

O20V16DTF

Low PIM Sharp Beam Link Antenna for DAS / 1695-2700 MHz / 20 dBi / 15°

DAS Link			
Frequency Range		1695-2170	2300-2400
HPBW		17°	15°
			2500-2700
			13°

Model No.	O20V16DTF		
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Frequency Range	(MHz)	1695-2170	2300-2400	2500-2700
Gain	(dBi)	19.1 ± 1.1	20.1 ± 0.1	20.4 ± 0.2

Horizontal Pattern:

Azimuth Beam width	(°)	17.7 ± 2.1	15.2 ± 0.1	13.6 ± 0.3
Front-to-Back Ratio	(dB)	> 39.6	> 38.1	> 37.5

Vertical Pattern:

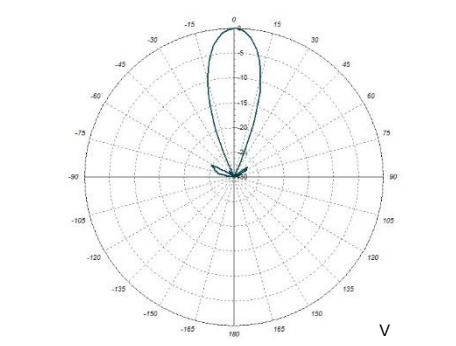
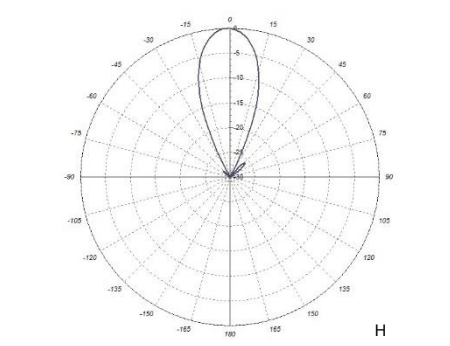
Elevation Beam width	(°)	17.5 ± 2.3	13.9 ± 0.3	13.5 ± 0.2
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VSWR		< 1.5:1	< 1.5:1	< 1.5:1
Polarization			Vertical	
Intermodulation IM3	(dBc)		< -153 (2x43 dBm carrier)	
Impedance	(Ω)		50	
Max. Effective Power per Port	(watts)		100	

Values based on NGMN-P-BASTA requirements

Mechanical Specifications

Connector Type & Quantity		7-16 Female (Optional : N Female)
Connector Position		Backside
Antenna Dimension (H x W x D)	(mm/in)	533 x 533 x 73 21.0 x 21.0 x 2.9
Weight (Clamp incl.)	(kg/lb)	5 11.0
Wind Load (@100 mph)	(N)	Front 406, Side 59, Rear 406
Max. Wind Speed	(mph)	150
Radome (Color)		ASA (White)
Product Environmental compliance		ROHS compliant



Mechanical Drawing & Configuration Table

