14-Port Canister Antenna

(4x) 1695-2700 | (2x) 3300-4200 | (1x) 5150-5925 MHz

OMNI | 23.9 IN | FIXED TILT

4U3MT360X06Fxys4

Features

- Pseudo omni configuration with 14 connectors
- Ideal for multi-carrier or 4x4 MIMO deployments
- Broadband networks 1695-2700 and 3300-4200 MHz
- Easily removable lifting ring
- Improvements in gain, port isolation and VSWR
- 5 GHz U-NII FCC compliant
- Available for order with a grey, brown or black radome

PRODUCT OVERVIEW				
	Frequency Range (MHz)	(4x) 1695-2700	(2x) 3300-4200	(1x) 5150-5925
	Array	Y1, Y2, Y3, Y4	P1, P2	O1
	Connector	8 PORTS	4 PORTS	2 PORTS
	Polarization	XPOL	XPOL	XPOL
	Azimuth Beamwidth (avg)	360°	360°	360°
	Electrical Downtilt	2°, 4°, 6°	0°	0°
	Configuration	OMNI CONFIGURATION		
	Maximum Continuous Power Per Port @ 50° C (122° F)	300 WATTS	100 WATTS	50 WATTS
	Maximum Total Continuous Power at 50° C (122° F)	2900 WATTS		
	Connector Type	(14x) 4.3-10 FEMALE CONNECTORS		
	Dimensions	606 x Ø371 mm (23.9 x Ø14.6 in)		
	Radome Color Options	GREY, BROWN or BLACK		

ELECTRICAL SPECIFICATIONS — **Y1 Y2 Y3 Y4**

Frequency Range		MHz	(4x) 1695-2700			
Frequency Sub-Range		MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization		---	(4x) ±45°			
Gain	BASTA	dBi	9.7 ± 0.7	9.6 ± 0.4	9.4 ± 0.5	9.8 ± 0.6
	MAX	dBi	10.4	10.0	9.9	10.4
Azimuth Beamwidth (3 dB)		degrees	360°	360°	360°	360°
Elevation Beamwidth (3 dB)		degrees	21.2° ± 2.0°	19.6° ± 1.5°	18.5° ± 1.6°	15.1° ± 1.9°
Electrical Downtilt		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			
Isolation	Intraband	dB	> 25			
	Interband	dB	> 28			

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

ELECTRICAL SPECIFICATIONS			■ P1	■ P2
Frequency Range		MHz	(2x) 3300-4200	
Frequency Sub-Range		MHz	3300-3700	3700-4200
Polarization		---	(2x) ±45°	
Gain	BASTA	dBi	6.2 ± 1.9	6.9 ± 0.9
	MAX	dBi	8.1	7.8
Azimuth Beamwidth (3 dB)		degrees	360°	360°
Elevation Beamwidth (3 dB)		degrees	30.8° ± 7.3°	26.9° ± 8.5°
Electrical Downtilt		degrees	(y) 0°	
Impedance		Ohms	50Ω	
VSWR		---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153 dBc	
Upper Sidelobe Suppression		dB	N/A	
Isolation	Intraband	dB	> 25	
	Interband	dB	> 28	

