

	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
<b>EIRP (P<sub>LIN</sub>) (dBW)</b>	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
<b>EIRP (P<sub>SAT</sub>) (dBW)</b>	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
<b>Tx Gain (dBi)</b>	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
<b>Rx Gain (dBi)</b>	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
<b>G/T @20° (dB/K)</b>	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
<b>Crosspol (dB)</b>	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.

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



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## Change Record

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

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**CAGE CODE:**



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