

DO11X30602P

Spot Beam 30/60

698-960, 1695-2700 MHz / 10, 11 dBi / H30°, V60°

DO11X30602P 4310 : 4.3-10 Female x 2

High Capacity Venue Multiband Antenna

Frequency Range

HPBW

698-750	750-820	820-960	1695-1910	1910-2180	2180-2700
39°	36°	33°	33°	30°	26°

Model No.	DO11X30602P					
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Frequency Range (MHz)	698-750	750-820	820-960	1695-1910	1910-2180	2180-2700
Gain (dBi)	10.8 ± 0.6	10.7 ± 0.4	11.0 ± 0.4	10.7 ± 0.3	11.4 ± 0.6	11.7 ± 0.5

Horizontal Pattern:

Azimuth Beam width (°)	39.5 ± 2.1	36.2 ± 1.6	33.1 ± 3.0	33.7 ± 2.1	30.4 ± 1.5	26.0 ± 3.7
First Upper Side Lobe Suppression (dB)	> 25.6	> 20.9	> 17.2	> 21.2	> 19.8	> 19.4

Vertical Pattern:

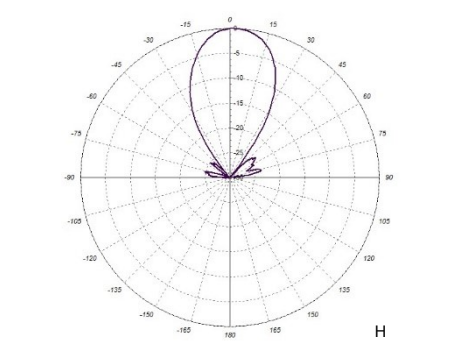
Elevation Beam width (°)	75.2 ± 2.7	70.6 ± 4.4	70.3 ± 4.2	64.0 ± 3.7	60.3 ± 3.0	63.5 ± 4.1
Front-to-Back Ratio (dB)	> 21.0	> 22.9	> 23.5	> 21.9	> 26.4	> 25.6
Cross Polar Discrimination at Boresight (dB)	> 24.7	> 18.6	> 19.3	> 14.1	> 15.0	> 13.6

Isolation (dB)		23			25	
VSWR		< 1.6:1			< 1.6:1	
Polarization				+ 45°, - 45°		
Intermodulation IM3 (dBc)				< -153 (2x43 dBm carrier)		
Impedance (Ω)				50		
Max. Effective Power per Port (watts)				200		

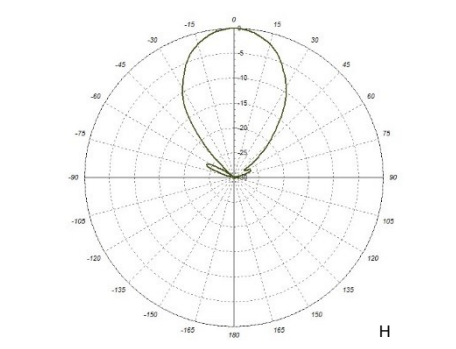
Values based on NGMN-P-BASTA requirements

Mechanical Specifications

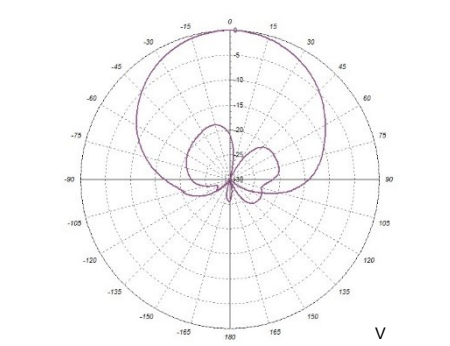
Connector Type & Quantity	7-16 Female x 2 (Optional : 4.3-10 Female x 2)	
Connector Position	Backside	
Antenna Dimension (H x W x D) (mm/in)	300 x 600 x 130 11.8 x 23.6 x 5.1	
Weight (Clamp incl.) (kg/lb)	8 17.6	
Wind Load (@100 mph) (N)	Front 256, Side 112, Rear 258	
Max. Wind Speed (mph)	150	
Radome (Color)	FRP (Gray)	
Product Environmental compliance	ROHS compliant	



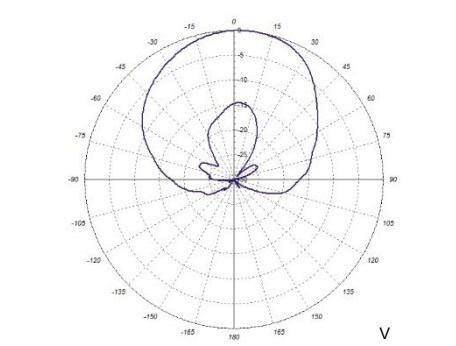
Low Band



High Band



V



V

Mechanical Drawing & Configuration Table



698-960 / 1695-2700 +45	698-960 / 1695-2700 -45
●	●
7-16 Female Or 4.3-10 Female	7-16 Female Or 4.3-10 Female