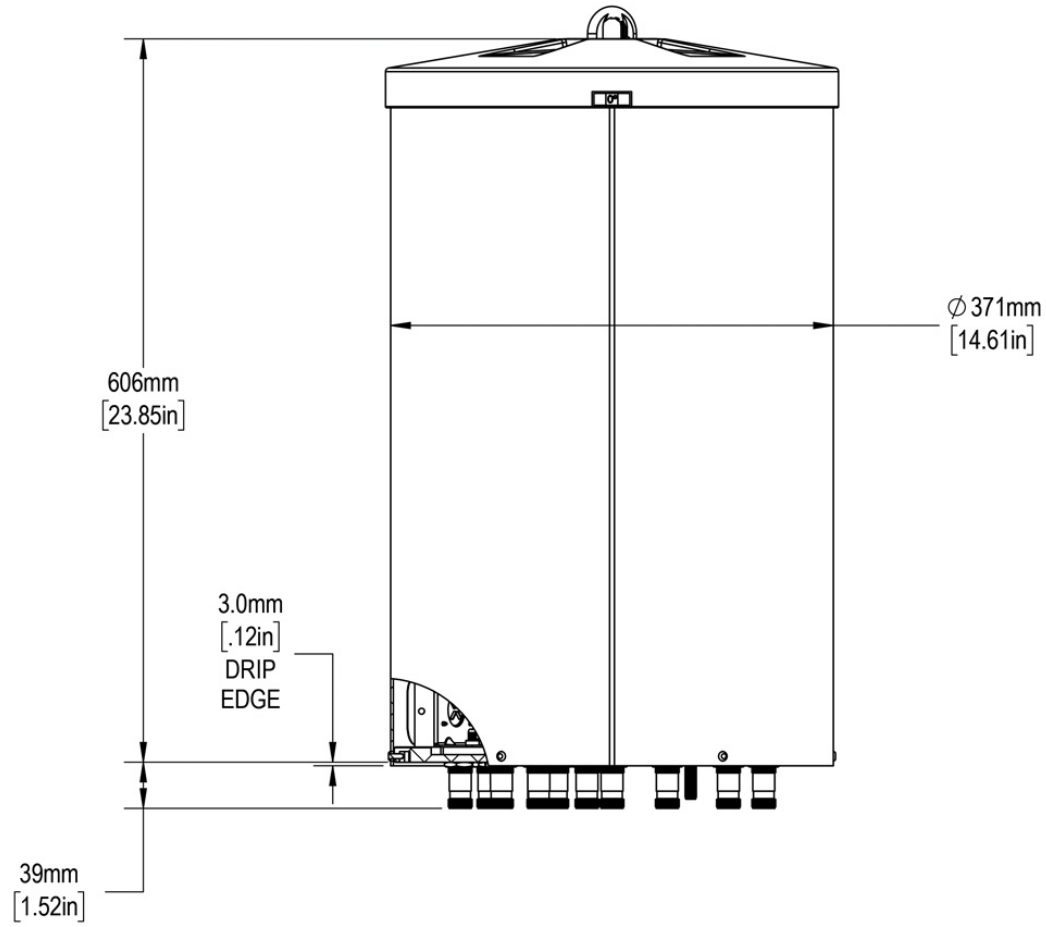
ELECTRICAL SPECIFICATIONS			■ O1
Frequency Range		MHz	(1x) 5150-5925
Polarization		---	(1x) ±45°
Gain	BASTA	dBi	4.6 ± 0.6
	MAX	dBi	6.0
Azimuth Beamwidth (3 dB)		degrees	360°
Elevation Beamwidth (3 dB)		degrees	20.0° ± 1.9°
Electrical Downtilt		degrees	(y) 0°
Impedance		Ohms	50Ω
VSWR		---	≤ 1.5:1
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	N/A
Upper Sidelobe Suppression		dB	Meets all U-NII compliance specifications
Isolation	Intraband	dB	> 25
	Interband	dB	> 28
U-NII Compliant		---	Yes

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

MECHANICAL SPECIFICATIONS

Antenna	Height		mm (in)	606 (23.9)
	Diameter		mm (in)	371 (14.6)
Net Weight - Antenna Only			kg (lbs)	13.2 (29)
Windload		Calculation	km/h (mph)	160 (100)
		Frontal	N (lbf)	191 (43)
Survival Wind Speed			km/h (mph)	241 (150)
Wind Area			m^2 (ft^2)	0.22 (2.4)
Volume			m^3 (ft^3)	0.07 (2.3)
Connector		Type	---	(14x) 4.3-10 Female Connectors
		Position	---	Bottom
Radome Color			---	Grey (RAL 7035) Brown (RAL 8022) Black (RAL 9011)
Lightning Protection (Grounding Type)			---	Direct Ground

