



Low+Mid 2T2R Narrow Beam Antenna

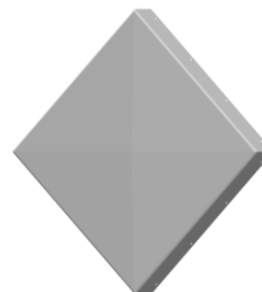
(1x) 698-960 MHz
(1x) 1695-2700 MHz

2-Port

DO17X20HFB2P

Features & Applications

- Low + Mid Band Stadium Narrow Beam Antenna
- 698-960 MHz, 1695-2700 MHz
- Low 25° / High 17°
- Gain : 16 dBi / 19 dBi



ELECTRICAL SPECIFICATIONS

Port Information	-	R1		Y1		
Frequency Range	(MHz)	698-806	806-960	1695-1910	1910-2180	2180-2700
Gain (avg.)	(dBi)	16.1±0.7	16.1±0.4	17.1±0.5	18.9±1.3	19.4±0.5

Horizontal Pattern

Azimuth Beam width	(°)	27±2.5	22.4±2.5	19.5±1.4	16.6±1.9	13.9±0.5
Front-to-Back Ratio	(dB)	23.6	25.4	32.9	34.3	36.1

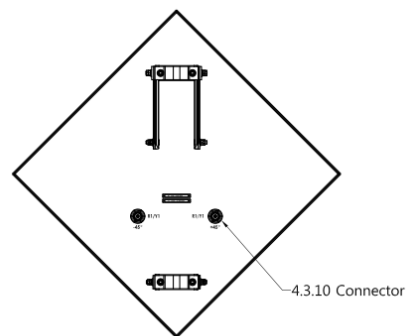
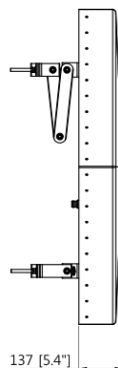
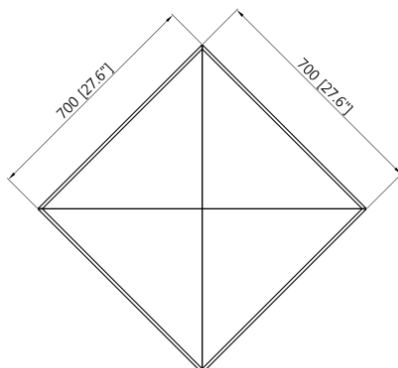
Vertical Pattern

Elevation Beam width	(°)	27.1±1.7	22.2±2.2	18.9±1.1	16.3±1.6	14.1±0.5
USLS	(dB)	18	18.5	22.7	22.3	21.2

GENERAL SPECIFICATIONS

Isolation	(dB)	>25
VSWR	-	1.7 : 1
Polarization	(°)	Slant ±45
Intermodulation IM3	(dBc)	-153(2x43 dBm carrier)
Impedance	(Ω)	50
Max. Effective Power per Port	(Watts)	100

Outline



Back side



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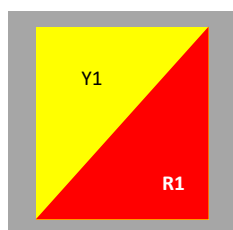
(1x) 698-960 MHz
(1x) 1695-2700 MHz

2-Port

MECHANICAL SPECIFICATIONS

Connector Type & Quantity	-	2 x 4.3-10 Female (Optional 7/16 Female)
Connector Position	-	Backside
Antenna Dimension (H x D)	(inch / mm)	27.6 x 27.6 x 5.4 / 700 x 700 x 137
Weight (without Mounting Kit)	(lb / kg)	36.5 / 18
Wind Load (@100 mph)	(N)	Front 697, Side 135, Rear 697
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	FRP (Gray)

Array Information



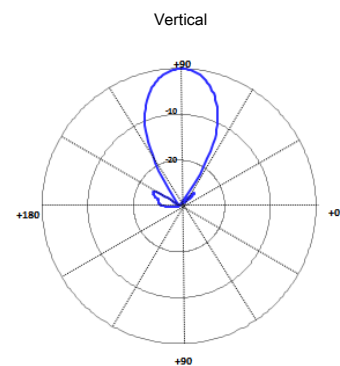
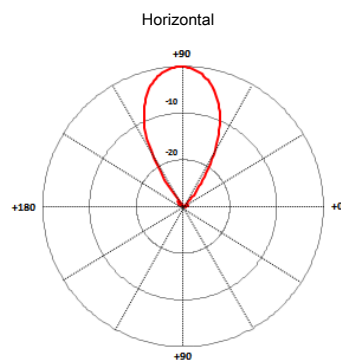
Up

Down

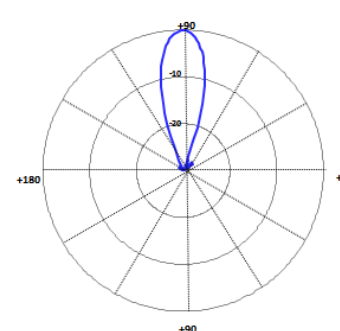
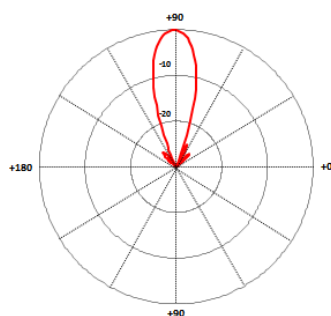
Array	Frequency(MHz)	Connectors
R1-Y1	698-960 / 1695-2700	1-2

Pattern

Pattern File_698-960 MHz



Pattern File_1695-2700 MHz





Thank you for your Consideration !

gamma nu
PIM FREE ANTENNA

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