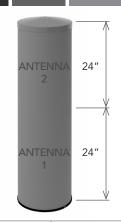


PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

Features

- 180° peanut-shape configuration with 12 connectors
- Dual antennas integrated under a single radome
- Ideal for multi-carrier or 4x4 MIMO deployments
- 5 GHz U-NII FCC compliant
- Available for order with a grey, brown or black radome



	[LOW BAND	MID BAND		CBRS BAND		LAA BAND			
	Frequency Range (MHz)	(1x) 696-960	(2x) 1695-2700		(2x) 3550-3700		(1x) 5150-5925			
	Array	■ R1	■ Y1	■ Y2	■ P1	■ P2	O 1			
ă M	Connector	2 PORTS	4 PC	ORTS	4 PORTS		2 PORTS			
OVERVIEW	Polarization	XPOL	XPOL		XPOL		XPOL			
OVE	Azimuth Beamwidth (avg)	80°	70°		53°		68°			
Ċ	Electrical Downtilt	0°, 5°	2°, 6°		0°		0°			
PRODUCT	Configuration	PEANUT-SHAPE CONFIGURATION								
PR	Total Connector Count	12 PORTS								
	Connector Type	4.3-10 FEMALE								
	Dimensions	1219 x Ø371 mm (48.0 x Ø14.6 in)								
	Radome Color Options	GREY, BROWN or BLACK								

ELECTRICAL SPECIFICATIONS Low Band



Electrical s	pecifications are sho	wn for Sector #	1. Back-to-back antennas are combined	to form azimuth peanut pattern shape.			
Frequency R	ange	MHz	(1x) 696-960				
Frequency Sub-Range		MHz	696-806	806-960			
Polarization			(1x)	±45°			
<i>C</i> :	BASTA	dBi	10.2 ± 0.8	10.3 ± 0.9			
Gain	MAX	dBi	11.0	11.2			
Azimuth Bea	amwidth (3 dB)	degrees	78.4° ± 2.2°	81.5° ± 10.1°			
Elevation Be	Elevation Beamwidth (3 dB)		22.6° ± 5.4°	20.2° ± 1.8°			
Electrical Do	Electrical Downtilt		(w) 0°, 5°				
Impedance		Ohms	50Ω				
VSWR			≤ 1.5:1				
Passive Inter 3rd Order fo	modulation r 2x20 W Carriers	dBc	< -153				
Upper Sidel	obe Suppression	dB	> 12				
Tarafari'a a	Intraband	dB	>	25			
Isolation	Interband	dB	> 28				
Input Power		Watts	500W				



PEANUT-SHAPE 48.0 IN FIXED TILT

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ELECTRICAL SPECIFICATIONS Mid Band

Y1 '	Y2
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Electrical specifications are shown for Sector #1. Back-to-back antennas are combined to form azimuth peanut pattern shape.									
Frequency Ra	inge	MHz		(2x) 1695-2700					
Frequency Su	ıb-Range	MHz	1695-1880	1920-2200	2300-2700				
Polarization				(2x)	±45°				
Cain	BASTA	dBi	10.5 ± 0.8	10.7 ± 0.7	10.6 ± 0.6	10.8 ± 1.3			
Gain	MAX	dBi	11.3	11.4	11.2	12.1			
Azimuth Bear	nwidth (3 dB)	degrees	74.7° ± 6.7°	73.6° ± 11.5°	73.4° ± 8.7°	61.6° ± 15.3°			
Elevation Beamwidth (3 dB)		degrees	20.3° ± 4.3°	19.1° ± 1.0°	18.1° ± 1.6°	15.1° ± 2.0°			
Electrical Dov	vntilt	degrees	(x) 2°, 6°						
Impedance		Ohms	50Ω						
VSWR			≤ 1.5:1						
Passive Interr 3rd Order for	nodulation 2x20 W Carriers	dBc	< -153						
Upper Sidelo	be Suppression	dB	> 14						
Isolation	Intraband	dB		> 25					
ISOIALION	Interband	dB	> 28						
Input Power Watt			300W						

