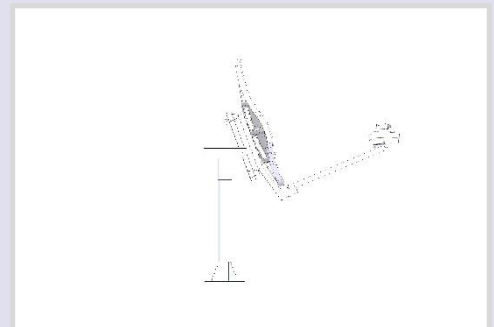
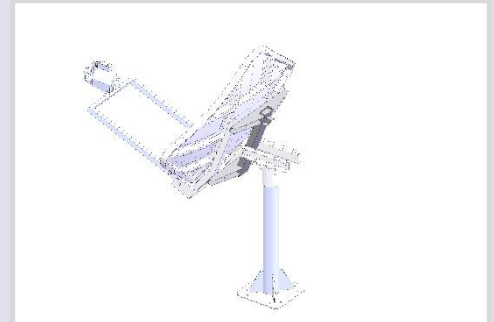


# SVS SATELLITE SYSTEMS

## SKA12FD Ka Band 1.2m Fixed Diamond Antenna

- Diamond shape offset carbon fiber reflector
- Robust
- High performance
- Powerful
- Efficient
- Designed for X, Ku, DBS, Ka Band uplink



### Rx Frequency

19.2 to 21.2 GHz

### Tx Frequency

29 to 31 GHz

### Diameter

1.2 meters

### Feeder

4 ports (TX RHCP / RX LHCP and TX LHCP / RX RHCP)

### Axial Ratio RX and TX

1 dB max.

### Antenna Optics

One-Piece offset feed prime focus

### Mount Type

Elevation over Azimuth

### Elevation Adjustment Range

0°- 90° Continuous Fine Adjustment

### Wind Loading

72kmph operational, 200kmph survival

### Temperature

-50°C to 80°C

### Humidity

0 to 100% (condensing)

### Side Lobes :

100 $\lambda/D < q < 20^\circ$	.....	29-25 log $\theta$ dBi
20° < q < 26.3°	.....	-3.5 dBi
26.3° < q < 48°	.....	32-25 log $\theta$ dBi
48° < q < 180°	.....	10 dBi

G/T equal or greater than 23 dB/K

### Rx Gain :

19.2 GHz	45.4 dBi
20.2 GHz	45.7 dBi
20.7 GHz	46.1 dBi
21.2 GHz	46.2 dBi

### Tx Gain :

29 GHz	49.6 dBi
30 GHz	50.0 dBi
30.5 GHz	50.0 dBi
31 GHz	50.3 dBi

Compliant with Isolation TX/Rx according to MIL-STD-188-164B (4.2.15)



Esenkent Mah. Baraj Yolu Cad. Emirgan Sok. No: 3  
34776 UMRANIYE-ISTANBUL-TURKEY  
Tel: +90 216 329 56 00 Fax: +90 216 329 02 99  
[www.svstelekom.com.tr](http://www.svstelekom.com.tr) [sales@svstelekom.com.tr](mailto:sales@svstelekom.com.tr)