

(2x) 698-960 | (6x) 1695-2700 | (4x) 3300-4200 MHz

PEANUT-SHAPE 23.9 IN FIXED TILT

2C6U4VB180X06Fwxys4

Features

- 180° peanut-shape configuration with 24 connectors
- Ideal for multi-carrier or MIMO deployments
- Broadband networks 698-960 MHz, 1695-2700 and 3300-4200 MHz
- Easily removable lifting ring
- Improvements in gain, port isolation and VSWR



	Frequency Range (MHz)	(2x) 698-960	(6x) 1695-2700	(4x) 3300-4200				
	Array	■ R1 ■ R2	■ Y1 ■ Y2 ■ Y3 ■ Y4 ■ Y5 ■ Y6	■ P1 ■ P2 ■ P3 ■ P4				
>	Connector	4 PORTS	12 PORTS	8 PORTS				
≷	Polarization	XPOL	XPOL	XPOL				
OVERVIEW	Electrical Downtilt	0°	2°, 4°, 6°	0°				
	Configuration	PEANUT-SHAPE CONFIGURATION						
PRODUCT	Maximum Continuous Power Per Port @ 50° C (122° F)	100 WATTS	80 WATTS	60 WATTS				
PRC	Maximum Total Continuous Power at 50° C (122° F)	1840 WATTS						
	Connector Type	(24x) 4.3-10 FEMALE						
	Dimensions	607 x Ø371 mm (23.9 x Ø14.6 in)						
	Radome Color Options	GREY, BROWN or BLACK						

ELECTRICAL SPECIFICATIONS

■ R1 ■ R2

ange	MHz	(2x) 6	98-960			
ub-Range	MHz	698-806	806-960			
		±45°				
BASTA	dBi	3.4 ± 0.7	4.5 ± 1.0			
MAX	dBi	4.1	5.5			
mwidth (3 dB)	degrees	108.2° ± 14.4°	76.8° ± 30.5°			
eamwidth (3 dB)	degrees	74.9° ± 18.4°	66.5° ± 13°			
wntilt	degrees	(w) 0°				
	Ohms	50Ω				
		1.5:1				
	dBc	< -153				
bbe Suppression	dB	N/A				
Intraband	dB	>	25			
Interband	dB	> 28 same band; >	> 30 different bands			
	mwidth (3 dB) eamwidth (3 dB) wntilt modulation r 2x20 W Carriers bbe Suppression Intraband	BASTA dBi MAX dBi mwidth (3 dB) degrees eamwidth (3 dB) degrees wntilt degrees Ohms modulation r 2x20 W Carriers be Suppression dB Intraband dB	MHz 698-806			



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ELECTRICAL SPECIFICATIONS Y1 Y2 Y3 Y4 Y5 Y6									
Frequency Range MHz			(6x) 1695-2700						
Frequency Sub-Range		MHz	1695-1880 1850-1990		1920-2200	2300-2700			
Polarization				±4	45°				
C	BASTA	dBi	6.6 ± 0.9	6.6 ± 1.1	6.6 ± 1.1	7.4 ± 0.9			
Gain	MAX	dBi	7.5	7.7	7.7	8.3			
Azimuth Be	amwidth (3 dB)	degrees	63.5° ± 15.1°	68.4° ± 19.8°	64.2° ± 19.1°	54.6° ± 14.3°			
Elevation Be	Elevation Beamwidth (3 dB)		45.5° ± 7.8°	43° ± 9.5°	39.9° ± 10.5°	34.4° ± 7.1°			
Electrical De	owntilt	degrees	(x) 2°, 4°, 6°						
Impedance		Ohms	50Ω						
VSWR			1.5:1						
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153						
Upper Sidelobe Suppression		dB	N/A						
ta daga .	Intraband	dB	> 25						
Isolation	Interband	dB	> 28 same band; > 30 different bands						

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ELECTRICAL SPECIFICATIONS ■ P1 ■ P2 ■ P3 ■ P4								
Frequency R	Range	MHz	(4x) 3300-4200					
Frequency Sub-Range		MHz	3300-3550 3550-3700		3700-4200			
Polarization			±45°					
Cata	BASTA	dBi	6.3 ± 1.0 6.4 ± 0.9		6.3 ± 1.0			
Gain	MAX	dBi	7.3	7.3	7.3			
Azimuth Beamwidth (3 dB)		degrees	59.4° ± 16.5°	57.4° ± 19.9°	63.3° ± 16.5°			
Elevation Be	Elevation Beamwidth (3 dB)		27.6° ± 5.6°	28.7° ± 7.2°	28.1° ± 6.9°			
Electrical Do	pwntilt	degrees	(y) 0°					
Impedance		Ohms	50Ω					
VSWR			1.5:1					
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153					
Upper Sidelobe Suppression		dB	N/A					
Isolation	Intraband	dB	> 25					
isolation	Interband	dB	> 28 same band; > 30 different bands					



