

## 7.3M EARTH STATION ANTENNA



### Features

- 7.3m Tx/Rx antenna adopts shaped high precision ring focus design
- Stiffness performance of antenna mount meets the required pointing accuracy of C band and Ku band
- Feedhorn adopts corrugated design, excellent RF specification such as Tx/Rx (2/4 port) feed line of OMT
- The antenna meets requirement of CCIR 580-4

- High accuracy and Strength reflector
- Zinc spraying treatment for surface of mount and structural components
- Faster and easier Installation

### Options

- Extended Az travel 360°
- Integrated LNB, LNA system
- Integrated rain blowing /de-icing
- Superwind Resistance
- Low operating temperature
- Linear/Circular

## 7.3M EARTH STATION ANTENNA SPECIFICATION

### ELECTRICAL SPECIFICATION

Diameter	7.3M			
	C-Band		Ku-Band	
Operating Frequency, GHz	Receive	Transmit	Receive	Transmit
	3.625-4.2	5.85~6.425	10.95-12.75	13.75-14.5
Gain, Mid-band, dBi	47.85	51.42	57.6	58.53
XPD (on Axis), dB	35	35	35	35
XPD across 1dB Beam Width, dB	33	33	33	33

VSWR	1.25	1.25	1.25	1.25
Antenna Noise Temperature 10° Elevation	45°K		60°K	
-3dB Beam Width	0.666°	0.44°	0.216°	0.19°
Tx. Power Capability, KW		5		2
Feed Interface	CPR-229G	CPR-159G/137G	WR-75	WR-75
Feed Insertion Loss, dB	0.25	0.2	0.25	0.25
Isolation, Tx to Rx, dB	85			
Radiation Pattern:First Sidelobe	CCIR 580-4			

### MECHANICAL SPECIFICATION

Antenna Type	Ring Focus Antenna
Antenna Pedestal Type	Kingpost Pedestal
Reflector Accuracy(RMS)	≤0.5mm
Azimuth	Kingpost pedestal as ±85° / Rotary pedestal as 0° ~360°
Elevation	0°~90°

### ENVIRONMENTAL SPECIFICATION

Operational Wind	72km/h
Survival Wind	200km/h
Temperature	- 45°C ~ + 60°C
Relative Humidity	0% ~ 100%
Solar Radiation	1135Kcal/ h/ m2
Seismic (Survival)	0.3g (H), 0.15g (V)

## ● Project case& Customer feedback

### 7.3 M C-band Tx/Rx Antenna in Guyana

**From:** [REDACTED]  
**Date:** 2019-05-30 07:07  
**To:** carolyn@antesky.com;  
**CC:** sales03@antesky.com  
**Subject:** Re: Certificate of manufacture --- Urgent

Dear Carolyn,

We at [REDACTED] are very pleased to doing business with your company, once again thank you very much for the services rendered to us. We look forward to doing more business with your organisation in the near future. We are awaiting the shipping documents from your organisation. Thank you very much.

Tre [REDACTED]