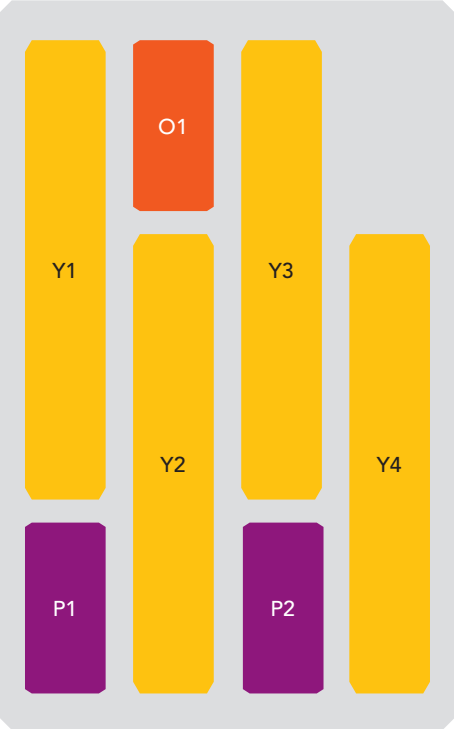


Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

ARRAY LAYOUT Topology

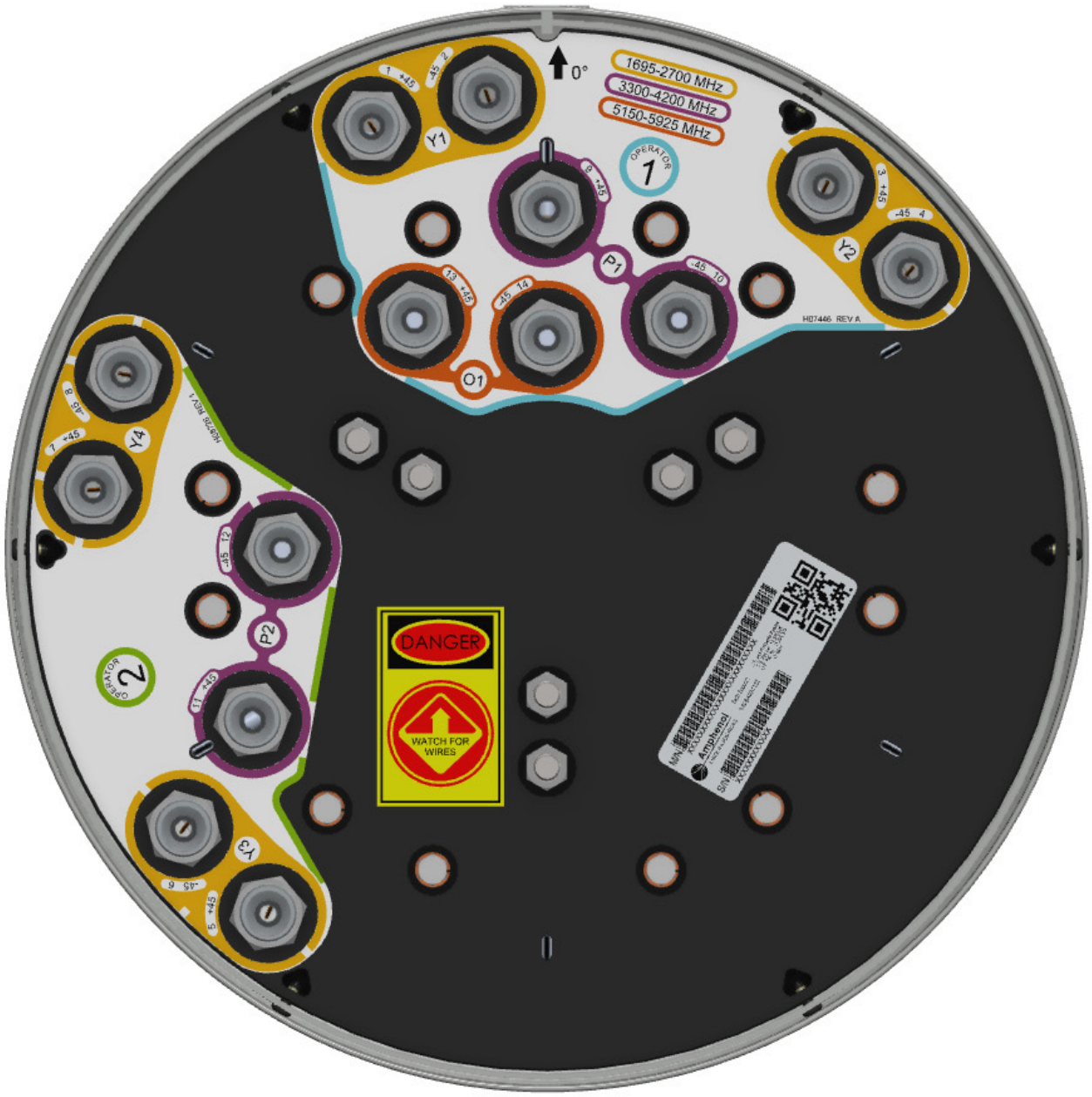
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
1695-2700 MHz	Y1	1-2	(2x) 4.3-10 Female
1695-2700 MHz	Y2	3-4	(2x) 4.3-10 Female
1695-2700 MHz	Y3	5-6	(2x) 4.3-10 Female
1695-2700 MHz	Y4	7-8	(2x) 4.3-10 Female
3300-4200 MHz	P1	9-10	(2x) 4.3-10 Female
3300-4200 MHz	P2	11-12	(2x) 4.3-10 Female
5150-5925 MHz	O1	13-14	(2x) 4.3-10 Female



The illustration is not shown to scale.

