Pseudo Omni Canister 0˚ / 6˚ Fixed

1850-1990 MHz
1695-1780 / 2110-2400 MHz
3550-4000 MHz
5150-5925 MHz

14-Port

QOYZ9X360F14Tx



Features & Applications

· Small Cell Pseudo Omni Canister 0˚ / 6˚ Fixed Antenna

· Diplexer for Mid-band: 1850-1990MHz, 1695-1780 / 2110-2400MHz

· 4-port x 1850-1990MHz, 4-port x 1695-1780 / 2110-2400MHz, 4-port x 3550-4000MHz, 2-port x 5150-5925MHz

· HPBW : 360 ˚

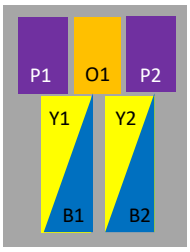
· Gain : 8.4 dBi, 9 dBi, 6 dBi, 5.6 dBi

*This antenna is UNII-1 Compliance @ 1W input power. Guidance for compliance of U-NII devices under Part 15, Subpart E of the FCC rules.

ELECTRICAL SPECIFICATIONS							
Port Information	-	B1-B2	Y1-Y2			P1-P2	O1
Frequency Range	(MHz)	1850-1990	1695-1780	2110-2180	2300-2360	3550-4000	5150-5925
Gain (avg.)	(dBi)	8.45	8.31	9.25	9.16	6.01	5.63
Horizontal Pattern							
Azimuth Beam width	(°)	360					
Gain OMNI Deviation	(dB)	5	3.5	5	5	6	7
Vertical Pattern							
Elevation Beam width	(°)	18.62	21.45	17.39	15.73	27.02	23
First Upper Side Lobe Suppression	(dB)	15	15	15	15	8	9
Electrical Down Tilt	(°)	(x) 0˚, 6˚ Fixed				-	-

GENERAL SPECIFICATIONS				
In-Band Cross Polar Port Isolation	(dB)	>20		
Inter-Band Port Isolation	(dB)	>25		
VSWR	-	<1.5 : 1(Typ.)	<1.5 : 1(Typ.)	1.5 : 1(Typ.) 1.7 : 1(Max)
Polarization	-	±45°		
Intermodulation IM3	(dBc)	-153(3rd Order, 2x20W)	-	-
Impedance	(Ω)	50		
Max. Effective Power per Port	(Watts)	100	100	1

Array Information



Up

Down

: Diplexer for Mid Band

Array	Frequency(MHz)	Connectors
B1-B2	1850-1990	1-4
Y1-Y2	1695-1780 / 2110-2400	5-8
P1-P2	3550-4000	9-12
O1	5150-5925	13-14

www.gammanu.com

The parameters Based on the NGMN P-Basta definition and recommendation.

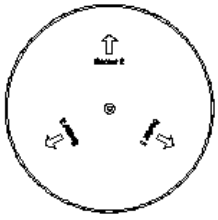
Copyright (c) 2023 GAMMA NU, INC. All rights reserved.

