

48.0 IN

FIXED TILT

4U4VT360X12Fxys5

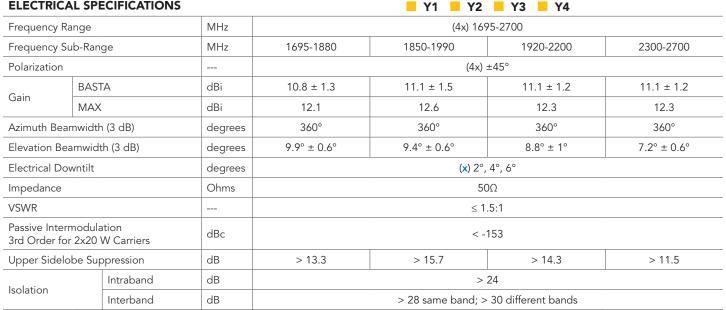
Features

- Pseudo omni configuration with 16 connectors
- Ideal for multi-carrier or MIMO deployments
- Broadband networks 1695-2700 and 3300-4200 MHz
- Easily removable lifting ring
- Improvements in gain, port isolation and VSWR
- · Available for order with a grey, brown or black radome



	Frequency Range (MHz)	(4x) 1695-2700	(4x) 3300-4200				
	Array	■ Y1, ■ Y2, ■ Y3, ■ Y4	■ P1, ■ P2, ■ P3, ■ P4				
	Connector	8 PORTS	8 PORTS				
>	Polarization	XPOL	XPOL				
OVERVIEW	Azimuth Beamwidth (avg)	360°	360°				
VER	Electrical Downtilt	2°, 4°, 6°	2°, 4°, 6°				
	Configuration	OMNI CONFIGURATION					
PRODUCT	Maximum Continuous Power Per Port @ 50° C (122° F)	125 WATTS	80 WATTS				
PRC	Maximum Total Continuous Power at 50° C (122° F)	1640 WATTS					
	Connector Type	(16x) 4.3-10 FEMALE					
	Dimensions	1219 x Ø371 mm (48.0 x Ø14.6 in)					
	Radome Color Options	GREY, BROWN or BLACK					

ELECTRICAL SPECIFICATIONS





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ELECTRIC	AL SPECIFICATIONS	;	■ P1 ■ P2 ■ P3 ■ P4				
Frequency Range MHz			(4x) 3300-4200				
Frequency S	Sub-Range	MHz	3300-3550	3700-4200			
Polarization			(4x) ±45°				
<u> </u>	BASTA	dBi	10.3 ± 1	10.3 ± 0.9	9.9 ± 0.9		
Gain	MAX	dBi	11.3	11.2	10.8		
Azimuth Beamwidth (3 dB)		degrees	360° 360°		360°		
Elevation Beamwidth (3 dB)		degrees	7.5° ± 0.6° 7.4° ± 0.5°		7° ± 0.5°		
Electrical Downtilt		degrees	(y) 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				
la alaria a	Intraband	dB	> 24				
Isolation	Interband	dB	> 28 same band; > 30 different bands				

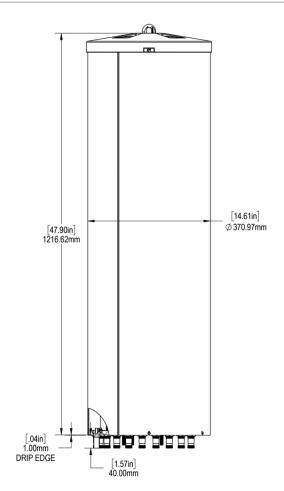


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MECHANICAL SPECIFICATIONS

enna	Height		mm (in)	1219 (48.0)			
Antenna	Diameter		mm (in)	371 (14.6)			
Net Weight - Antenna Only			kg (lbs)	21.8 (48)			
Windload Calculation			km/h (mph)	160 (100)			
vvinai	oad	Frontal	N (lbf)	391 (88)			
Survival Wind Speed			km/h (mph)	241 (150)			
Wind Area			m² (ft²)	0.47 (5.0)			
Volume		m³ (ft³)	0.13 (4.7)				
Conne	-1	Туре		(16x) 4.3-10 Female			
Conne	ector	Position		Bottom			
Radome Color				Grey (RAL 7035), Brown (RAL 8022), Black (RAL 9011)			
Lightning Protection (Grounding Type)			Direct Ground				



