(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

OMNI

24.0 IN FIXED TILT

2C4U4MT360X06Fwxys4-GPS

Features

- 4G/5G pseudo omni configuration with 20 connectors and a separate port for an integrated GPS unit
- Ideal for multi-carrier or 4x4 MIMO deployments
- New, enhanced mechanical and antenna design
 - Easily removable lifting ring
 - Extended CBRS Band
 - Improvements in gain, port isolation and VSWR
- This antenna meets the requirements of the U-NII
- Available for order with a grey, brown or black radome



	Fraguancy Banga (MHz)	GPS BAND	LOW BAND	MID BAND			CBRS BAND		LAA BAND				
	Frequency Range (MHz)	1575.42 MHz ± 10 MHz	(2x) 696-960	(4x) 1695-2700			(2x) 3300-4200		(2x) 5150-5925				
>	Array		■ R1 ■ R2	Y1 =	Y2 Y3	Y4	■ P1	■ P2	O 1	O 2			
ERVIEW	Connector	1 PORT	4 PORTS	8 PORTS			4 PC	4 PORTS		4 PORTS			
VER	Polarization	RIGHT HAND CIRCULAR	XPOL	XPOL			XPOL		XPOL				
CT O	Azimuth Beamwidth (avg)		360°	360°			360°		360°				
DOC	Electrical Downtilt		0°	2°, 4°, 6°			0°		0°				
PROD	Configuration	OMNI CONFIGURATION WITH INTEGRATED GPS UNIT											
△	Connector Type	(20x) 4.3-10 FEMALE and (1x) N-TYPE FEMALE FOR GPS											
	Dimensions	608 x Ø371 mm (24.0 x Ø14.6 in)											
	Radome Color Options	GREY, BROWN or BLACK											

AL SPECIFICATIONS	Low Band	■ R1 ■ R2				
Range	MHz	(2x) 696-960				
Sub-Range	MHz	696-806 806-960				
		(2x) :	±45°			
BASTA	dBi	4.2 ± 0.6	3.7 ± 0.7			
MAX	dBi	4.8	4.4			
amwidth (3 dB)	degrees	360°	360°			
eamwidth (3 dB)	degrees	71.5° ± 15.1°	71.9° ± 13.5°			
owntilt	degrees	(w) 0°				
	Ohms	50Ω				
		≤ 1.5:1				
rmodulation or 2x20 W Carriers	dBc	< -153				
obe Suppression	dB	N/A				
Intraband	dB	> 25				
Interband	dB	> :	28			
-	Watts	500W				
	BASTA MAX amwidth (3 dB) eamwidth (3 dB) pwntilt rmodulation or 2x20 W Carriers obe Suppression Intraband Interband	BASTA dBi MAX dBi amwidth (3 dB) degrees eamwidth (3 dB) degrees owntilt degrees Ohms rmodulation or 2x20 W Carriers obe Suppression dB Intraband dB Interband dB	MHz			



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

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ELECTRICA	AL SPECIFICATIONS	Mid Band		■ Y1 ■ Y2	Y3 Y4				
Frequency R	ange	MHz	(4x) 1695-2700						
Frequency S	ub-Range	MHz	1695-1880	2300-2700					
Polarization				(4x)	±45°				
	BASTA	dBi	7.5 ± 0.7	7.4 ± 0.8	7.2 ± 0.9	7.4 ± 0.9			
Gain	MAX	dBi	8.2	8.2	8.1	8.3			
Azimuth Bea	mwidth (3 dB)	degrees	360°	360°	360°	360°			
Elevation Be	amwidth (3 dB)	degrees	34.2° ± 7.8°	30.6° ± 7.0°	30.4° ± 16.2°	25.7° ± 6.3°			
Electrical Do	wntilt	degrees	(x) 2°, 4°, 6°						
Impedance		Ohms	50Ω						
VSWR			≤ 1.5:1						
Passive Inter 3rd Order fo	modulation r 2x20 W Carriers	dBc	< -153						
Upper Sidelobe Suppression dB		dB	N/A						
La da Cara	Intraband	dB	> 25						
Isolation	Interband	dB	> 28						
Input Power		Watts	300W						