ELECTRICAL SPECIFICATIONS CBRS Band

■ P1 ■ P2

Electrical s	Electrical specifications are shown for Sector #1. Back-to-back antennas are combined to form azimuth peanut pattern shape.					
Frequency Range		MHz	(2x) 3550-3700			
Polarization			(2x) ±45°			
Cair	BASTA	dBi	6.4 ± 0.4			
Gain	MAX	dBi	6.8			
Azimuth Bea	mwidth (3 dB)	degrees	53.2° ± 5.8°			
Elevation Beamwidth (3 dB)		degrees	34.6° ± 3.7°			
Electrical Downtilt		degrees	(y) 0°			
Impedance		Ohms	50Ω			
VSWR			≤ 1.5:1			
Passive Interi 3rd Order for	modulation 2x20 W Carriers	dBc	N/A			
Upper Sidelo	be Suppression	dB	N/A			
Isolation	Intraband	dB	> 25			
isolation	Interband	dB	> 28			
Input Power		Watts	100W			



PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

ELECTRICAL SPECIFICATIONS LAA Band

01

Electrical	specifications are sho	wn for Sector	#1. Back-to-back antennas are combined to form azimuth peanut pattern shape.			
Frequency Range		MHz	(1x) 5150-5925			
Polarization			(1x) ±45°			
C -: -	BASTA	dBi	5.1 ± 0.7			
Gain	MAX	dBi	5.8			
Azimuth Be	amwidth (3 dB)	degrees	67.6° ± 17.1°			
Elevation Beamwidth (3 dB)		degrees	22.2° ± 2.9°			
Electrical Downtilt		degrees	(y) 0°			
Impedance		Ohms	50Ω			
VSWR			≤ 1.5:1			
	rmodulation or 2x20 W Carriers	dBc	N/A			
Upper Sidel	obe Suppression	dB	> 16			
ta daga .	Intraband	dB	> 25			
Isolation	Interband	dB	> 28			
Input Power	-	Watts	50W			
U-NII Comp	liant		Yes			

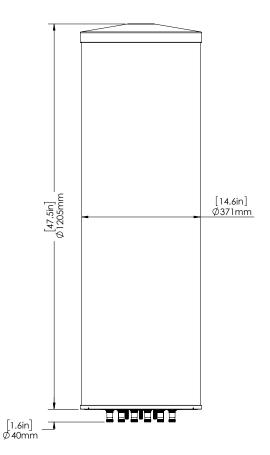


PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

MECHANICAL SPECIFICATIONS

Antenna	Height		mm (in)	1219 (48.0)			
Ante	Diameter		mm (in)	371 (14.6)			
Net W	Net Weight - Antenna Only			16.4 (36.2)			
		Calculation	km/h (mph)	160 (100)			
Windl	load	Frontal	N (lbf)	391 (88)			
Surviv	Survival Wind Speed			241 (150)			
Wind	Wind Area			0.13 (4.7)			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Total	m³ (ft³)	0.13 (4.7)			
Volum	ne	Each Antenna	m³ (ft³)	0.065 (2.33)			
		Туре		4.3-10 Female			
Conne	ector	Quantity		12			
		Position		Bottom			
Radome Color			Grey (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)				



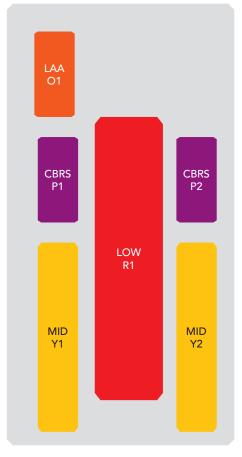


PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

ARRAY LAYOUT Topology

Title Late of Topology								
FREQUENCY		ARRAY	CONNECTOR	CONNECTOR TYPE				
LOW BAND	696-960	■ R1	1-2	(2x) 4.3-10 Female				
MID DAND	1695-2700	■ Y1	3-4	(2x) 4.3-10 Female				
MID BAND	1695-2700	■ Y2	5-6	(2x) 4.3-10 Female				
CDDC DAND	3550-3700	■ P1	7-8	(2x) 4.3-10 Female				
CBRS BAND	3550-3700	■ P2	9-10	(2x) 4.3-10 Female				
LAA BAND	5150-5925	O 1	11-12	(2x) 4.3-10 Female				

