		2.08
	200		1.88
	210		1.53
	220		0.99
	230		0.23
	240		-0.86
	250		-2.51
	260		-5.45
	265		-8.45
	267.5		-11.45
	270		-40.00
	272.5		-11.45
	275		-8.45
	280		-5.45
	290		-2.51
	300		-0.86
	310		0.23
	320		0.99
	330		1.53
	340		1.88
	350		2.08
	360		2.15