

	Ranger 1000			Ranger 1200			Ranger 1500				Ranger 1800				Ranger 2000				Ranger 2400			
	X 100W	Ku 40W	Ka 50W	X 100W	Ku 40W	Ka 25W	C 50W	X 100W	Ku 40W	Ka 25W	C 50W	X 100W	Ku 40W	Ka 25W	C 50W	X 100W	Ku 40W	Ka 25W	C 50W	X 100W	Ku 40W	Ka 25W
EIRP (P _{LIN}) (dBW)	53.5	54.0	58.7	55.4	56.0	60.7	50.9	56.8	57.4	62.0	53.5	58.8	59.5	63.7	54.3	59.8	60.2	64.7	55.8	60.9	61.5	65.9
EIRP (P _{SAT}) (dBW)	56.5	57.0	60.7	58.4	59.0	62.7	53.9	59.8	60.4	64.0	56.5	61.8	62.5	65.7	57.3	62.8	63.2	66.7	58.8	63.9	64.5	67.9
Tx Gain (dBi)	36.3	41.6	47.7	38.2	43.6	49.7	37.1	39.6	45.0	51.0	39.7	41.6	47.1	52.7	40.5	42.6	47.8	53.7	42.0	43.7	49.1	54.9
Rx Gain (dBi)	35.7	39.8	44.4	37.6	42.2	46.4	33.3	39.0	43.4	47.6	35.4	41.0	45.0	49.3	36.6	42.0	46.1	50.5	37.9	43.0	47.1	51.7
G/T @20° (dB/K)	14.9	18.6	20.2	16.9	21.0	22.1	14.5	18.1	22.4	23.3	16.7	20.2	24.3	25.0	17.7	21.2	25.4	26.3	19.1	21.9	25.9	27.6
Crosspol (dB)	31.0	35.0	25.0	31.0	35.0	25.0	30.0	31.0	35.0	25.0	30.0	31.0	35.0	25.0	27.0	31.0	35.0	25.0	27.0	31.0	35.0	25.0

*Typical RF Configuration - Various BUC sizes and options available. Ranger 2400 is configurable with up to 400W X and 50W Ka BUCs.

Antenna type	Parabolic
Modem	Modem Agnostic / L-band Interface
Power	90 – 240VAC 50-60Hz
Elevation Range / Accuracy	5 to +90 degrees / 0.2 degrees
Azimuth Range / Accuracy	+/- 180 degrees / 0.2 degrees
Polarizations Range / Accuracy	+/- 90 degrees / 0.2 degrees
Satellite Acquisition:	Pointing assistant for non-motorized systems. Auto acquire and Tracking for motorized systems.
Wind Loading (Operational)	30 mph (26 Knots) gusting to 45 mph (39 Knots)
Wind Loading (Survival)	60 mph (52 Knots) remove reflector and use tie-downs
Solar Radiation	1135 W/m ²
Ambient Temperature (Operational)	-30°C to +60°C External equipment
Ambient Temperature (Storage)	-40°C to +70°C External equipment
Operating Humidity	0-100%
Rainfall Maximum (excluding link budget effects)	100mm/h
Ice and Snow	½" radial ice, removed by hand
Altitude (Operational)	3000 Meters
Certified Configurations:	WGS, DSCS, SKYNET



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Change Record

Issue	Date	Changes	By:
A	2020-05-15	EWO2020-0227	TM

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