ELECTRIC	AL SPECIFICATIONS	CBRS Band	■ P1 ■ P2		
Frequency	Range	MHz	(2x) 3300-4200		
Polarization			(2x) ±45°		
C	BASTA	dBi	6.7 ± 0.9		
Gain	MAX	dBi	7.6		
Azimuth Be	amwidth (3 dB)	degrees	360°		
Elevation B	eamwidth (3 dB)	degrees	27.2° ± 4.2°		
Electrical D	owntilt	degrees	(y) 0°		
Impedance		Ohms	50Ω		
VSWR			≤ 1.5:1		
	rmodulation or 2x20 W Carriers	dBc	N/A		
Upper Side	lobe Suppression	dB	N/A		
Tarabata a	Intraband	dB	> 25		
Isolation	Interband	dB	> 28		
Input Power		Watts	100W		



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

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24.0 IN FIXED TILT

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ELECTRICAL SPECIFICATIONS LAA Band			■ O1 ■ O2			
Frequency	Range	MHz	(2x) 5150-5925			
Polarization	۱		(2x) ±45°			
	BASTA	dBi	5.0 ± 0.7			
Gain	MAX	dBi	5.7			
Azimuth Be	eamwidth (3 dB)	degrees	360°			
Elevation B	eamwidth (3 dB)	degrees	20.5° ± 3.2°			
Electrical D	owntilt	degrees	(y) 0°			
Impedance		Ohms	50Ω			
VSWR			≤ 1.5:1			
	ermodulation or 2x20 W Carriers	dBc	N/A			
Upper Side	lobe Suppression	dB	> 13			
1 1	Intraband	dB	> 25			
Isolation	Interband	dB	> 28			
Input Powe	er .	Watts	50W			
U-NII Compliant			Yes			

GPS UNIT Integrated

Frequency Range	1575.42 MHz ± 10 MHz
Polarization	Right Hand Circular
Nominal Gain	3 dBic at 90°; -2 dBic at 20°
Current Draw	22 mA @ 5V
Out-of-Band Rejection	> 55 dB at 1559 MHz; > 60 dB at 1625 MHz
Amplifier Gain	28 dB ± 3 dB
Nominal Impedance	50 ohm
Noise Figure	3.9 dB
DC Voltage	2.7-5.5 VDC
VSWR	< 2.0:1
Connector	N-Type Female



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

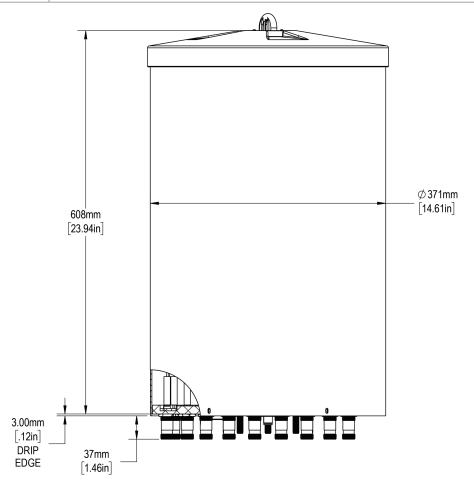
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24.0 IN FIXED TILT

2C4U4MT360X06Fwxys4-GPS

MECHANICAL SPECIFICATIONS

anna	Height		mm (in)	608 (24.0)			
Height Diameter			mm (in)	371 (14.6)			
Net W	Net Weight - Antenna Only			13 (29.0)			
Windload Calculation			km/h (mph)	160 (100)			
vvinai	oad	Frontal	N (lbf)	191 (43)			
Surviv	Survival Wind Speed			241 (150)			
Wind	Wind Area			0.22 (2.4)			
Volum	ie		m³ (ft³)	0.07 (2.3)			
C		Туре		(20x) 4.3-10 Female and (1x) N-Type Female			
Conne	ector	Position		Bottom			
Radome Color				Grey (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)			
Lightn	ing Protection (Groun	ding Type)		Direct Ground			



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

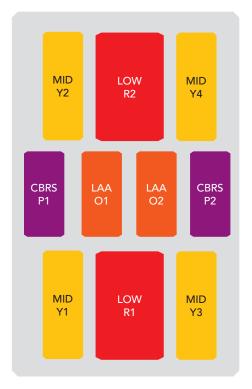
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24.0 IN FIXED TILT