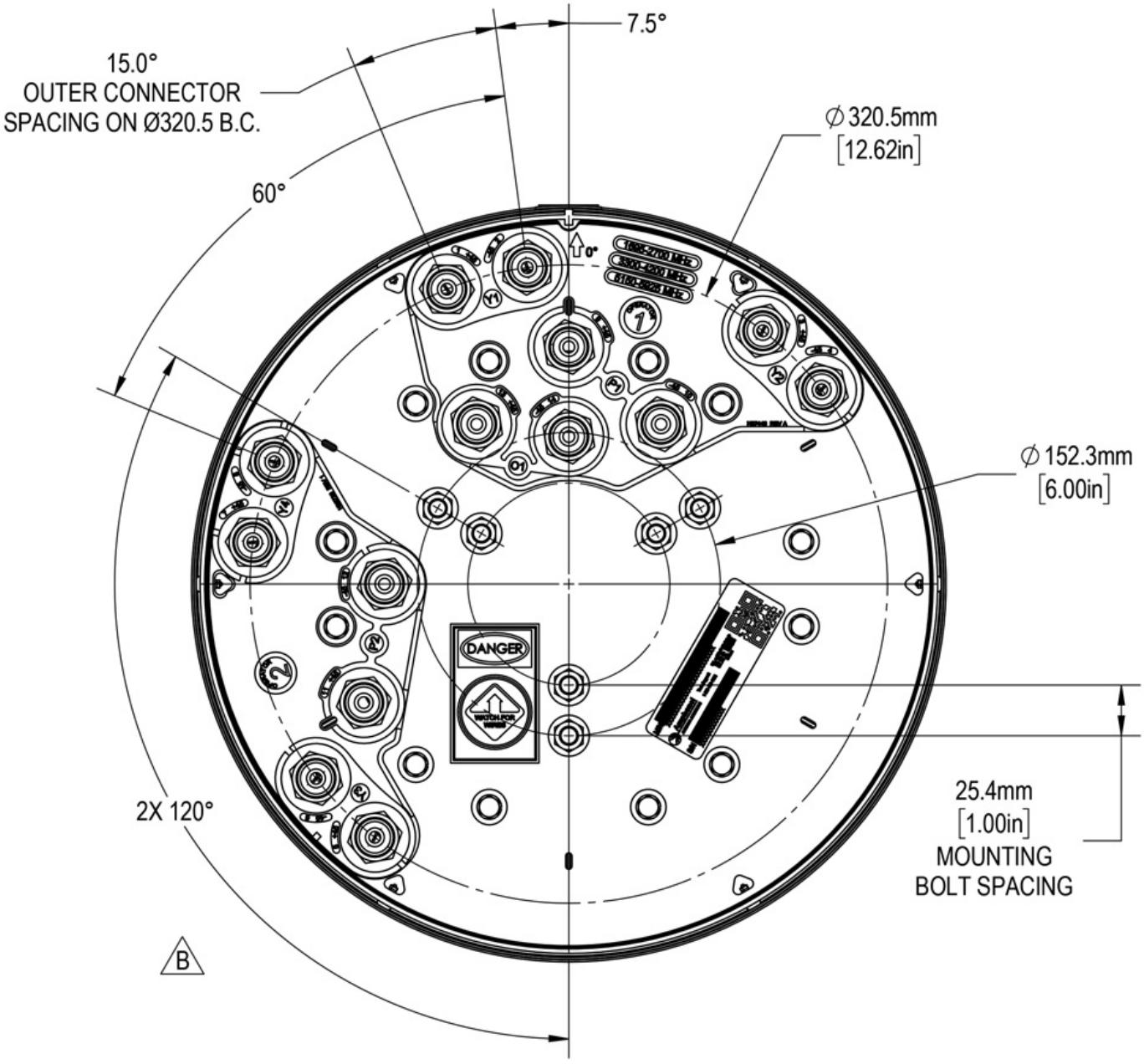
4U3MT360X06Fxys4

BOTTOM VIEW - LABELING



4U3MT360X06Fxys4

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.

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

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.

4U3MT360X06Fxys4

HOW TO READ THE MODEL NUMBER

Each letter and number has meaning.

NUMBER OF BANDS & OPERATING FREQUENCY			PATTERN TYPE	AZIMUTH BEAMWIDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
4U	3M		T	360	X	06	F	xy	s	4	BK BR
(4x) 1695-2700	(2x) 3300-4200	(1x) 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.	4.3-10 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

SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND			ORDER MODEL NUMBER
	1695-2700 MHz	3300-4200 MHz	5150-5925 MHz	
Grey RAL 7035	2°	0°	0°	4U3MT360X06F20s4
	4°	0°	0°	4U3MT360X06F40s4
	6°	0°	0°	4U3MT360X06F60s4
	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	0°	4U3MT360X06FAAs4
	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	0°	4U3MT360X06FBBs4
	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	0°	4U3MT360X06FCCs4
Brown RAL 8022	2°	0°	0°	4U3MT360X06F20s4BR
	4°	0°	0°	4U3MT360X06F40s4BR
	6°	0°	0°	4U3MT360X06F60s4BR
	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	0°	4U3MT360X06FAAs4BR
	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	0°	4U3MT360X06FBBs4BR
	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	0°	4U3MT360X06FCCs4BR
Black RAL 9011	2°	0°	0°	4U3MT360X06F20s4BK
	4°	0°	0°	4U3MT360X06F40s4BK
	6°	0°	0°	4U4MT360X06F60s4BK
	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	0°	4U3MT360X06FAAs4BK
	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	0°	4U3MT360X06FBBs4BK
	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	0°	4U3MT360X06FCCs4BK

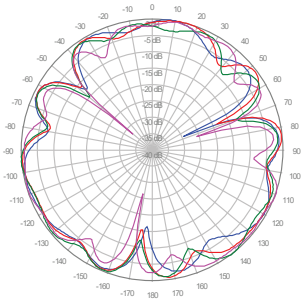
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