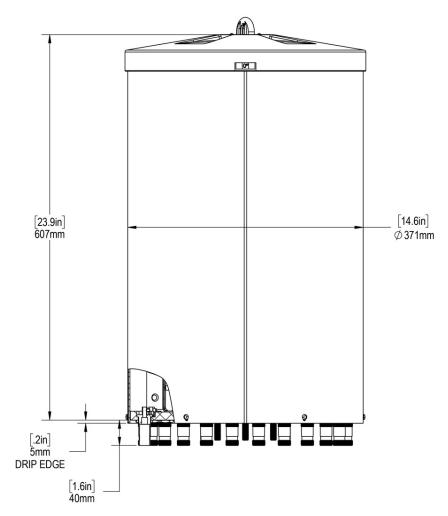
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MECHANICAL SPECIFICATIONS

Antenna	Height		mm (in)	607 (23.9)		
Ante	Diameter		mm (in)	371 (14.6)		
Net Weight - Antenna Only			kg (lbs)	18.1 (40)		
Windload Calculation k			km/h (mph)	160 (100)		
vvinai			N (lbf)	191 (43)		
Survival Wind Speed			km/h (mph)	241 (150)		
Wind	Wind Area			0.22 (2.4)		
Volum	ie		m³ (ft³)	0.07 (2.3)		
C		Туре		(24x) 4.3-10 Female		
Conne	ector	Position		Bottom		
Radome Color			Grey (RAL 7035) Brown (RAL 8022) Black (RAL 9011)			
Lightn	ing Protection (Groun	ding Type)		Direct Ground		



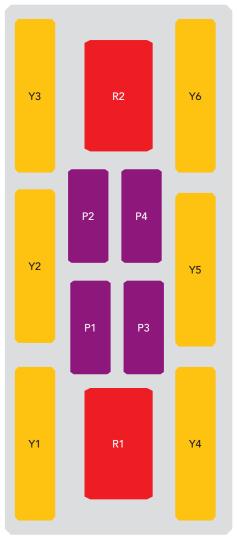
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ARRAY LAYOUT Topology

FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
698-960 MHz	■ R1	1-2	(2x) 4.3-10 Female
698-960 MHz	■ R1	3-4	(2x) 4.3-10 Female
1695-2700 MHz	■ Y1	5-6	(2x) 4.3-10 Female
1695-2700 MHz	■ Y2	7-8	(2x) 4.3-10 Female
1695-2700 MHz	■ Y3	9-10	(2x) 4.3-10 Female
1695-2700 MHz	■ Y4	11-12	(2x) 4.3-10 Female
1695-2700 MHz	■ Y5	13-14	(2x) 4.3-10 Female
1695-2700 MHz	■ Y6	15-16	(2x) 4.3-10 Female
3300-4200 MHz	■ P1	17-18	(2x) 4.3-10 Female
3300-4200 MHz	■ P2	19-20	(2x) 4.3-10 Female
3300-4200 MHz	■ P3	21-22	(2x) 4.3-10 Female
3300-4200 MHz	■ P4	23-24	(2x) 4.3-10 Female



The illustration is not shown to scale.



