



Low+Mid 4T4R Spot Beam Antenna

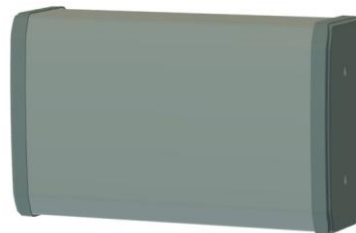
(1x) 698-960 MHz
(2x) 1695-2700 MHz

4-Port

DO11X30604P

Features & Applications

- Low + Mid Band 4T4R Stadium Spot Beam Antenna
- 2-port x 698-960 MHz, 4- port x 1695-2700 MHz
- H 30° / V 60°
- Gain : 11 dBi / 11 dBi



ELECTRICAL SPECIFICATIONS

Port Information	-	R1		Y1		
Frequency Range	(MHz)	698-790	790-960	1695-1910	1910-2180	2496-2700
Gain (avg.)	(dBi)	11±0.9	12±0.8	11.4±0.4	12.5±0.9	12.8±0.4

Horizontal Pattern

Parameter	(°)	34.4±1.7	30.5±2	29.6±2.1	26.3±2.4	21±1.4
Azimuth Beam width	(°)	34.4±1.7	30.5±2	29.6±2.1	26.3±2.4	21±1.4
USLS	(dB)	16.5	17.3	19.4	15.6	11.9

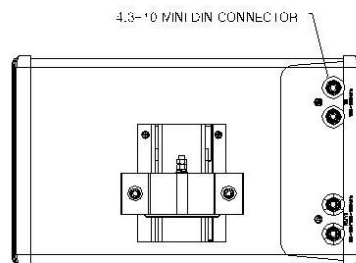
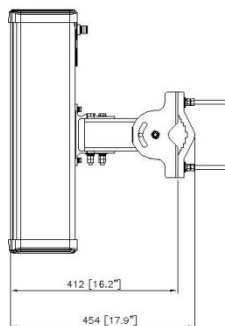
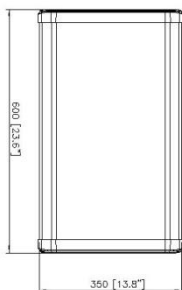
Vertical Pattern

Elevation Beam width	(°)	69±8.9	62.4±3.9	67.4±6.3	57.7±5.8	60.9±2.6
Front-to-Back Ratio	(dB)	19.7	20.2	22.5	22.5	22.6
Cross Polar Discrimination at Boresight	(dB)	17.8	18.1	14.6	17	17.4
Cross Polar Discrimination over Sector	(dB)	7.2	5.2	10.9	7.5	7.6

GENERAL SPECIFICATIONS

Isolation	(dB)	>23				
VSWR	-	1.5 : 1		1.7 : 1		
Polarization	(°)	Slant ±45				
Intermodulation IM3	(dBc)	-153(2x43 dBm carrier)				
Impedance	(Ω)	50				
Max. Effective Power per Port	(Watts)	200				

Outline



Back side



Low+Mid 4T4R Spot Beam Antenna

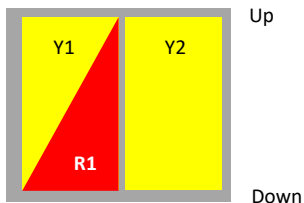
(1x) 698-960 MHz
(2x) 1695-2700 MHz

4-Port

MECHANICAL SPECIFICATIONS

Connector Type & Quantity	-	4 x 4.3-10 Female
Connector Position	-	Backside
Antenna Dimension (H x D)	(inch / mm)	23.7 x 14.2 x 6.7 / 600 x 360 x 170
Weight (without Mounting Kit)	(lb / kg)	13.3 / 6
Wind Load (@100 mph)	(N)	Front 256, Side 121, Rear 256
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	FRP (Gray)

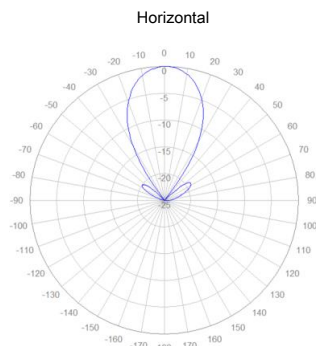
Array Information



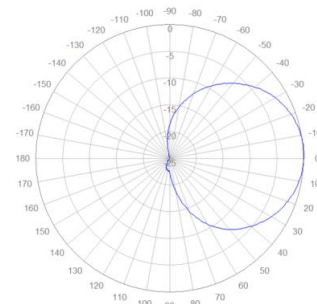
Array	Frequency(MHz)	Connectors
R1-Y1	698-960 / 1695-2700	1-2
Y2	1695-2700	3-4

Pattern

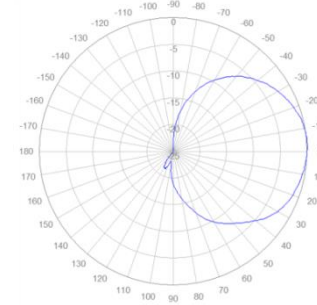
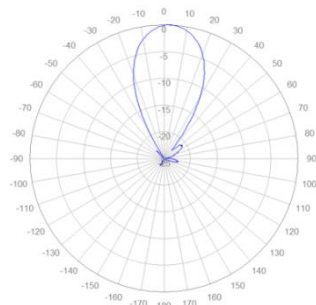
Pattern File_698-960 MHz



Vertical



Pattern File_1695-2700 MHz





Thank you for your Consideration !

gamma nu
PIM FREE ANTENNA

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