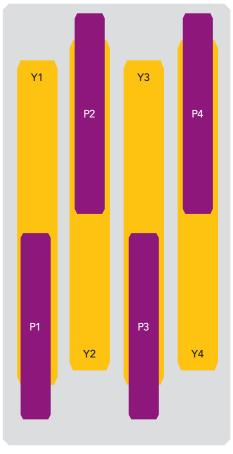


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ARRAY LAYOUT Topology

7 III II I			
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
1695-2700 MHz	■ Y1	1-2	(2x) 4.3-10 Female
1695-2700 MHz	■ Y2	3-4	(2x) 4.3-10 Female
1695-2700 MHz	■ Y3	5-6	(2x) 4.3-10 Female
1695-2700 MHz	■ Y4	7-8	(2x) 4.3-10 Female
3300-4200 MHz	■ P1	9-10	(2x) 4.3-10 Female
3300-4200 MHz	■ P2	11-12	(2x) 4.3-10 Female
3300-4200 MHz	■ P3	13-14	(2x) 4.3-10 Female
3300-4200 MHz	■ P4	15-16	(2x) 4.3-10 Female



The illustration is not shown to scale.

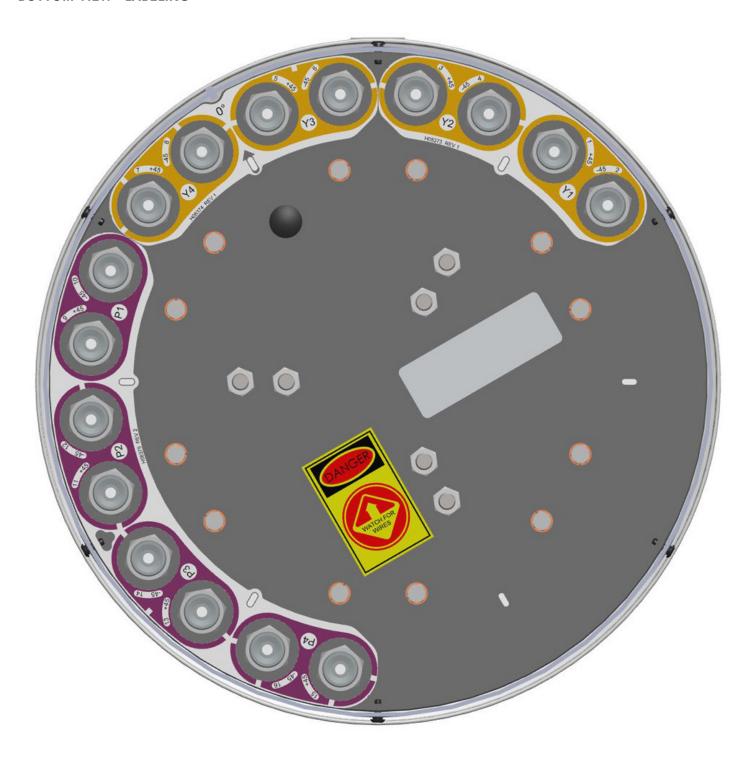




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BOTTOM VIEW - LABELING

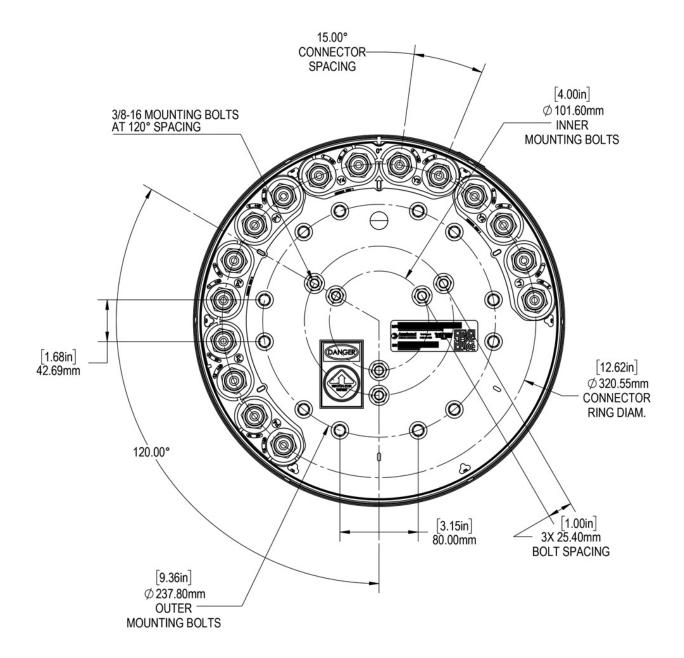




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BOTTOM VIEW - CONNECTOR DIAGRAM



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.

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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.



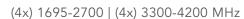
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HOW TO READ THE MODEL NUMBER Each letter and number has meaning.