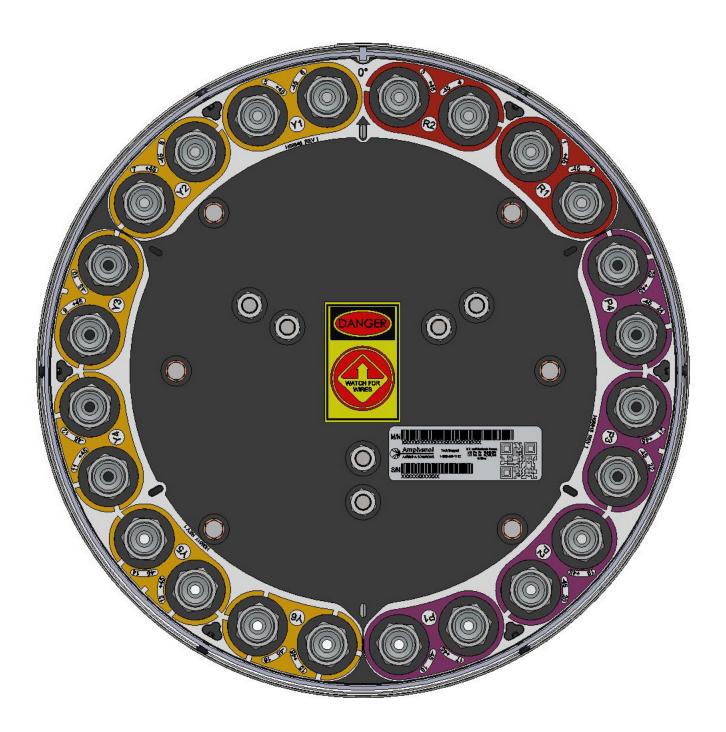


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BOTTOM VIEW - LABELING

Amphenol ANTENNAS



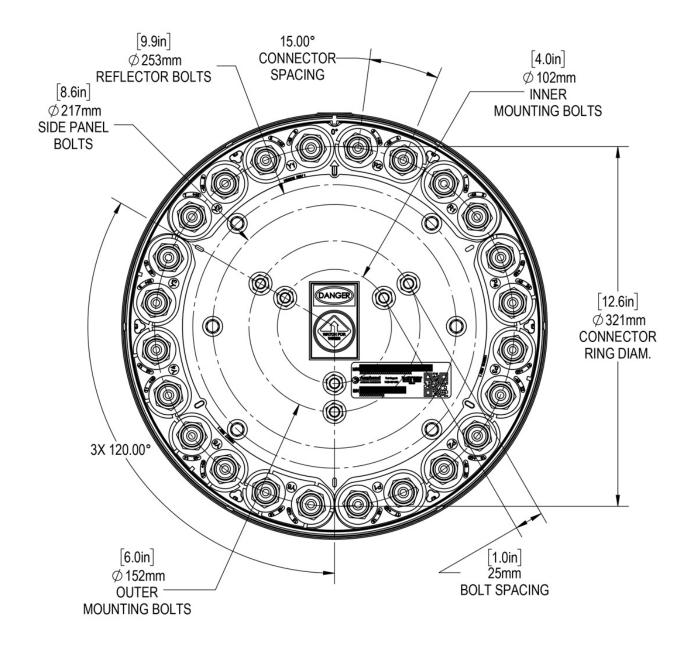


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PEANUT-SHAPE 23.9 IN FIXED TILT

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BOTTOM VIEW - CONNECTOR DIAGRAM



INSTALLATION Please read all installation notes before installing this product.



Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.



(2x) 698-960 | (6x) 1695-2700 | (4x) 3300-4200 MHz

PEANUT-SHAPE 23.9 IN FIXED TILT

2C6U4VB180X06Fwxys4

MODEL NUMBER	DESCRIPTION
CWT-MKS-SIDE	SIDE MOUNTING BRACKET KIT FOR CANISTER ANTENNA
CWT-MKS-TOP	TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA
WB3X-MKS-01	UTILITY POLE MOUNTING BRACKET KIT FOR CANISTER ANTENNA
CWT-MKS-BASE-xx	WIDE DIAMETER POLE TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA. AVAILABLE IN BROWN, BLACK AND GREY TO MATCH ANTENNA RADOME AND/OR MOUNTING STRUCTURE.



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PEANUT-SHAPE 23.9 IN FIXED TILT

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HOW TO READ THE MODEL NUMBER Each letter and number has meaning.

	ER OF BAI TING FREG		PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA- TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
2C	6U	4V	В	180	X	06	F	wxy	s	4	BK BR
(2x) 698- 960	(6x) 1695- 2700	(4x) 3300- 4200	Back- to-Back Peanut- Shape	180°	XPOL	0.6 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.	Connector	4th generation enhanced mechanical package	BK indicates a Black radome. BR indicates a Brown radome. The default radome color is Grey. No letters are required for a Grey radome.

