

# FPA7-1.6RL-GSM/2019

Thuraya Satellite Antenna - High Elevation Coverage

## Provisional Specification

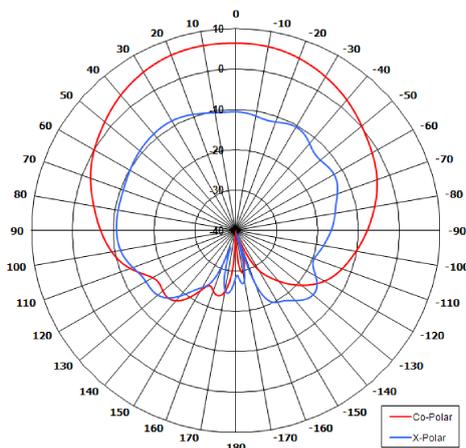
The most important thing we build is trust.

Designed for Thuraya Satellite Network

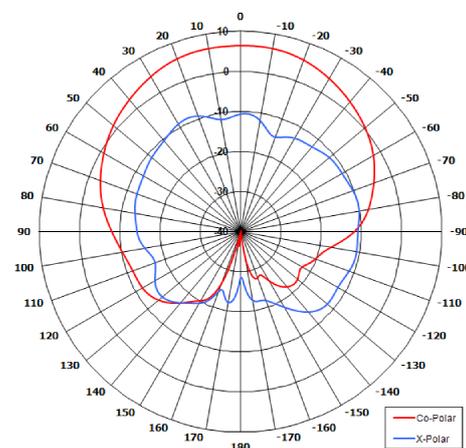
Integrated Passive GPS Antenna

Integrated Quad Band Omni Directional GSM Antenna

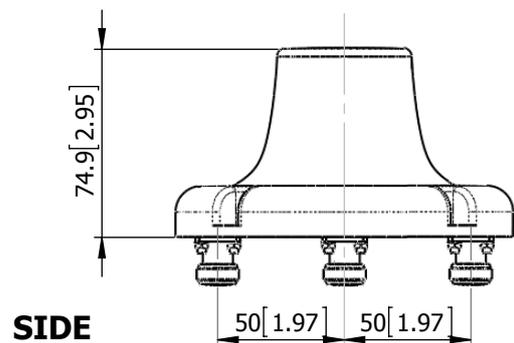
Lightweight



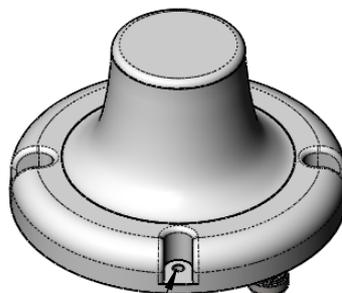
**Azimuth Polar Plot**  
(similar product)



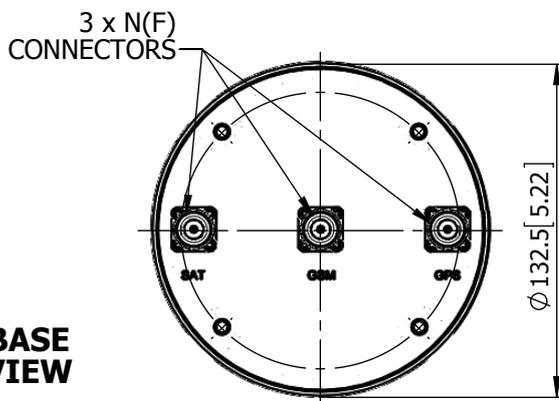
**Elevation Polar Plot**  
(similar product)



**SIDE VIEW**



MOUNTED VIA  
4 OFF  $\varnothing$ 4.5 HOLES  
EQUI-SPACED  
ON 110 [4.33] PCD



**BASE VIEW**

### ELECTRICAL

Frequency:	1.52-1.66 GHz (SAT)
	GSM and GPS
Gain:	7.0 dBiC Nom. (SAT and GPS)
Polarisation:	Left Hand Circular (SAT)
	Right Hand Circular (GPS)
	Linear, Vertical (GSM)
Beamwidth:	70° (Az) x 70° (El) Approx. (SAT)
	77° (Az) x 74° (El) Approx. (GPS)
Axial Ratio:	<2.0 dB Typ. On Boresight
	<4.0 dB Across HPBW
VSWR:	1.5:1 (SAT and GPS), 2.5:1 Typ. (GSM)
Power Rating:	20 W
Front to Back:	25 dB Typ.

### MECHANICAL

Standard Finish:	White
Mass:	275 g (9.71 oz)
Temperature:	-40° to +70°C
Wind Loading:	0.75 Kg (1.65 lbs) @ 100 mph

### MOUNTING OPTIONS

Kits Available:	N/A
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GA:	2019-C	Issued:	250712
Dimensions:	mm [inches]		M

European Antennas Limited trading as Cobham Antenna Systems, Microwave Antennas

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