	F BANDS & FREQUENCY	PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA- TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
4U	4V	Т	360	X	12	F	xy	S	5	BK BR
(4x) 1695-2700	(4x) 3300-4200	Tri-Sector	360°	XPOL	1.2 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.	4.3-10 Connector	5th 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.





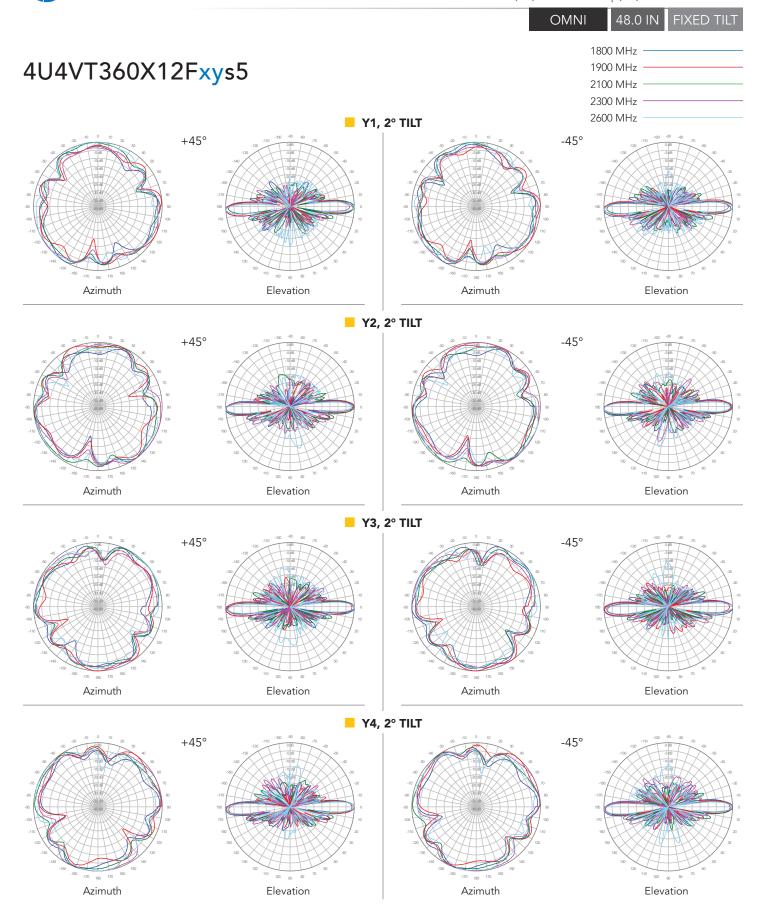
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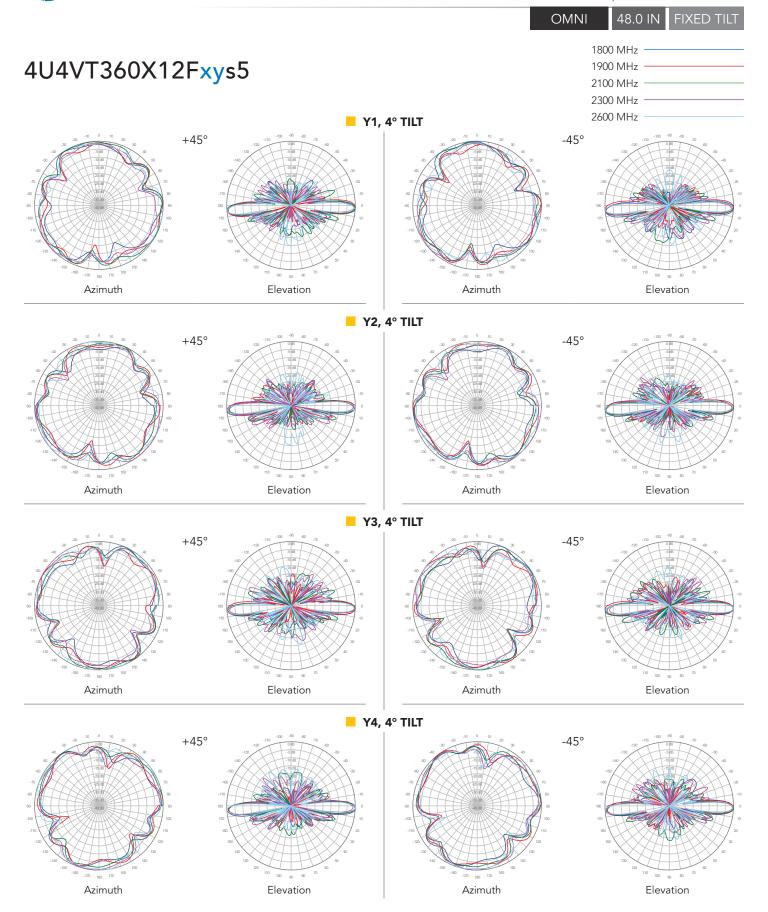
Amphenol ANTENNA SOLUTIONS