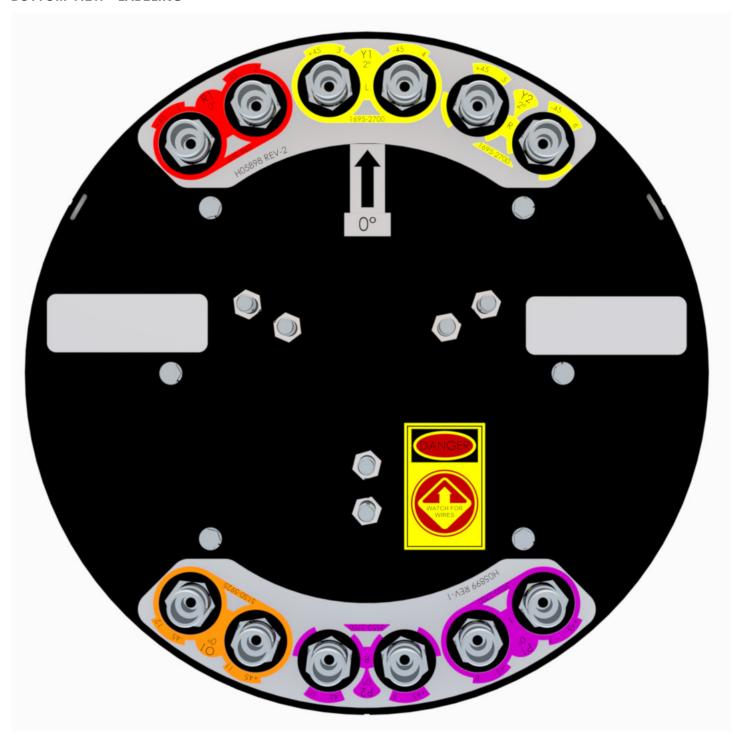


The illustration is not shown to scale.

PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

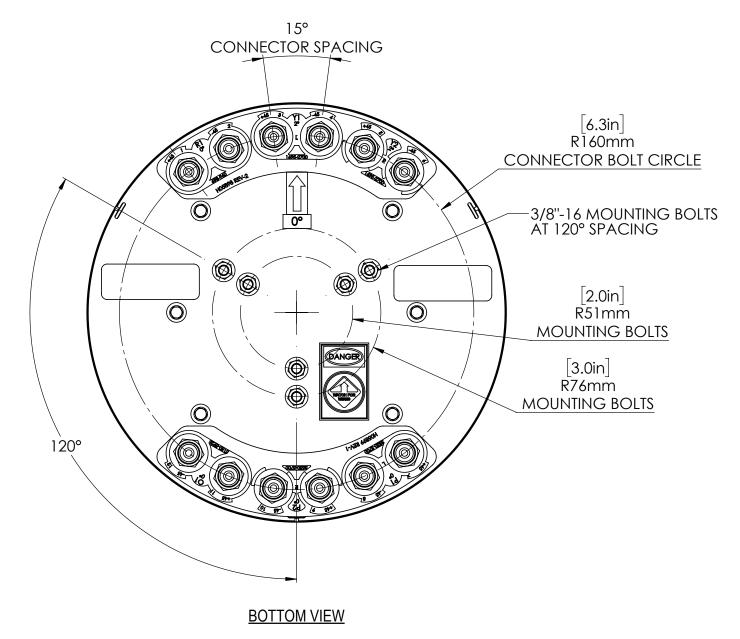
BOTTOM VIEW - LABELING



PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

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.



PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

MOUNTING KITS Select from the following mounting options when ordering. Mounting kits for canister antennas are ordered as a separate line item.

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.				



PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

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

	NUMBER OF BANDS and OPERATING FREQUENCY		PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA- TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS	
С	2U	3	M	В	180	×	12	F	wxy	S	0	BK BR
(1x) 696- 960	(2x) 1695- 2700	(2x) 3550- 3700	(1x) 5150- 5925	Back-to- Back	~180° Peanut- Shape	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	Original Design	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

SELECT	SELECT	T DEGREE OF ELECTRICAL D	AL DOWNTILT FOR EACH BAND ORDER				
RADOME COLOR	LOW BAND	MID BAND	CBRS BAND	LAA BAND	MODEL NUMBER		
	0°	2°	0°	0°	C2U3MB180X12F020s0		
Grey	0°	6°	0°	0°	C2U3MB180X12F060s0		
Pantone 420 C	5°	2°	0°	0°	C2U3MB180X12F 520 s0		
	5°	6°	0°	0°	C2U3MB180X12F560s0		
	0°	2°	0°	0°	C2U3MB180X12F020s0BR		
Brown	0°	6°	0°	0°	C2U3MB180X12F060s0BR		
Pantone 476 C	5°	2°	0°	0°	C2U3MB180X12F 520 s0BR		
	5°	6°	0°	0°	C2U3MB180X12F560s0BR		
	0°	2°	0°	0°	C2U3MB180X12F020s0BK		
Black	0°	6°	0°	0°	C2U3MB180X12F060s0BK		
RAL 9011	5°	2°	0°	0°	C2U3MB180X12F 520 s0 BK		
	5°	6°	0°	0°	C2U3MB180X12F560s0BK		