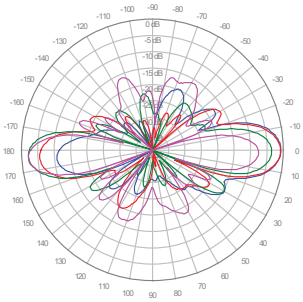
1800 MHz
1900 MHz
2100 MHz
2600 MHz

Y1, 2° TILT

+45°

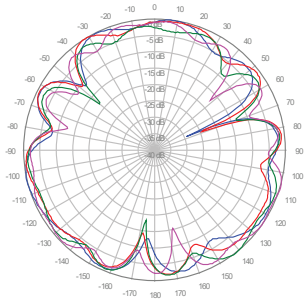


Azimuth

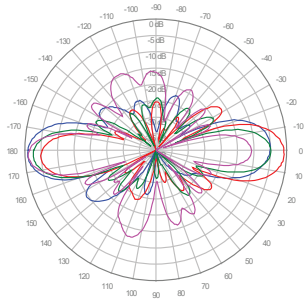


Elevation

-45°



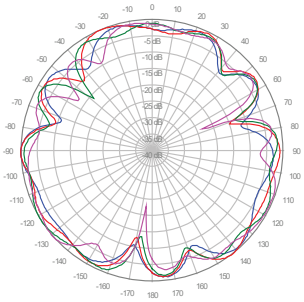
Azimuth



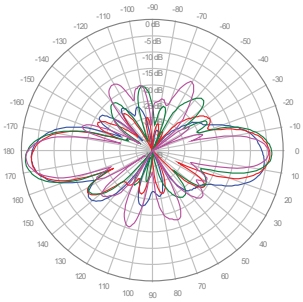
Elevation

Y2, 2° TILT

+45°

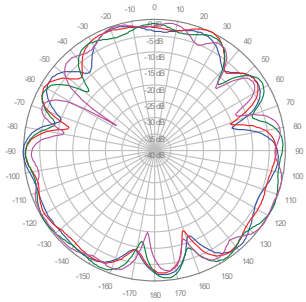


Azimuth

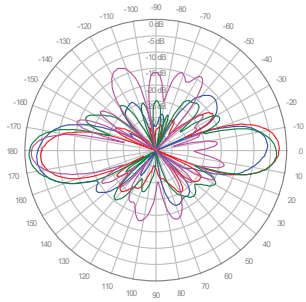


Elevation

-45°



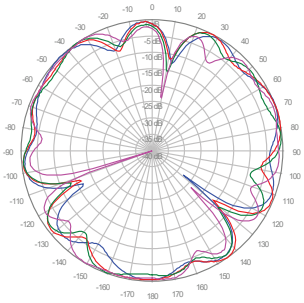
Azimuth



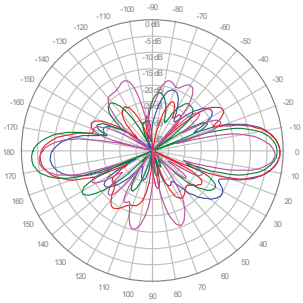
Elevation

Y3, 2° TILT

+45°

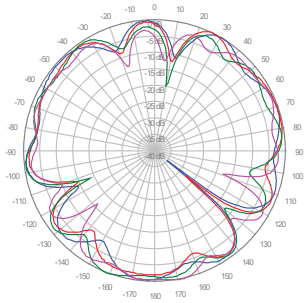


Azimuth

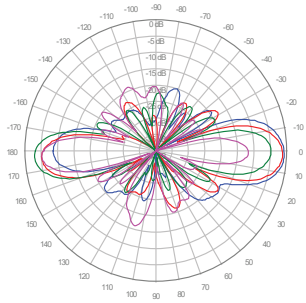


Elevation

-45°



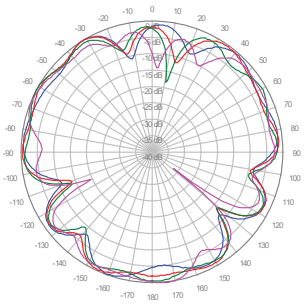
Azimuth



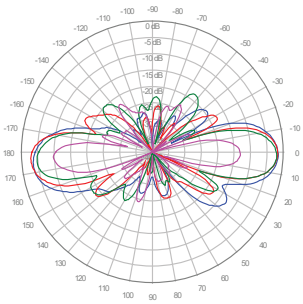
Elevation

Y4, 2° TILT

+45°

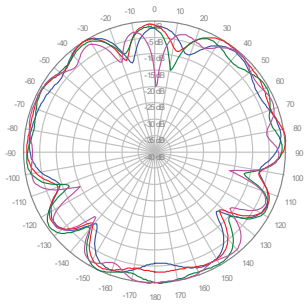


Azimuth

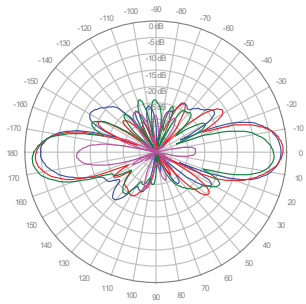


Elevation

-45°



Azimuth



Elevation

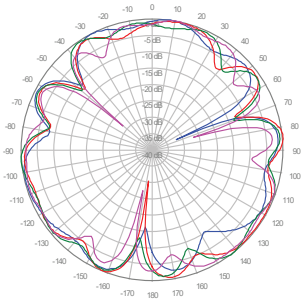
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

