

1	Product Name	KU band 90cm*100cm dish antenna	
2	Short Axle	90cm	
3	Long Axle	100cm	
4	KU Band Gain 12.5GHz	41.12dB	
5	Thickness	0.6mm	
6	F/D ratio	0.55	
7	Focus Distance	540mm	
8	Material	steel board	
9	Color	white/gray/red/blue/green/black	
10	Surface	spray polyester powder coating	
11	Mounting Type	small ground mount with two holders	
12	Angle of Elevation	0°-90°	
13	Level	0°-360°	
14	Aperture Efficiency	75%	
15	Wind Speed	can receive 25m/sec	
		can repeat 40m/sec	
		not damage 60m/sec	
16	Ambient Temperature	-40° C--+60° C	
17	Gain (at 11.7,11.95,12.5GHz)	Frequency	Test Date
18		10.70GHz	37 dB
19		11.70GHz	38 dB
20		11.95GHz	39.5 dB
21		12.20GHz	41.12dB
22		12.70GHz	42.5 dB
23	The FirstSide Lobe (dB)	10.7	-22.5
24		11.7	-23.8
25		11.95	-23.5
26		12.2	-25.1
27	Far Field	10.7	90% of Far side value should not exceed ENV envelope: when $D/\lambda \leq 100, 52-101g(D/\lambda)-251g\theta$ ( $100\lambda/D$ ) $^{\circ} < \theta < 20^{\circ}$ ; when $D/\lambda > 100, 32-251g\theta(1^{\circ} < \theta < 20^{\circ})$
28		11.7	
29		11.95	
30		12.2	
31	Cross Polarization(linear polarization axis direction) (dB)	10.7	37
32		11.7	38
33		11.95	39.5
34		12.2	41.12
35	Relative Humidity	0 ~ 100%	