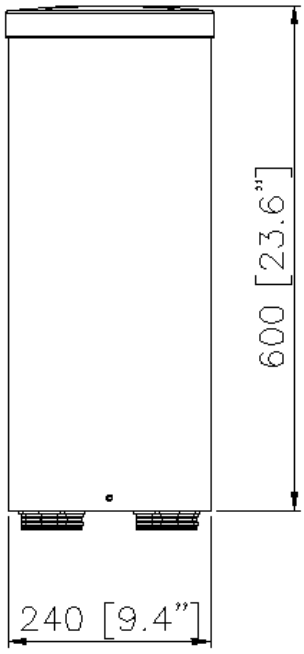
Pseudo Omni Canister 0˚ / 6˚ Fixed

1850-1990 MHz
1695-1780 / 2110-2400 MHz
3550-4000 MHz
5150-5925 MHz

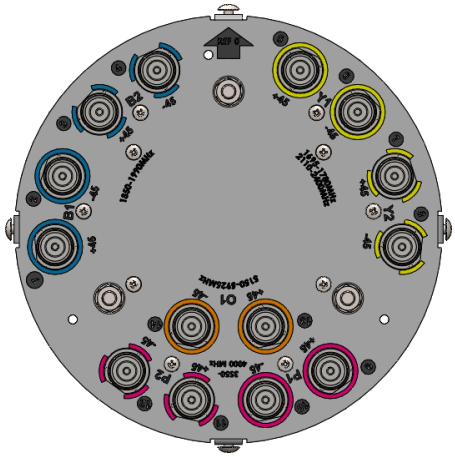
14-Port

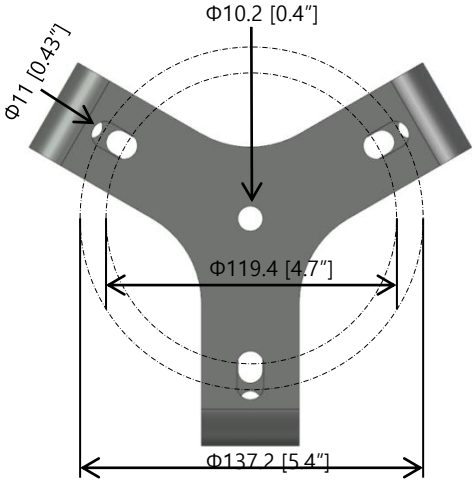
Outline





Bottom





MECHANICAL SPECIFICATIONS		
Connector Type & Quantity	-	14 x 4.3-10 Female
Connector Position	-	Bottom
Antenna Dimension (D x H)	(inch / mm)	Ø 9.4 x 23.6 / Ø 240 x 600
Weight (without Mounting Kit)	(lb / kg)	17.6 / 8
Wind Load (@100 mph)	(N)	205
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	FRP (Gray)

www.gammanu.com

The parameters Based on the NGMN P-Basta definition and recommendation.

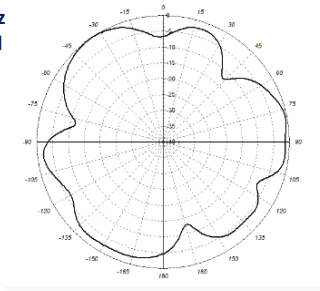
Copyright (c) 2023 GAMMA NU, INC. All rights reserved.

Pseudo Omni Canister 0˚ / 6˚ Fixed

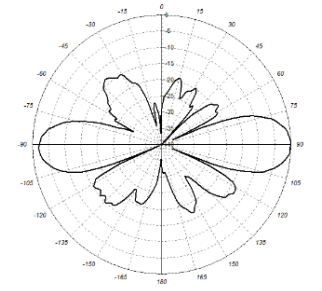
1850-1990 MHz
1695-1780 / 2110-2400 MHz
3550-4000 MHz
5150-5925 MHz