ORDERING OPTIONS Select from the following ordering options								
SELECT	SELECT DEGREE OF ELECTRICA	AL DOWNTILT FOR EACH BAND	MODEL NUMBER					
RADOME COLOR	1695-2700 MHz	3300-4200 MHz						
	2°	2°	4U4VT360X12F 22 s5					
	2°	4°	4U4VT360X12F 24 s5					
	2°	6°	4U4VT360X12F 26 s5					
	4°	2°	4U4VT360X12F 42 s5					
Grey, RAL 7035	4°	4°	4U4VT360X12F 44 s5					
	4°	6°	4U4VT360X12F 46 s5					
	6°	2°	4U4VT360X12F 62 s5					
	6°	4°	4U4VT360X12F 64 s5					
	6°	6°	4U4VT360X12F 66 s5					
	2°	2°	4U4VT360X12F22s5BR					
	2°	4°	4U4VT360X12F 24 s5BR					
	2°	6°	4U4VT360X12F 26 s5BR					
	4°	2°	4U4VT360X12F 42 s5BR					
Brown RAL 8022	4°	4°	4U4VT360X12F44s5BR					
	4°	6°	4U4VT360X12F46s5BR					
	6°	2°	4U4VT360X12F62s5BR					
	6°	4°	4U4VT360X12F 64 s5BR					
	6°	6°	4U4VT360X12F66s5BR					
	2°	2°	4U4VT360X12F22s5BK					
	2°	4°	4U4VT360X12F 24 s5 BK					
	2°	6°	4U4VT360X12F 2 6s5BK					
	4°	2°	4U4VT360X12F42s5BK					
Black RAL 9011	4°	4°	4U4VT360X12F44s5BK					
	4°	6°	4U4VT360X12F46s5BK					
	6°	2°	4U4VT360X12F62s5BK					
	6°	4°	4U4VT360X12F64s5BK					
	6°	6°	4U4VT360X12F66s5BK					