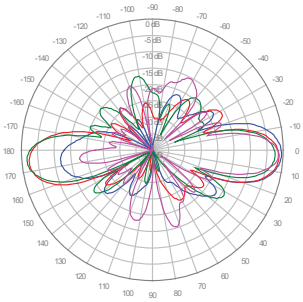
1800 MHz
1900 MHz
2100 MHz
2600 MHz

Y1, 4° TILT

+45°

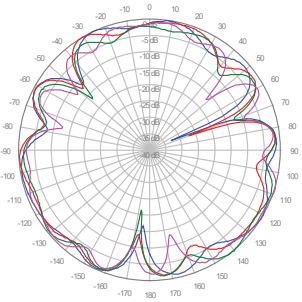


Azimuth

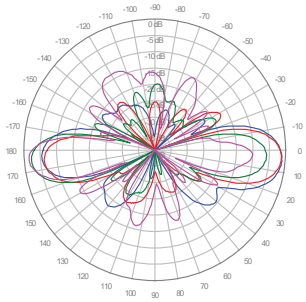


Elevation

-45°



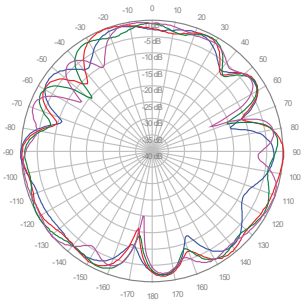
Azimuth



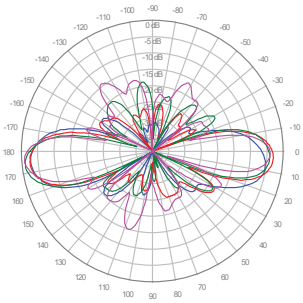
Elevation

Y2, 4° TILT

+45°

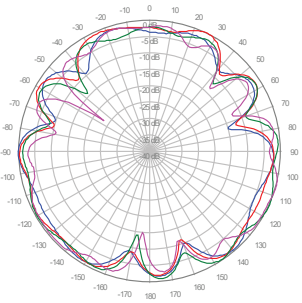


Azimuth

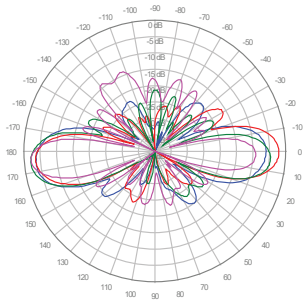


Elevation

-45°



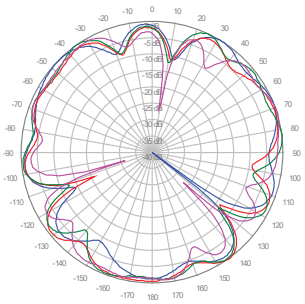
Azimuth



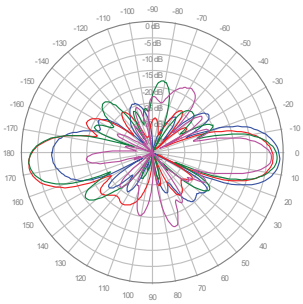
Elevation

Y3, 4° TILT

+45°

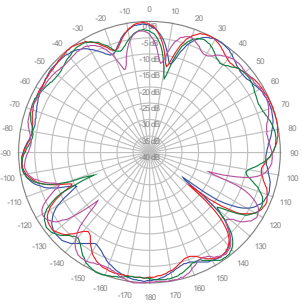


Azimuth

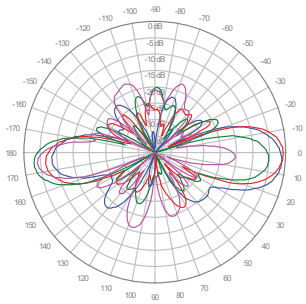


Elevation

-45°



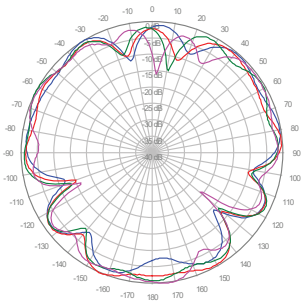
Azimuth



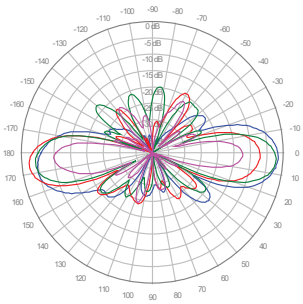
Elevation

Y4, 4° TILT

+45°

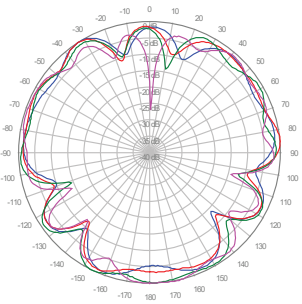


Azimuth

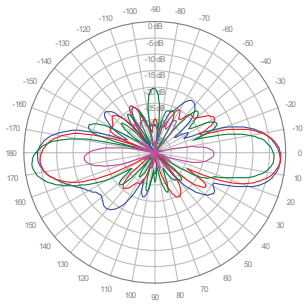


Elevation

-45°



Azimuth



Elevation

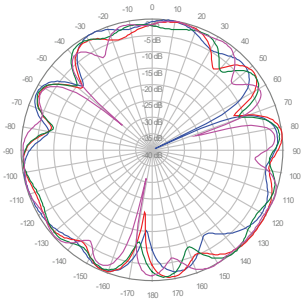
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