2C4U4MT360X06Fwxys4-GPS

ARRAY LAYOUT Topology

ARRAI LATOOT Topology									
FREQUENCY		ARRAY	CONNECTOR	CONNECTOR TYPE					
	696-960	■ R1	1-2	(2x) 4.3-10 Female					
LOW BAND	696-960	■ R2	3-4	(2x) 4.3-10 Female					
	1695-2700	■ Y1	5-6	(2x) 4.3-10 Female					
MID BAND	1695-2700	■ Y2	7-8	(2x) 4.3-10 Female					
MID BAND	1695-2700	■ Y3	9-10	(2x) 4.3-10 Female					
	1695-2700	■ Y4	11-12	(2x) 4.3-10 Female					
CBRS BAND	3300-4200	■ P1	13-14	(2x) 4.3-10 Female					
CBRS BAIND	3300-4200	■ P2	15-16	(2x) 4.3-10 Female					
LAA BAND	5150-5925	O 1	17-18	(2x) 4.3-10 Female					
LAA BAND	5150-5925	O 2	19-20	(2x) 4.3-10 Female					
GPS BAND	1575.42 MHz ± 10 MHz		21	(1x) N-Type Female					



The illustration is not shown to scale.



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

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2C4U4MT360X06Fwxys4-GPS

BOTTOM VIEW - LABELING



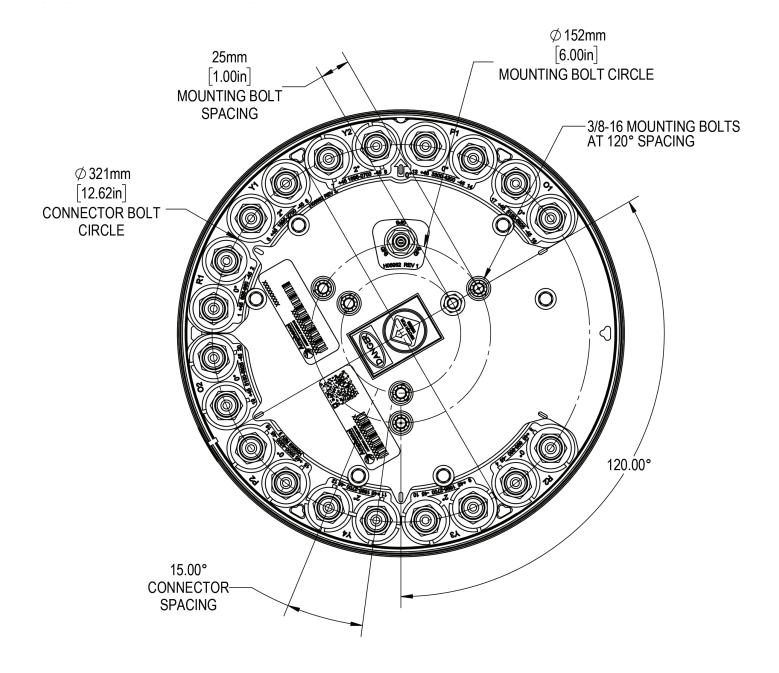


(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

OMNI

24.0 IN FIXED TILT

2C4U4MT360X06Fwxys4-GPS



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) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

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2C4U4MT360X06Fwxys4-GPS

MOUNTING KITS Select from the follow

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.



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

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24.0 IN FIXED TILT

2C4U4MT360X06Fwxys4-GPS

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

	ИВЕR О RATING			PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA- TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS	GPS
2C	4U	4	M	Т	360	×	06	F	wxy	S	4	BK BR	-GPS
(2x) 696- 960	(4x) 1695- 2700	(2x) 3300- 4200	(2x) 5150- 5925	Tri-Sector	360°	XPOL	0.6 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.		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.	an integrated GPS unit

