

Model No.	NS-FM-180
Description	1.8m manual portable antenna, Offset
Sample picture shown as below:	

Carbon fiber reflectors



Aluminum reflectors



Model No.	NS-FM-180			
Performance specification				
	C band		Ku band	
	Receive	Transmit	Receive	Transmit
Operating frequency (GHz)	3.625~4.2	5.85~6.425	10.95~12.75	13.75~14.5
Gain, Mid-band (dBi)	35.3	39.5	45.0	46.3
Polarization	Linear, Circular		Linear	
VSWR	1.25:1		1.25:1	
XPD(on axis),dB	≥35		≥35	
-1dB	≥30		≥30	
-3 db beam width, Mid-band	2.87°	1.93°	0.92°	0.78°
Feed insertion lose (dB)	0.15	0.17	0.35	0.35
Isolation, Tx to Rx,dB	85		85	
Power Capability,KW	5kw/port		2kw/port	
Feed interface	CPR-229G	CPR-159/ 137G	WR-75	WR-75
First side lobe	-14db			
Side lobe envelop	29-25 log(θ) dBi 1°≤θ≤20°			

Model No.	NS-FM-180
Mechanical specification	
Antenna aperture	1.8m
Feed type	Offset
Panel QTY	4 pcs
Azimuth travel	0°-360°
Elevation travel	8°- 90°
Polarization travel	±90°
Finish	Painting
Drive mode	Manual
Mount type	El over Az.
Environmental specification	
Temperature	-40°C ~ 60°C
Relative humidity	100%
Solar radiation	1135Kcal/h/m ²
※ The above specifications may change without prior notice.	

Model No.		NS-SEC-180				
Package for Carbon fiber antenna						
S.N	QTY	Size (mm)	Net weight (kg)	Gross weight (kg)	Remarks	Package
1	1	1500*660*600	49	88.5	support leg:3pcs Rotary platform: 1pcs Back struts:1pcs Feed pull rod: 1pcs Feed:1pcs Screw rod:1pcs	Portable box
2	1	1000*530*1050	14	44	Main reflector: 4pcs	Portable box
		1.16CBM	63	132.5		
Package for Aluminum antenna						
S.N	QTY	Size (mm)	Net weight (kg)	Gross weight (kg)	Remarks	Package
1	1	1450*660*650	49	86	Support leg:3pcs Rotary platform: 1pcs Back struts:1pcs Feed pull rod: 1pcs Feed:1pcs Screw rod:1pcs	Portable box
2	1	1000*570*1050	21	54	Main reflector: 4 pcs	Portable box
		1.23CBM	70	140		