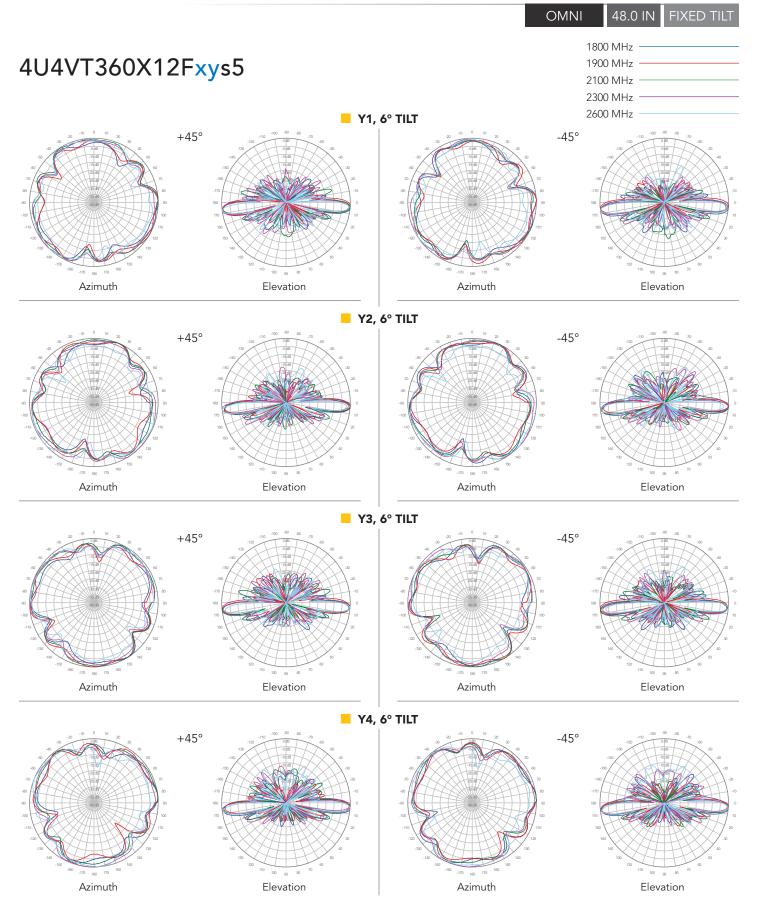












3600 MHz

4000 MHz

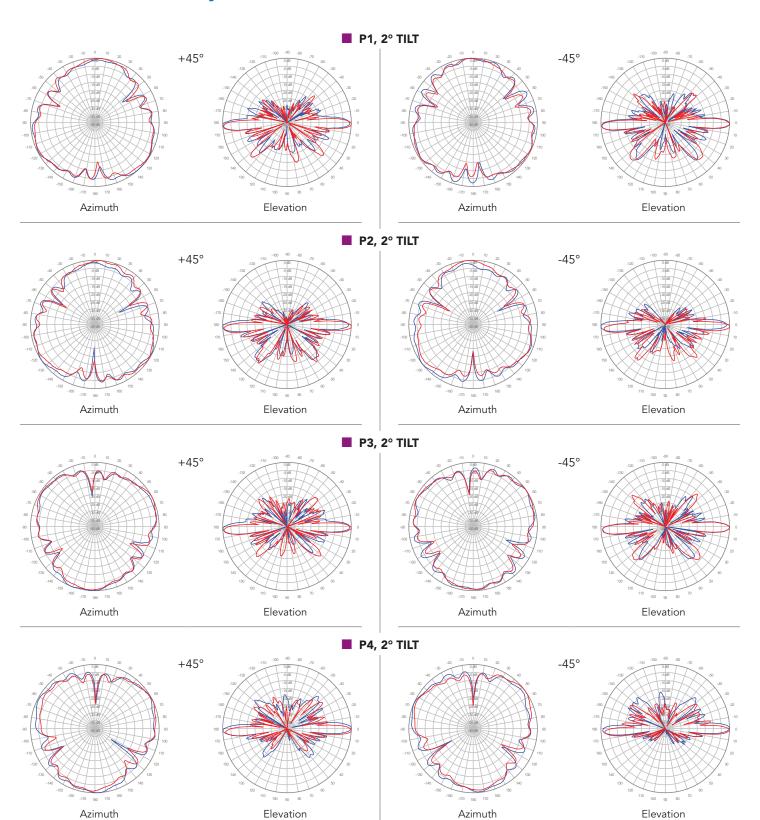


(4x) 1695-2700 | (4x) 3300-4200 MHz

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3600 MHz

4000 MHz

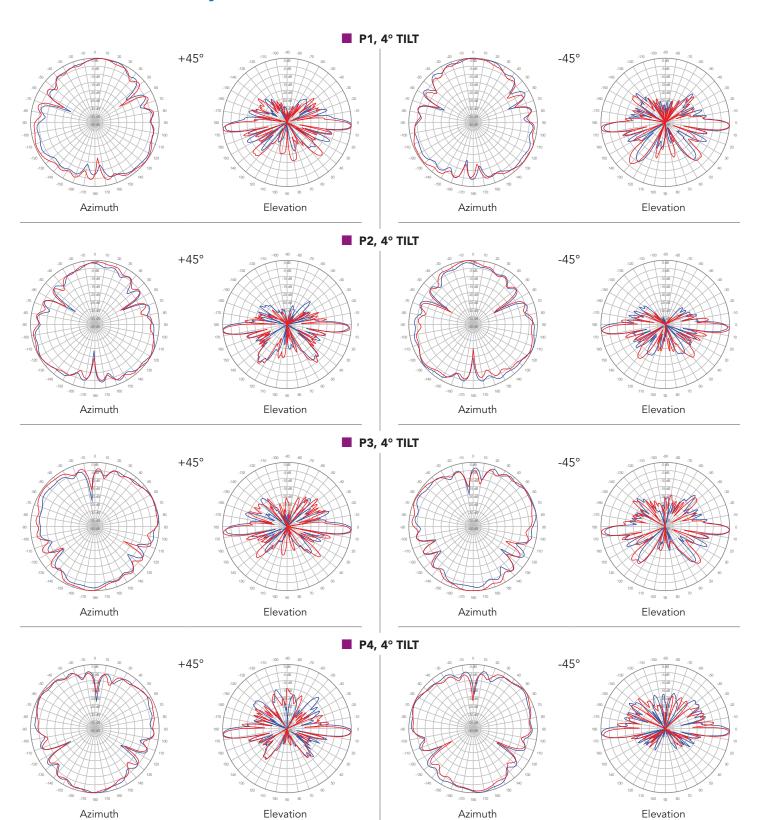


(4x) 1695-2700 | (4x) 3300-4200 MHz

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3600 MHz

4000 MHz



(4x) 1695-2700 | (4x) 3300-4200 MHz

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