ORDERING OPTIONS Select from the following ordering options

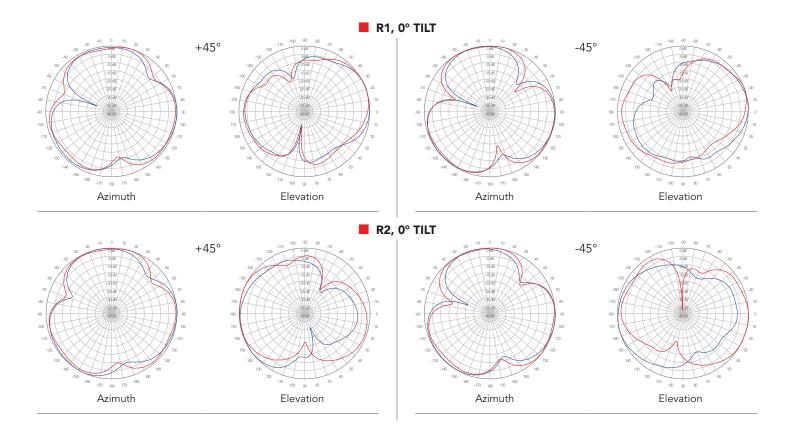
SELECT	SELEC	ORDER			
RADOME COLOR	LOW BAND	MID BAND	CBRS BAND	LAA BAND	MODEL NUMBER
	0°	2°	0°	0°	2C4U4MT360X06F020s4-GPS
	0°	4°	0°	0°	2C4U4MT360X06F 040 s4-GPS
Grey	0°	6°	0°	0°	2C4U4MT360X06F060s4-GPS
Pantone 420 C	0°	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	0°	2C4U4MT360X06FAAAs4-GPS
	0°	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	0°	2C4U4MT360X06FBBBs4-GPS
	0°	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	0°	2C4U4MT360X06FCCCs4-GPS
	0°	2°	0°	0°	2C4U4MT360X06F020s4BR-GPS
	0°	4°	0°	0°	2C4U4MT360X06F 040 s4 BR -GPS
Brown	0°	6°	0°	0°	2C4U4MT360X06F060s4BR-GPS
Pantone 476 C	0°	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	0°	2C4U4MT360X06FAAAs4BR-GPS
	0°	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	0°	2C4U4MT360X06FBBBs4BR-GPS
	0°	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	0°	2C4U4MT360X06FCCCs4BR-GPS
	0°	2°	0°	0°	2C4U4MT360X06F020s4BK-GPS
	0°	4°	0°	0°	2C4U4MT360X06F 040 s4 BK -GPS
Black	0°	6°	0°	0°	2C4U4MT360X06F060s4BK-GPS
RAL 9011	0°	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	0°	2C4U4MT360X06FAAAs4BK-GPS
	0°	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	0°	2C4U4MT360X06FBBBs4BK-GPS
	0°	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	0°	2C4U4MT360X06FCCCs4BK-GPS