4U3MT360X06Fxys4

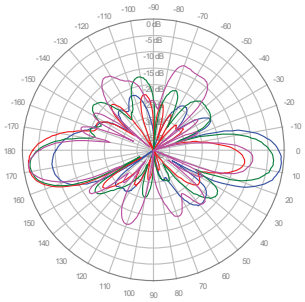
1800 MHz
1900 MHz
2100 MHz
2600 MHz

Y1, 6° TILT

+45°

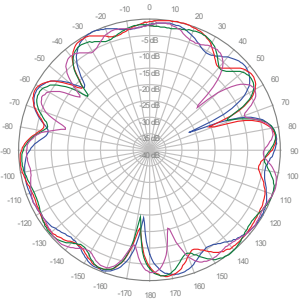


Azimuth

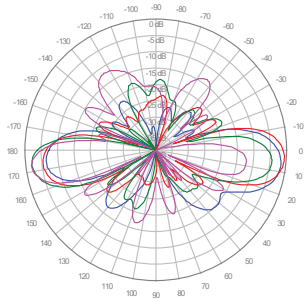


Elevation

-45°



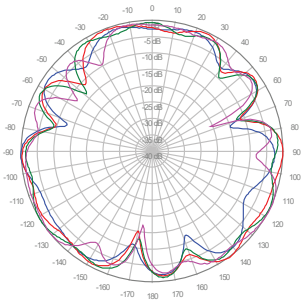
Azimuth



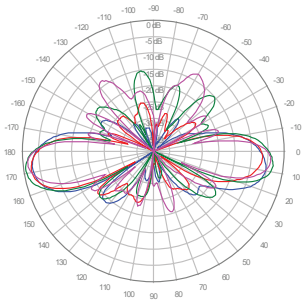
Elevation

Y2, 6° TILT

+45°

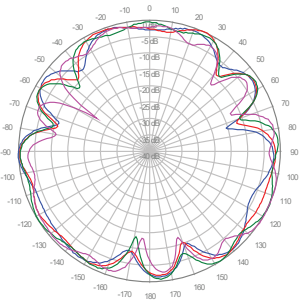


Azimuth

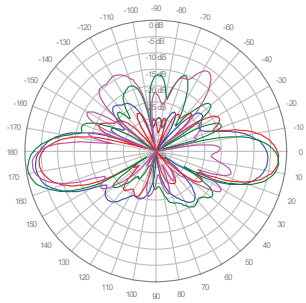


Elevation

-45°



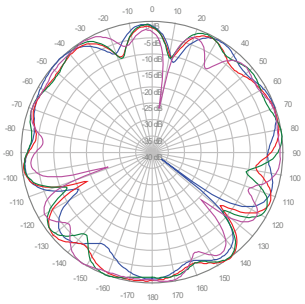
Azimuth



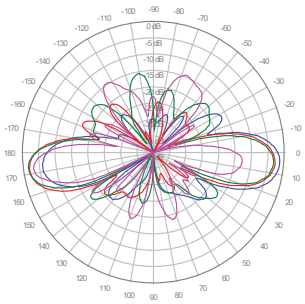
Elevation

Y3, 6° TILT

+45°

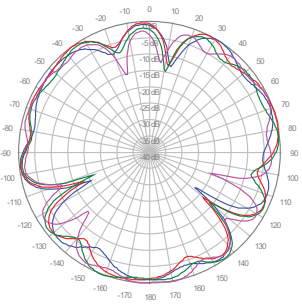


Azimuth

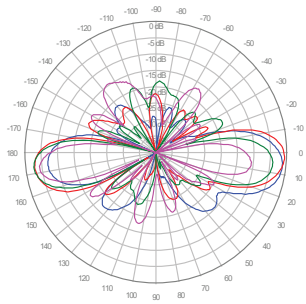


Elevation

-45°



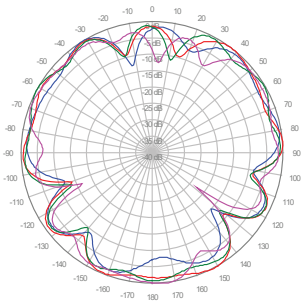
Azimuth



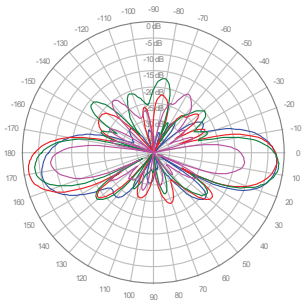
Elevation

Y4, 6° TILT

+45°

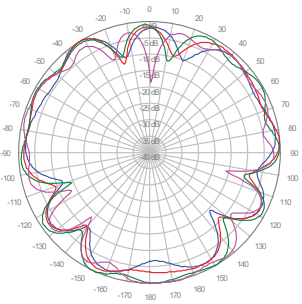


Azimuth

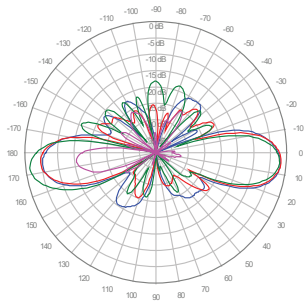


Elevation

-45°