12-Port Canister Antenna

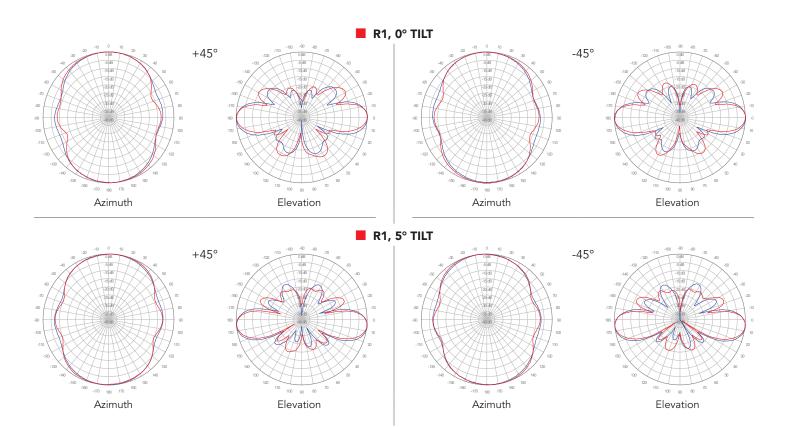
(1x) 696-960 | (2x) 1695-2700 | (2x) 3550-3700 | (1x) 5150-5925 MHz

PEANUT-SHAPE 48.0 IN FIXED TILT

750 MHz

850 MHz -

C2U3MB180X12Fwxys0



12-Port Canister Antenna

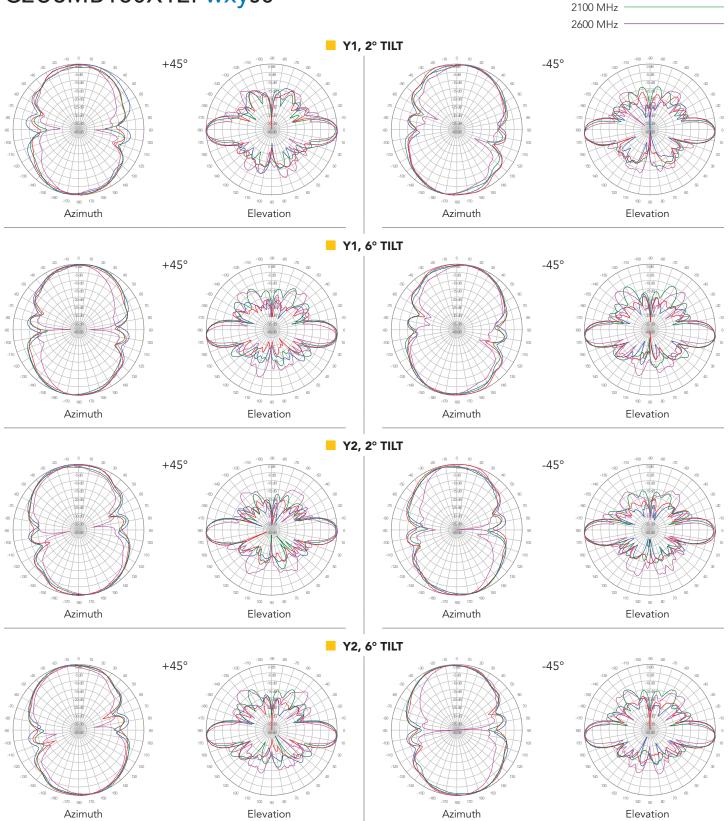
(1x) 696-960 | (2x) 1695-2700 | (2x) 3550-3700 | (1x) 5150-5925 MHz

PEANUT-SHAPE 48.0 IN FIXED TILT

1800 MHz

1900 MHz

C2U3MB180X12Fwxys0





PEANUT-SHAPE 48.0 IN FIXED TILT

C2U3MB180X12Fwxys0

