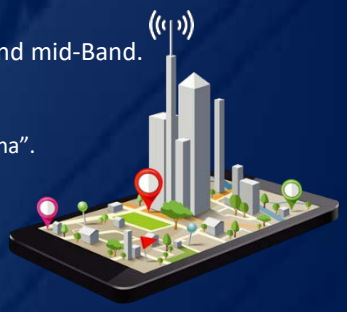
Extended & Enhanced 3.45 / C-Band Frequency Range

The main new attributes of these antennas are

- **LAA** 2-ports are **removed.**
- **The frequency range for C-Band/CBRS** was enlarged to **3300-4200 MHz.**
- **Increased C-band gain** to 9 dBi or better to synchronize coverage between C-Band and mid-Band.
- **Stable Low PIM Durability**: PIM specs **including C-Band** are **-153 dBc.**

  PIM is obviously a very important word for Gamma Nu. It is part of our slogan: “PIM Free Antenna”.
- **Easy to Swap-out**: The antenna form factor has not changed.



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gamma nu

Pseudo Omni 12-port Canister Antenna 6˚ Fixed

1850-1990 MHz
1695-1780 / 2110-2400 MHz
3300-4200 MHz

12-Port

QOY9X360F12T6



Features & Applications

· Small Cell Pseudo Omni Canister 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 3300-4200MHz

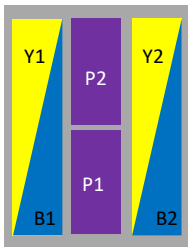
· HPBW : 360 ˚

· Gain : 8.8 dBi, 9.2 dBi, 9.1 dBi

ELECTRICAL SPECIFICATIONS						
Port Information	-	B1-B2	Y1-Y2			P1-P2
Frequency Range	(MHz)	**1850-1990**	**1695-1780**	**2110-2180**	**2300-2360**	**3300-4200**
Gain (Max)		8.8	8.9	9.2	9.2	9.1
Gain (Avg.)	(dBi)	8.5	8.5	8.5	8.6	8.2
Horizontal Pattern						
Azimuth Beam width	(°)	360				
Gain OMNI Deviation	(dB)	5	3.5	5	5	6
Vertical Pattern						
Elevation Beam width	(°)	15.9	16.8	13.2	12.0	15.1
First Upper Side Lobe Suppression	(dB)	11				8
Electrical Down Tilt	(°)	6˚ Fixed				

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

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	3300-4200	9-12

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

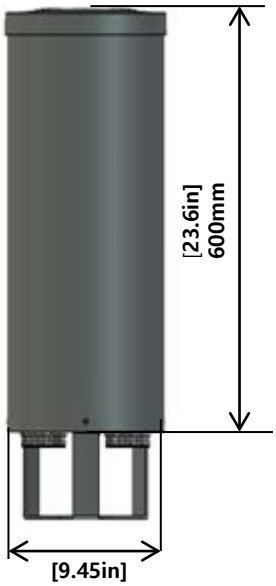
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Pseudo Omni 12-port Canister Antenna
6˚ Fixed

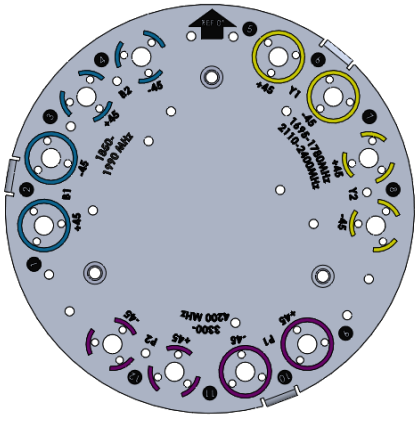
1850-1990 MHz
1695-1780 / 2110-2400 MHz
3300-4200 MHz