Azimuth



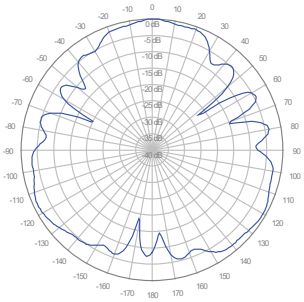
Elevation

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

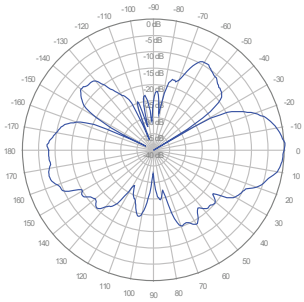
4U3MT360X06Fxys4

P1, 0° TILT

+45°

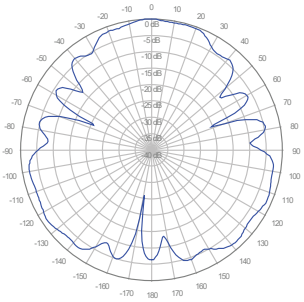


Azimuth (3600 MHz)

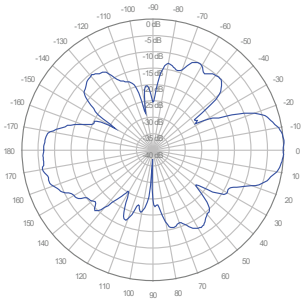


Elevation (3600 MHz)

-45°



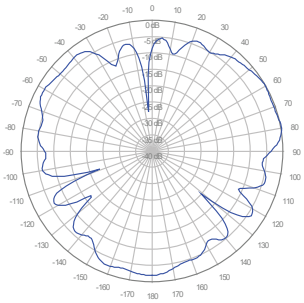
Azimuth (3600 MHz)



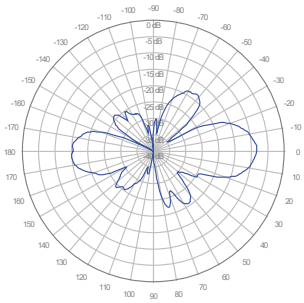
Elevation (3600 MHz)

P2, 0° TILT

+45°

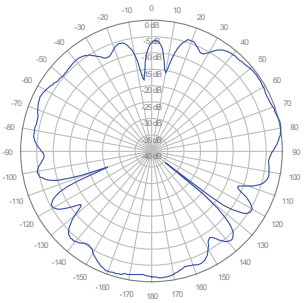


Azimuth (3600 MHz)

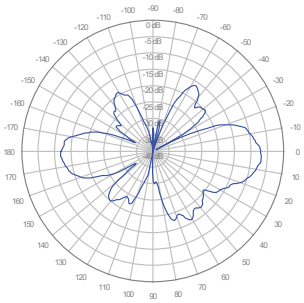


Elevation (3600 MHz)

-45°



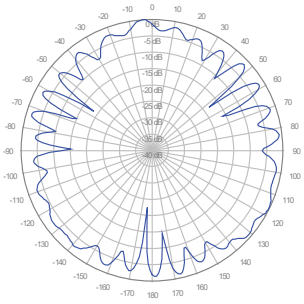
Azimuth (3600 MHz)



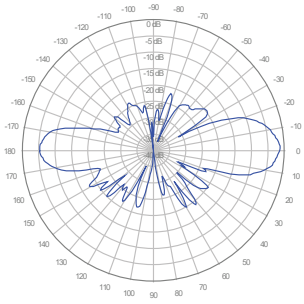
Elevation (3600 MHz)

O1, 0° TILT

+45°

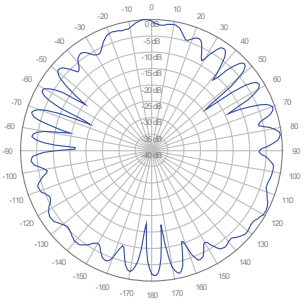


Azimuth (5600 MHz)

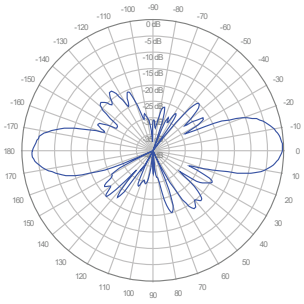


Elevation (5600 MHz)

-45°



Azimuth (5600 MHz)



Elevation (5600 MHz)