ORDERING OPTIONS Select from the following ordering options

CELECT DADOME COLOR	SELECT DEGRE	EE OF ELECTRICAL DOWNTILT FO	MODEL NUMBER		
SELECT RADOME COLOR	698-960 MHz	1695-2700 MHz	3300-4200 MHz	MODEL NUMBER	
	0°	2°	O°	2C6U4VB180X06F020s4	
Grey RAL 7035	0°	4°	0°	2C6U4VB180X06F040s4	
	0°	6°	O°	2C6U4VB180X06F060s4	
	0°	2°	0°	2C6U4VB180X06F020s4BR	
Brown RAL 8022	0°	4°	0°	2C6U4VB180X06F040s4BR	
	0°	6°	0°	2C6U4VB180X06F060s4BR	
	0°	2°	0°	2C6U4VB180X06F020s4BK	
Black RAL 9011	0°	4°	0°	2C6U4VB180X06F040s4BK	
	0°	6°	0°	2C6U4VB180X06F060s4BK	



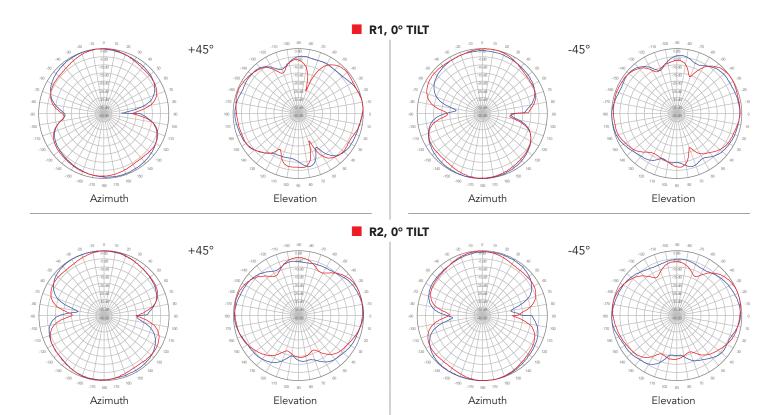
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PEANUT-SHAPE 23.9 IN FIXED TILT