12-Port

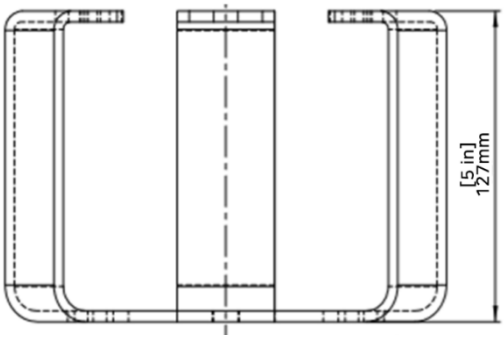
Outline

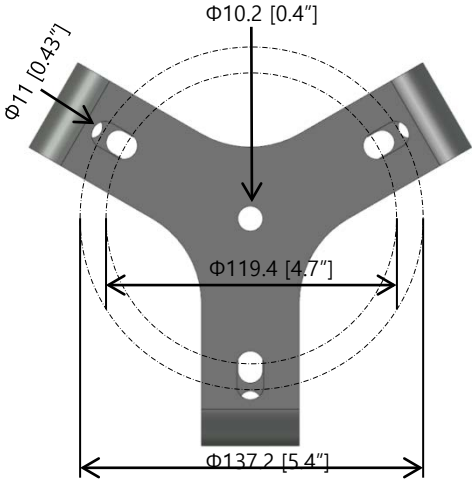


Bottom



Bracket





MECHANICAL SPECIFICATIONS		
Connector Type & Quantity	-	12 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)	230
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	ASA (Gray)

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

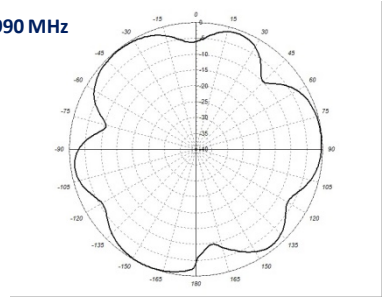
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Pseudo Omni 12-port Canister Antenna 6˚ Fixed

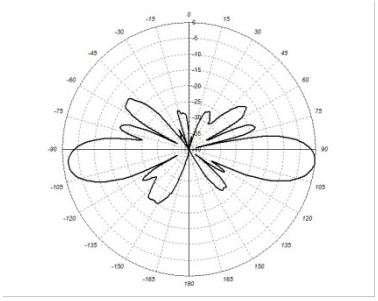
1850-1990 MHz
1695-1780 / 2110-2400 MHz
3300-4200 MHz

12-Port

Pattern File_1850-1990 MHz

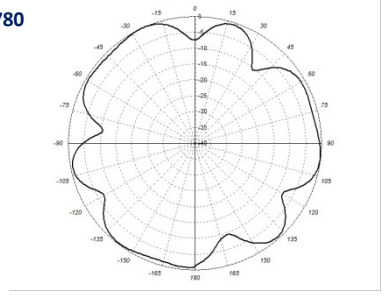


Horizontal

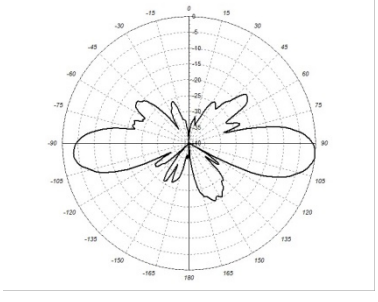


Vertical

Pattern File_1695-1780 / 2110-2400 MHz

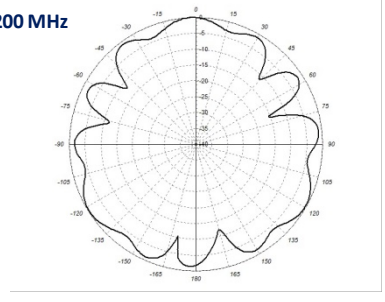


Horizontal

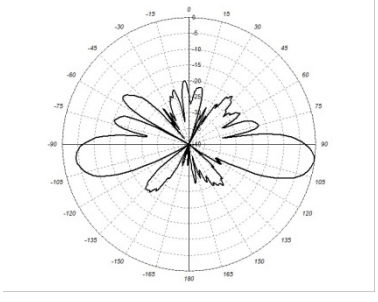


Vertical

Pattern File_3300-4200 MHz



Horizontal



Vertical

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Thank you for your Consideration !

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