

QO-4814x-WLU-14

Quasi-Omni Multi-Band 4X4 MIMO C-RAN Small Cell Antenna



Product Description

Operating Frequency Bands	6x 1695-2360, 4x3550-3700, 4x 5150-5925 MHz
Antenna Type	Small Cell
Band	Multiband

Electrical Specifications

Frequency Band, MHz	1695-1880	1850-1990	1920-2200	2300-2360	3550-3700	5150-5925
Gain, dBi	12	12	12.2	12.5	6	5.5
Horizontal Beamwidth, degrees	360	360	360	360	360	360
Vertical Beamwidth, degrees	9	8	8	8	32	26
Azimuth Ripple, dB (Typ)	+/- 3dB	+/- 3dB	+/- 3dB	+/- 3dB	+/- 4dB	+/- 6dB
Beam Tilt, degrees	0	0	0	0	0	0
Polarization, degrees	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
PIM , 3rd Order, (2X20 W), dBc	<-153	<-153	<-153	<-153	N/A	N/A
VSWR (typ/max)	1.5:1/1.7:1	1.5:1/1.7:1	1.5:1/1.7:1	1.5:1/1.7:1	1.5:1/1.7:1	1.5:1/1.9:1
Isolation, Intrasystem, dB	25	25	25	25	25	25
Isolation, Intersystem, dB	30	30	30	30	30	30
Impedance, Ohm	50	50	50	50	50	50
Input Power Per Port (Max), Watt	150	150	150	150	50	1

Mechanical & Environmental Specifications

Dimensions, (Height x Diameter), in	48x14
RF Connector	14 x 4.3-10 (F); (7-16 DIN available)
Mounting	Top mount (Mounts over 3.0" OD post); (Side mount (Mounts to 1 3/4" - 3" OD post) available)
Weight, lbs	40
Radome Material	ABS
Color	Brown Standard (Color Options Available)
Wind Survival, mph	150
Lightning Protection	Direct Ground

Patterns

Patterns available upon request



Note₁: FCC Title 47 part 15 for fixed outdoor point to multi-point. EIRP should be less than 21dBm for all elevation angles 30 degree above Horizon.
Note₂: Other sector configurations (Tri-Sectors, Dual-Sectors, Back-to-Back) are available.
Note₃: Other fixed tilts are available.

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 may result in damage to this product. Phazar may make improvements to products without notice.

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Base Connector Detail View



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