(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

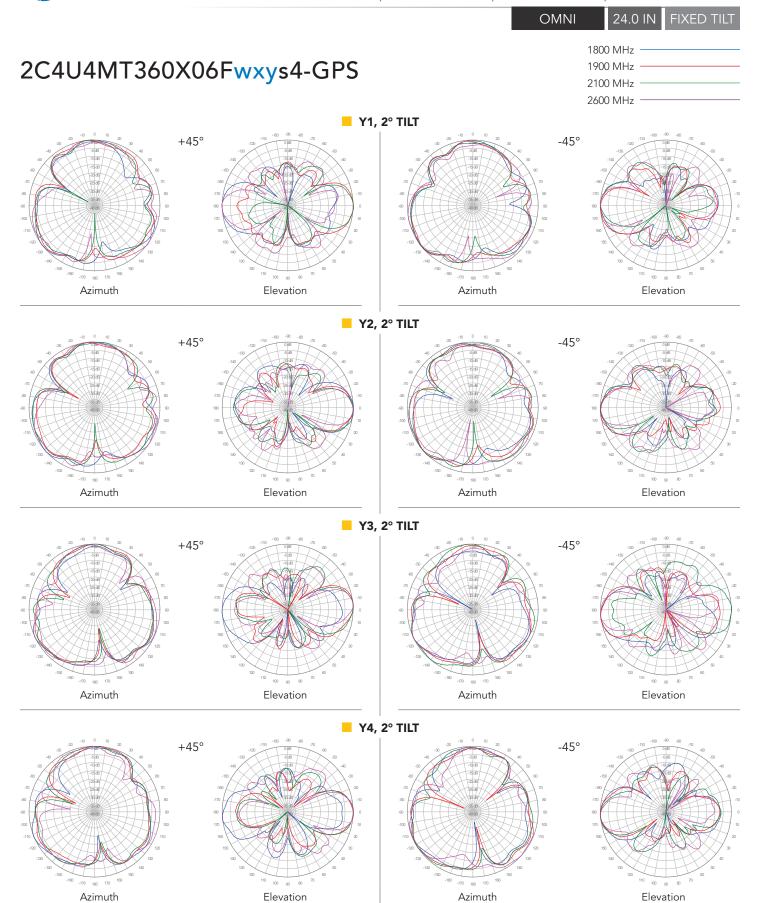
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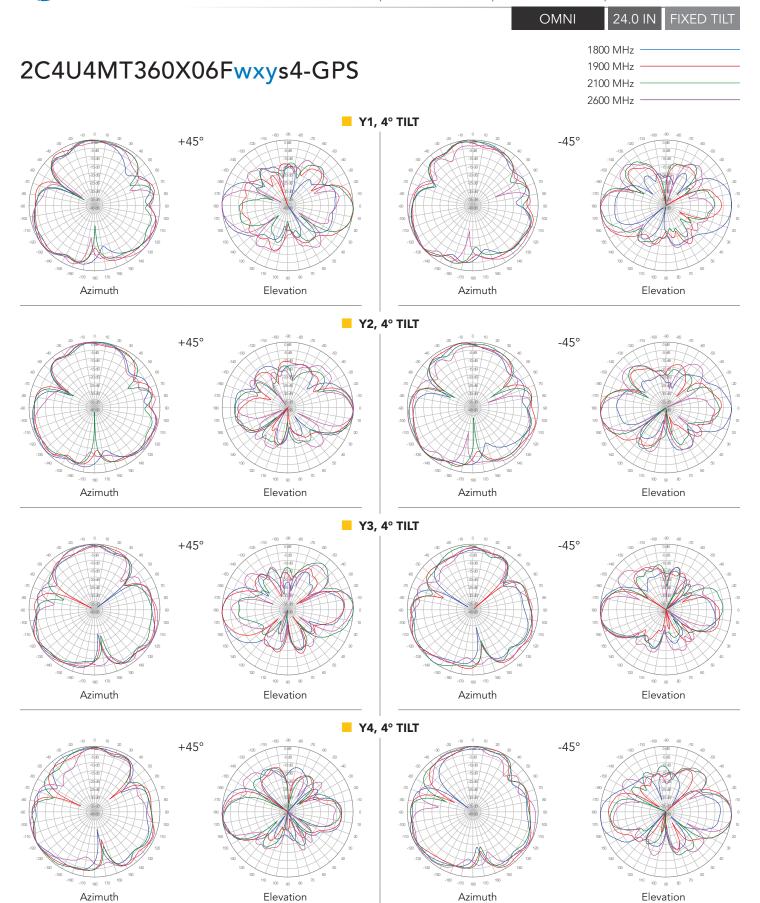
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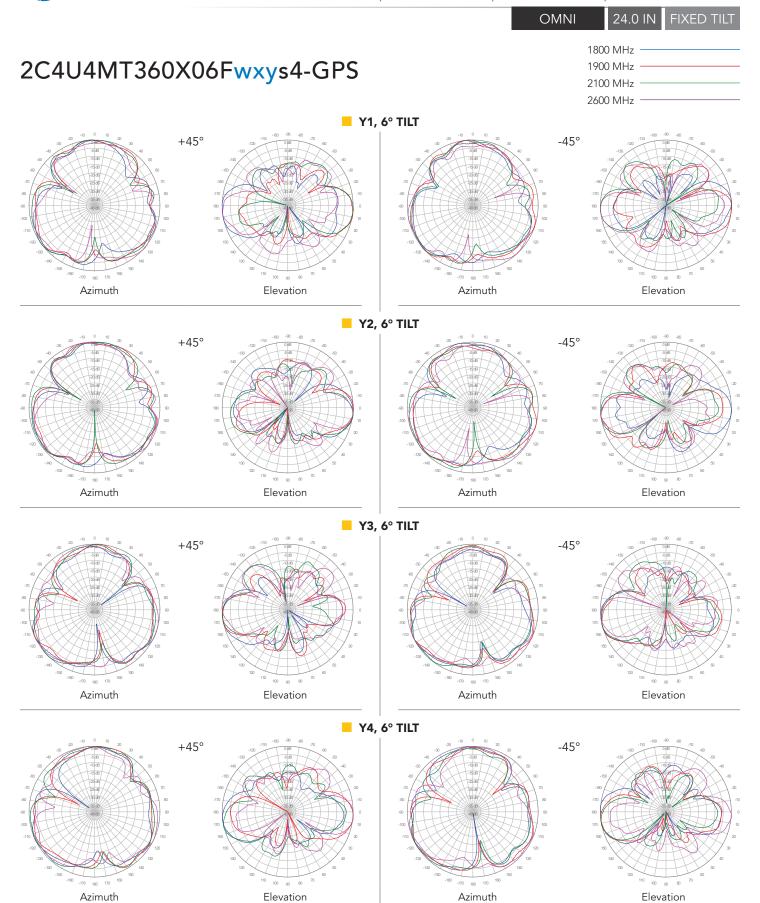
(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz



(2x) 696-960 | (4x) 1695-2700 | (2x) 3300-4200 | (2x) 5150-5925 MHz

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