

DO15X30302P

Spot Beam 30/30

698-960, 1695-2700 MHz / 13, 15 dBi / H30°, V30°

DO15X30302P 4310 : 4.3-10 Female x 2

High Capacity Venue Multiband Antenna

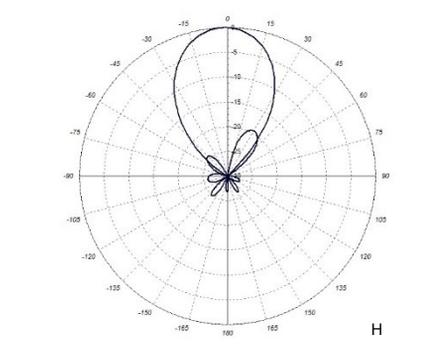
Frequency Range	698-740	740-793	793-894	894-960	1695-1910	1910-2180	2305-2360	2360-2700
HPBW	39°	37°	34°	29°	33°	27°	23°	23°

Model No.		DO15X30302P							
Frequency Range (MHz)		698-740	740-793	793-894	894-960	1695-1910	1910-2180	2305-2360	2360-2700
Gain (dBi)		12.9 ± 0.4	13.2 ± 0.4	12.7 ± 0.3	12.7 ± 0.2	13.5 ± 1.0	15.5 ± 1.3	16.2 ± 0.2	16.2 ± 0.6
Horizontal Pattern:									
Azimuth Beam width (°)		39.5 ± 1.4	37.3 ± 1.2	34.7 ± 2.4	29.9 ± 2.5	33.4 ± 3.5	27.6 ± 4.1	23.5 ± 1.1	23.3 ± 2.7
Front-to-Back Ratio (dB)		> 23.7	> 25.2	> 26.2	> 25.0	> 34.9	> 37.1	> 38.9	> 34.7
Cross Polar Discrimination at Boresight (dB)		> 21.8	> 22.1	> 23.3	> 21.5	> 24.6	> 23.5	> 21.2	> 24.2
Vertical Pattern:									
Elevation Beam width (°)		39.5 ± 1.0	37.5 ± 1.1	34.4 ± 2.8	29.8 ± 2.2	33.1 ± 3.4	27.3 ± 3.4	23.5 ± 1.0	23.1 ± 2.6
Isolation (dB)		27				27			
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			

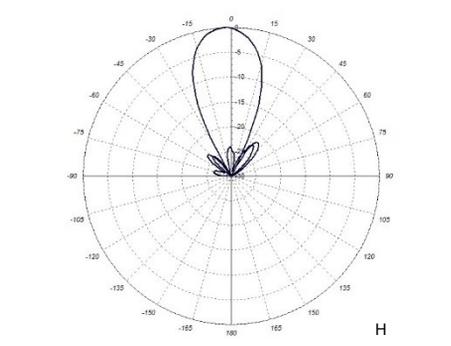
Values based on NGMN-P-BASTA requirements

Mechanical Specifications

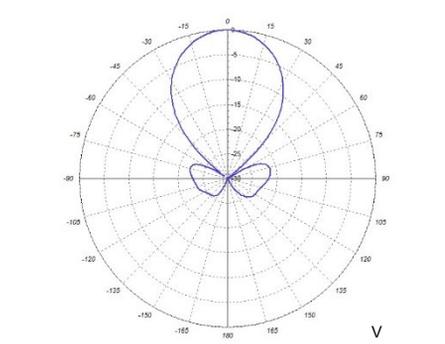
Connector Type & Quantity		7-16 Female x 2 (Optional : 4.3-10 Female x 2)
Connector Position		Backside
Antenna Dimension (H x W x D) (mm/in)		600 x 600 x 145 23.6 x 23.6 x 5.7
Weight (Clamp incl.) (kg/lb)		12 26.4
Wind Load (@100 mph) (N)		Front 512, Side 120, Rear 512
Max. Wind Speed (mph)		150
Radome (Color)		FRP (Gray)
Product Environmental compliance		ROHS compliant



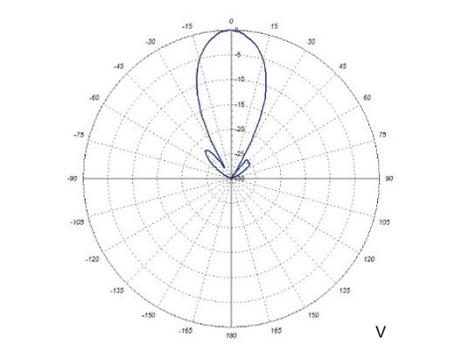
Low Band



High Band



V

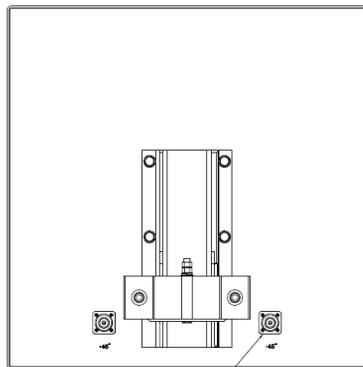
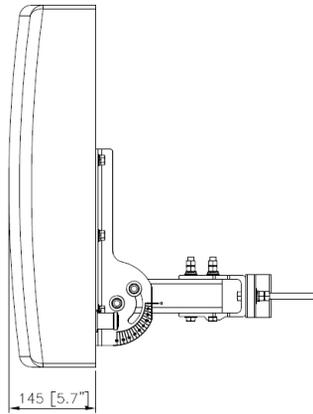
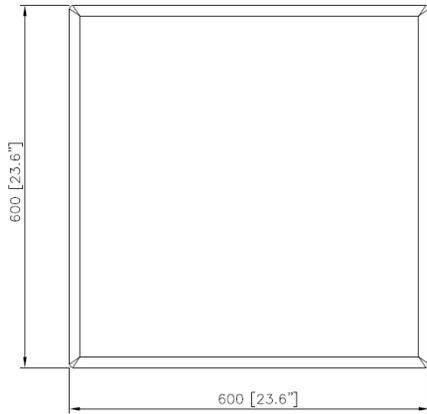
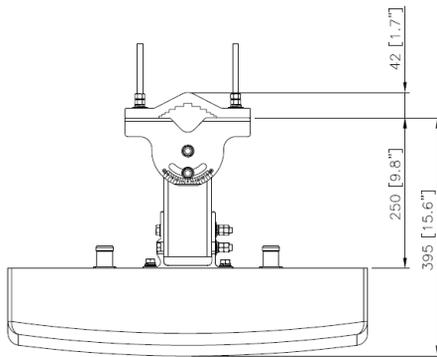


V

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



female Din connector