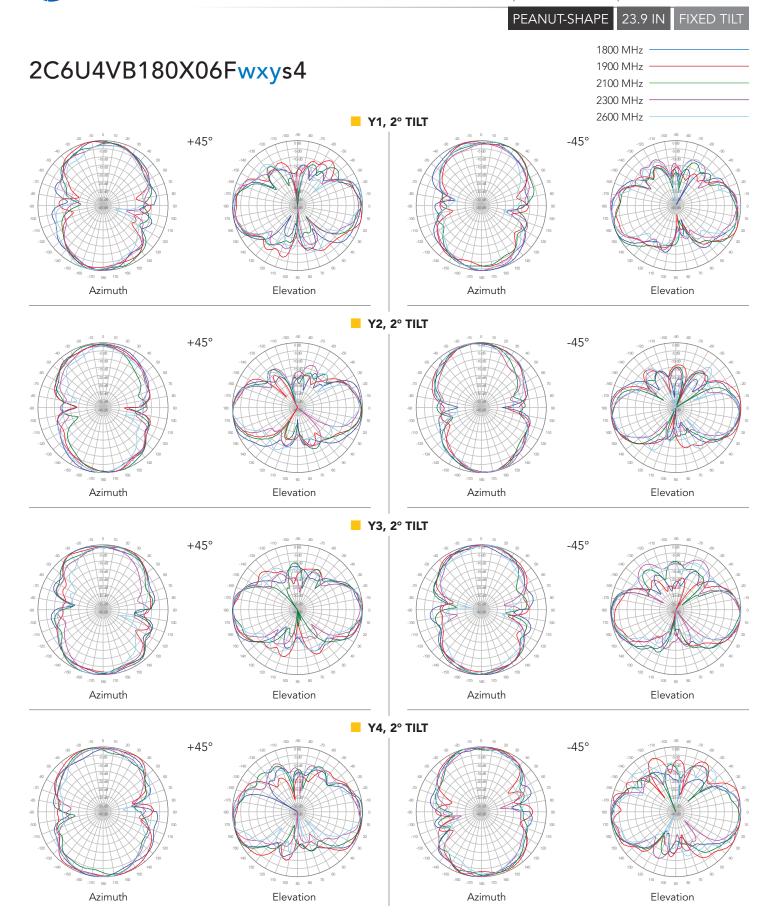
750 MHz

850 MHz

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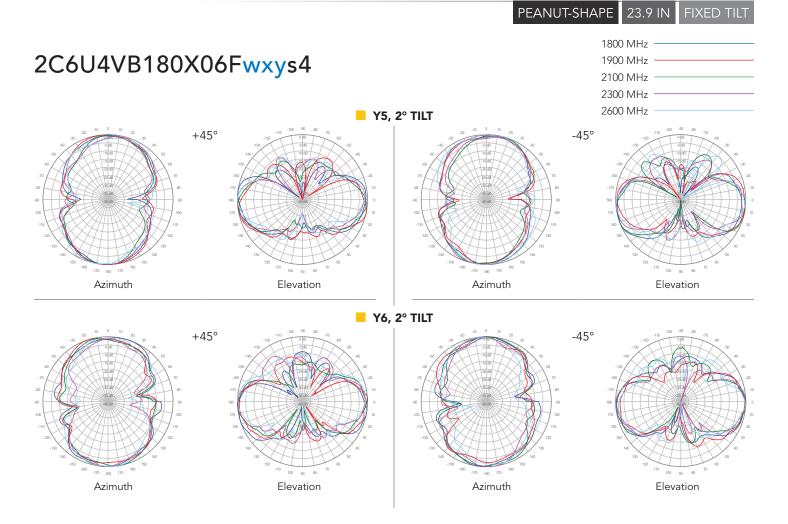


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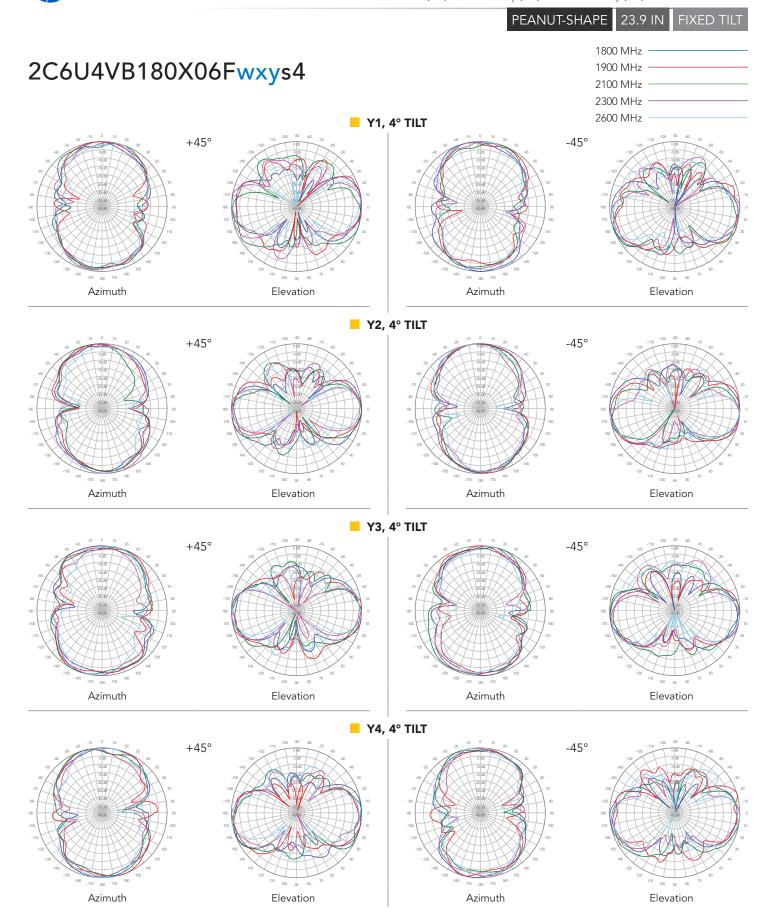




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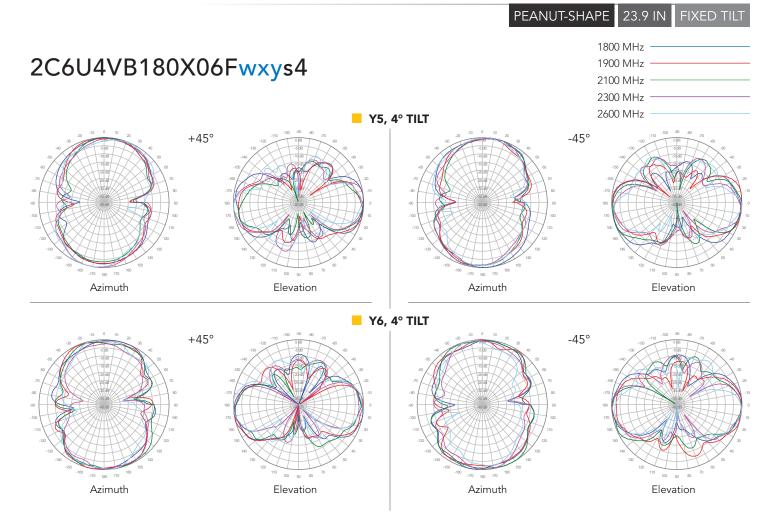


