



X7C-265

65° Azimuth Beam, 24.0 inches

Directing our energies for you.

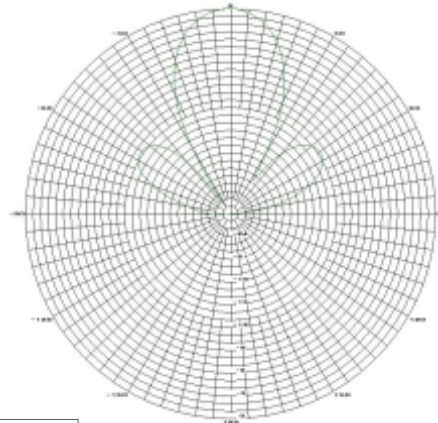
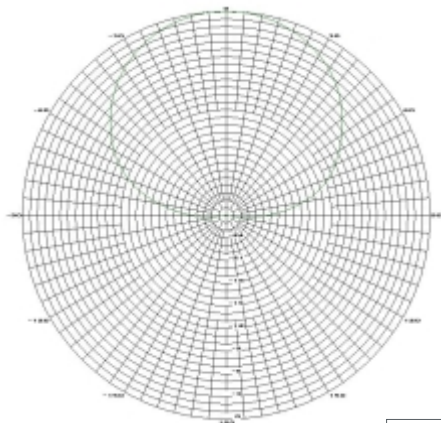
698-896 MHz Band

Electrical Specifications

Frequency	698-896 MHz
Polarization	Slant +/- 45
Gain @ 698 MHz	9.2 dBd
Gain @ 752 MHz	9.4 dBd
Gain @ 782 MHz	9.7 dBd
Gain @ 896 MHz	10.0 dBd
Horizontal Beam (3dB Points)	63°
Vertical Beam (3dB Points)	28°
Electrical Downtilt Options	0°
VSWR / Return Loss	<1.40:1 / 15.6 dB
VSWR Opt "i" / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>27 dB
Impedance	50 Ohms
Power Input Per Connector	500 Watts CW
Isolation	< -28 dB
Intermodulation (2x20W)	<-150 dBc

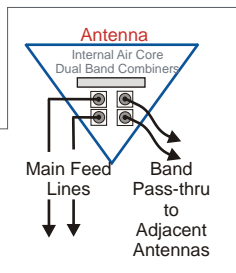
Mechanical Specifications

Input Connector (female)	Bottom 7/16 DIN (silver finish)
Antenna Dimensions (LxWxD)	24.0 x 12.5 x 7.1 in. (610 x 318 x 180mm)
*Antenna Weight	9.0 lbs
Bracket Weight	12.6 lbs
Lightning Protection	Direct Ground
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @ 100MPH	62 lbs
Equivalent Flat Plate @ 100MPH	1.25 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-21°
Clamps/Bolts	Hot Dip Galvanized Steel/Stainless Steel



Available with Opt "i"

- The Opt "i" antenna option provides Integrated Diplexers that reduce mainline cables and eliminate separate external devices.



Return Loss at pass-thru port into 50 load ≥ 17.7 dB

5 Year Warranty

Ordering Information & Options

- X7C-265-0-bot Panel antenna, 65 deg H, bottom mounted connectors, 0-deg e-tilt, with mounting bracket.
- X7C-265-0i-bot for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)
- X7C-265-0i-bot-j# add a "-j#" to add a 1/2" RF cable, where "#" is the cable length, "j2" is 2 meters, "j4" is 4 meters, "j6" is 6 meters...

*Antenna Weight may vary slightly with options such as back or bottom connector and integrated diplexers.

