Antenna Diameter		1.2m	1.8m	2.4m	3.0m	3.2m	3.7m	4.5m	5.36m
Gain(dbi)	C- band 3.4-4.2	31.91	34.89	37.38	39.33	39.89	41.15	43.19	45.03
	Ku-band 10.95-12.75	41.75	44.35	46.85	48.79	49.35	50.61	52.69	54.46
VSWR	C- band	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	1.25:1	1.25:1
	Ku-band							1.3:1	1.25:1
Insertion Loss	C- band		0.25dB						
	Ku-band		0.3dB						
Polarization Isolation		33dB	35dB						
Feed Interface	C-band	F	WR229/F				WR229/F	WR229/F	CPR-229G
	Ku-band	WR75/F							
-3dB Beamwidth	C- band	4.17°	2.96°	2.22°	1.77°	1.66°	1.44°	1.137°	0.92°
	Ku-band	1.34°	0.99°	o.746°	0.597°	0.56°	0.484°	0.381°	0.311°
Sidelobe Level	C- band	52-10lg(D/λ)-25lgθ 2°≤θ≤20°					32-25lgθ 1°≤θ≤20°		
	Ku-band	32-25lgθ 2°≤θ≤20°					29-25lgθ 1°≤θ≤20°		
First Sidelobe			≤-14dB						
Antenna Noise Temperatur	C- band	35° K@10°	38° K@10	36° K@10	34° K@10	36° K@10	35° K@10	35° K@10	35° K@10
	Ku-band	44° K@10	43° K@10	48° K@10	48° K@10	48° K@10	49° K@10	52° K@10	45° K@10
Antenna Optics		Offset antenna	Prime-focus antenna					Dual reflectors antenna	
Elevation Adjustmen		0º to 90º					10º to 90º	0º to 90º	15º to 90º
Azimuth Adjustment		0º to 360º				manual 0°to 360° motorized ±85°			±85°
Wind Loading		45mph 72kmph operational (Maintain Precision)							
		60mph 97kmph operational (Decrease Precision)							
		125mph 200kmph Survival (Fixed Heavenward)							
Temperature		-45~50°C							
Relative Humidity		0%~100%							
Seismic capacity		0.3G's horizontal 0.15 G's vertical							

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Antenna Diameter		6.0m	6.2m	7.3m	9m	11.3m	13m	16 m
Gain(dbi)	C- band 3.4-4.2	45.35	45.98	47.40	49.22	50.96	52.73	54.21
	Ku-band 10.95-12.75	54.81	55.47	56.89	58.71	60.45	62.57	63.71
VSWR	C- band	1.25:1						
	Ku-band	1.3:1					1.25:1	1.3:1
Insertion Loss	C- band	0.25dB						
	Ku-band	0.3dB						
Polarization Isolation		35dB						
Feed Interface	C-band	WR229/F					CPR-229G	WR229/F
	Ku-band	WR75/F					BJ-120	WR75/F
-3dB Beamwidth	C- band	4.17°	2.96°	2.22°	1.77°	1.66°	1.44°	1.137°
	Ku-band	1.34°	0.99°	o.746°	0.597°	0.56°	0.484°	0.381°
Sidelobe Level	C- band	32-25lgθ 1°≤θ≤20°			29-25lgθ 1°≤θ≤20°			
	Ku-band	29-25lgθ 1°≤θ≤20°						
First Sidelobe		≤-14dB						
Antenna Noise Temperatu r	C- band	35° K@10°	36° K@10	43° K@10	42° K@10	44° K@10	2/4Port Feed	46° K@10
	Ku-band	50° K@10	50° K@10	64° K@10	65° K@10	68° K@10	2/4Port Feed	78° K@10
Antenna Optics		Prime-focu s antenna	Dual reflectors antenna					
Elevation Adjustmen		0º to 90º					10º to 90º	0º to 90º
Azimuth Adjustment		manual 0°to 360° motorized ±85°	±85°					0°to 340°
Wind Loading		45mph 72kmph operational (Maintain Precision)						
		60mph 97kmph operational (Decrease Precision)						
		125mph 200kmph Survival (Fixed Heavenward)						
Temperature		-45~50°C						
Relative Humidity		0%~100%						
Seismic capacity		0.3G's horizontal 0.15 G's vertical						

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