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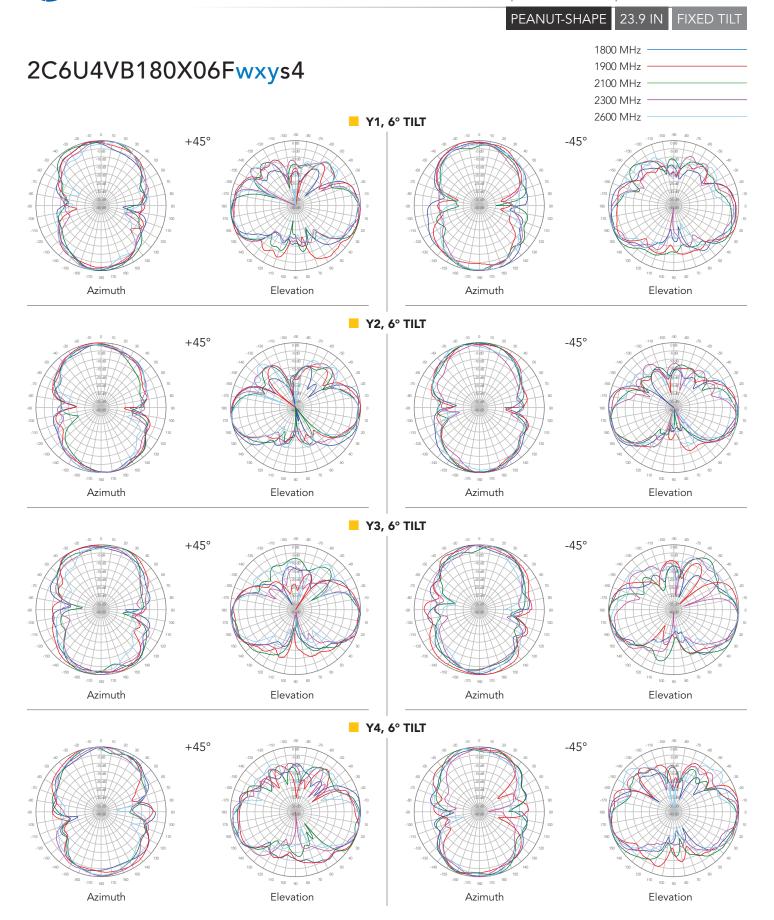




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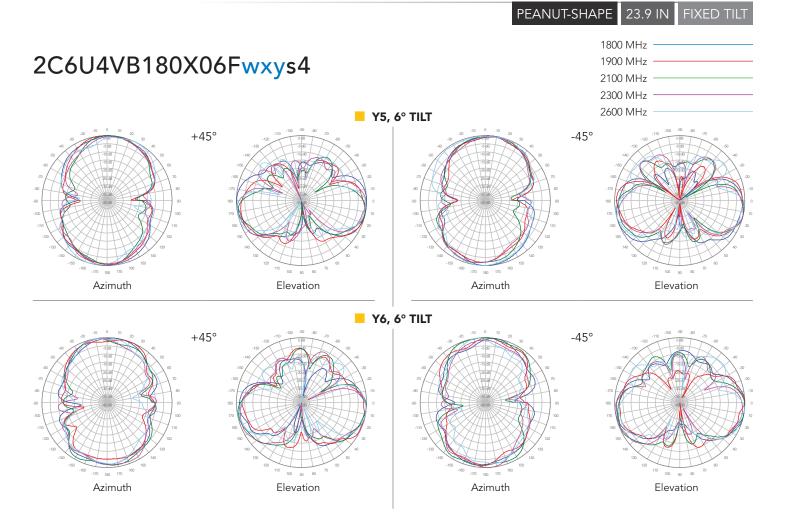


(2x) 698-960 | (6x) 1695-2700 | (4x) 3300-4200 MHz





(2x) 698-960 | (6x) 1695-2700 | (4x) 3300-4200 MHz



3600 MHz

4000 MHz

(2x) 698-960 | (6x) 1695-2700 | (4x) 3300-4200 MHz

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