14-Port

Pattern File_1850-1990 MHz
0˚ Fixed

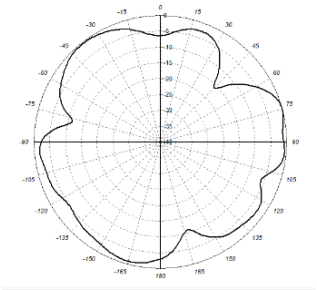


Horizontal

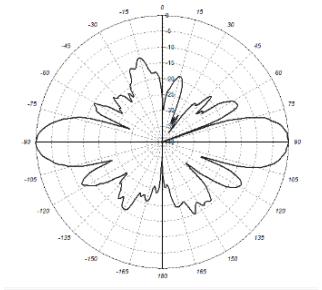


Vertical

Pattern File_1695-1780 / 2110-2400 MHz
0˚ Fixed

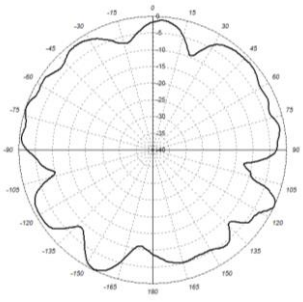


Horizontal

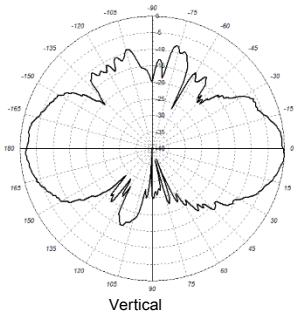


Vertical

Pattern File_3550-4000 MHz

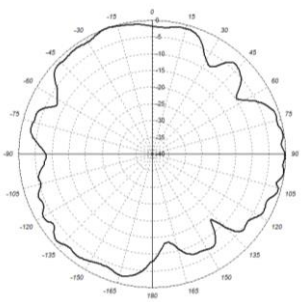


Horizontal

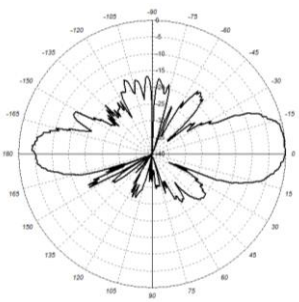


Vertical

Pattern File_5150-5925 MHz



Horizontal



Vertical

The parameters Based on the NGMN P-Basta definition and recommendation.

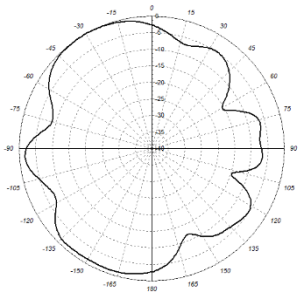
Copyright (c) 2023 GAMMA NU, INC. All rights reserved.

Pseudo Omni Canister 0˚ / 6˚ Fixed

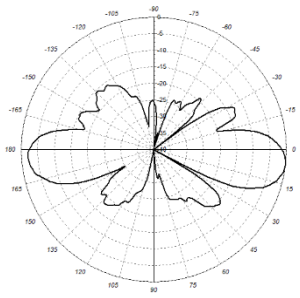
1850-1990 MHz
1695-1780 / 2110-2400 MHz
3550-4000 MHz
5150-5925 MHz

14-Port

Pattern File_1850-1990 MHz
6˚ Fixed

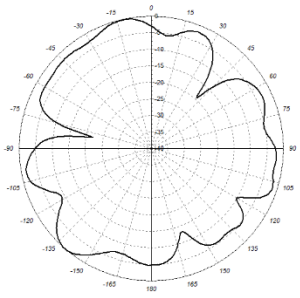


Horizontal

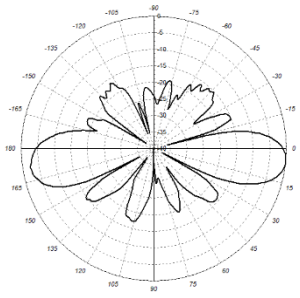


Vertical

Pattern File_1695-1780 / 2110-2400 MHz
6˚ Fixed



Horizontal



Vertical

The parameters Based on the NGMN P-Basta definition and recommendation.

Copyright (c) 2023 GAMMA NU, INC. All rights reserved.



Pseudo Omni Canister 0˚ / 6˚ Fixed

1850-1990 MHz
1695-1780 / 2110-2400 MHz
3550-4000 MHz
5150-5925 MHz

14-Port

Ordering Options				
Model Number	Select from the following Electrical down tilting degree			
	1850-1990	1695-1780 / 2110-2400	3550-4000	5150-5925
QOYZ9X360F14T0	0° Fixed	0° Fixed	0°	0°
QOYZ9X360F14T6	6° Fixed	6° Fixed	0°	0°

The parameters Based on the NGMN P-Basta definition and recommendation.

Copyright (c) 2023 GAMMA NU, INC. All rights reserved.





Thank you for your Consideration !

gamma nu
PIM FREE ANTENNA

Head Office in Korea

185- 44, Geumgok-ro, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Korea
Tel: +82) 31.831.8800~7
sales@gammanu.com

U.S Office

151 N. Kraemer Blvd, Suite# 205 Placentia CA 92870
T.(800) 909. 5221, F.(714) 646. 9908
gnt.sales@gammanu.com