Product Datasheet Product ID: UD-TP-27

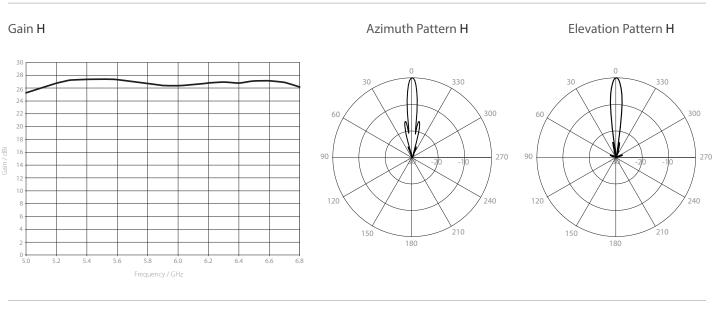
UltraDish[™] TP 27

PARABOLIC DISH ANTENNA WITH TWISTPORT[™] CONNECTOR

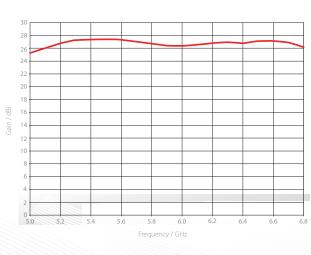
UltraDish[™] TP 27 is designed for subscriber module applications. Minimized sidelobes, wide frequency bandwidth, and stable gain in both polarizations assure dependable performance. Antenna reflector is made of aluminium to ensure a low weight and uniform shape. Our proprietary TwistPort[™] waveguide connector enables intuitive radio connection and replacement.

Massive mount with improved grip and a wide range of applicable pole diameters makes the deployment easy and versatile. Stainless hardware comes with black coating to prevent from seizing at the installation.



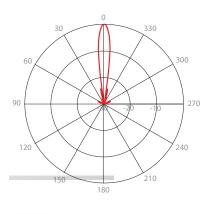


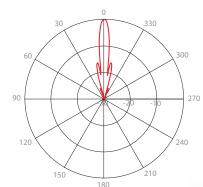






Elevation Pattern V





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1/3 UltraDish™ TP Rev 04-2023

45001

14001

9001

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Product Datasheet



PHYSICAL

Antenna Connection	TwistPort™ - Quick Locking Waveguide Port
Antenna Type	Parabolic Dish
Materials	UV Resistant ABS Plastic, Polycarbonate, Aluminium, Stainless Steel
Environmental	IP65
Pole Mounting Diameter	40-80 mm (1.5-3.1 inch) Recommended as close to 80 mm (3.1 inch) as possible
Temperature	-40 °C to +60 °C (-40°F to +140°F)
Wind Survival	160 km/h (100 mi/h)
Wind Load	351/30 N - Front/Side at 160 km/h (100 mi/h)
Effective Projected Area	2878/246 cm ² - Front/Side (446.1/38.1inch ²)
Weight	3.7 Kg (8 lbs) – single unit (one antenna) 10.6 Kg (23 lbs) – 2PACK (2 units) incl. package
Dimensions	Retail Box 2PACK: 630 x 620 x 165 mm (24.8 x 24.4 x 6.5 inch)

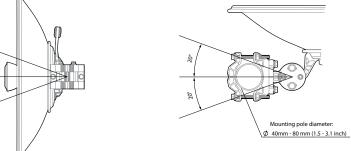
PERFORMANCE						
Frequency Range	5180 - 6775 MHz*					
Gain	27.5 dBi					
Beam Efficiency**	61%					
Front-to-Back Ratio (Min)	37 dB					
Azimuth Beam Width	-3 dB: H 7° / V 6°	-6 dB: H 10° / V 9°				
Elevation Beam Width	-3 dB: H 6° / V 7°	-6 dB: H 9° / V 10°				

COMPATIBLE WIRELESS PLATFORMS

any TwistPort™ Adaptor	
any SIMPER™ Radio	

PRODUCT DIMENSIONS

585 mm(23 inch)		40 mm (1.5 inch)	13 mm (44 inch)
	\bigwedge		



*We strongly recommend that users do not operate radios outside of the specified frequency range **Beam efficiency defined up to first null

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ISO ISO ISO Ine 9001 14001 4500 and

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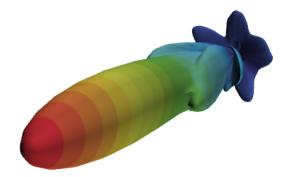
3D radiation diagram

Scale: 30dBi

Compatible with: Adobe Acrobat Reader DC. Not supported on mobile. Use mouse to rotate the diagram. Scroll in/out to zoom in/out.

d	Bi	

				1													1	1		
27.5	26	24.5	23	21.5	20	18.5	17	15.5	14	12.5	11	9.5	8	6.5	5	3.5	2	0.5	-1	-2.5



FRONT	ВАСК	RIGHT	LEFT	UP	DOWN
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(ascer) (ascer) ment system	r that meets the requirements of the IS0 21 standard, while this system was certi	0 9001,150,14001			www.rfelements.com