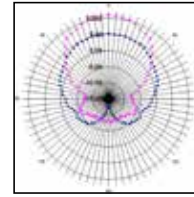


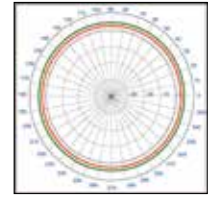
# Building Antennas

## FEATURES

- Built-in ground plane
- Mounting hardware included
- For fixed installations



Signal Patterns  
Panel Antennas when  
mounted vertically  
H - Plane @ 806-894 MHz  
H - Plane @ 1850-1990 MHz



Signal Patterns  
Omni-directional when  
mounted vertically  
H - Plane @ 850 MHz  
H - Plane @ 1920 MHz

301121  
301151



50 ohm & 75 ohm  
311135 & 311155 wall mount  
304451 & 304471 ceiling mount  
304452 & 304472 window mount



311141



311201  
311203



314453 & 314473 weatherproof



Inside Antennas

Outside Antennas

## SPECIFICATIONS

	Dome		Panel						Omni		
Part Number	301121	301151	304451	304471	311135	311155	311141	304452	304472	311201	311203
Frequency	Refer to table on page 28										
Impedance	50 ohms	75 ohms	50 ohms	75 ohms	50 ohms	75 ohms	75 ohms	50 ohms	75 ohms	75 ohms	50 ohms
Polarization	Vertical		Vertical						Vertical		
Antenna Gain	Refer to table on page 28										
Max Power	50 watts						15 watts	50 watts		25 watts	
Beamwidth Hor. Plane	360°		70°/60°			100°	70°/60°		360°		
Beamwidth Ver. Plane	120°		50°/45°			100°	50°/45°		60°		
VSWR	1.5:1		1.5:1			2.0:1 (800) 1.8:1 (1900)	1.5:1		1.8:1		
Connector	N-Female	F-Female	N-Female	F-Female	N-Female	F-Female	F-Female	N-Female	F-Female	F-Female	N-Female
Dimensions	Diameter 8 inches / 20.32 cm		8.27 x 7.09 x 1.73 inches 21 x 18 x 4.39 cm				7.75 x 4.38 x 2.63 inches 19.7 x 11.1 x 6.7 cm			18 inches	
Ground Plane	Built-In Ground Plane						None Required	Built-In Ground Plane		Built-In Ground Plane	
Front to Back Ratio	N/A						11/14 dB typical	N/A		N/A	

# Antenna Frequency Specific Gain Chart (dBi)

		FREQUENCY IN MHz					
		700-800	824-894	880-960	1710-1880	1850-1990	2110-2170
MAGNET MOUNT ANTENNAS	301103	1.9	5.1	3.1	-4.0	6.1	2.3
	311125	1.9	5.1	3.1	-4.0	6.1	2.3
	311128	1.9	5.1	3.1	-4.0	6.1	2.3
	311703	-1.9	4.8	4.6	0.3	4.1	0.6
MINI MAGNET MOUNT ANTENNAS	301113	1.7	2.1	0.5	2.2	3.1	1.4
	301126	1.7	2.1	0.5	2.2	3.1	1.4
DUAL BAND TRUCKER ANTENNAS	311101		5.1			6.1	
	311701			5.1	6.1		
RV TRUCKER W/SPRING ANTENNAS	311119	3.1	4.1	2.0	-1.8	5.1	-2.6
	311133	3.1	4.1	2.0	-1.8	5.1	-2.6
GLASS MOUNT ANTENNAS	311102	1.8	3.5	2.8	-1.5	4.8	1.0
NMO ANTENNAS	311104	2.0	4.9	0.0	-3.1	5.9	1.3
	311112	2.4	5.5	-0.9	-1.2	5.5	1.7
	314203	3.7	4.4	4.3	-4.1	3.7	0.3
DUAL BAND LOW PROFILE ANTENNAS	301152						
	301211	-0.8	1.5	1.2	2.4	3.4	1.2
YAGI ANTENNAS	301111	10.0	10.8	8.8	-16.4	-14.9	-13.8
	311124	-18.7	-23.4	-21.6	9.1	12.5	-10.6
	311129	-0.9	10.1	-7.9	-10.3	-11.9	-8.7
	314411	7.3	8.1	7.4	9.2	10.6	10.4
	314475	7.3	8.1	7.4	9.2	10.6	10.4
DOME ANTENNAS	301121	-2.5	2.5	-0.5	3.5	4.1	1.5
	301151	-2.5	2.5	-0.5	3.5	4.1	1.5
MARINE ANTENNAS	311130	3.4	4.1	3.5	3.1	5.1	0.2
PANEL ANTENNAS	311135	5.2	4.4	4.2	10.1	10.6	8.2
	311155	5.2	4.4	4.2	10.1	10.6	8.2
	314451	5.2	4.4	4.2	10.1	10.6	8.2
	314471	5.2	4.4	4.2	10.1	10.6	8.2
	314452	5.2	4.4	4.2	10.1	10.6	8.2
	314472	5.2	4.4	4.2	10.1	10.6	8.2
	314453	5.2	4.4	4.2	10.1	10.6	8.2
	314473	5.2	4.4	4.2	10.1	10.6	8.2
ULTRA SLIM ANTENNAS	301143	-5.7	-6.8	-9.5	3.1	3.9	5.0
	301149	-5.7	-6.8	-9.5	3.1	3.9	5.0
CRADLE PLUS - PHONE CRADLE	301148	-5.0	0.7	-0.8	2.3	2.6	1.5
EXTERIOR BUILDING ANTENNAS	311141	0.7	4.0	3.6	-1.7	5.5	4.7
	311201	3.2	4.1	2.7	0.6	5.1	-7.5
	301202	3.2	4.1	2.7	0.6	5.1	-7.5

**This is a CONSUMER device.**

**BEFORE USE**, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.

You **MUST** operate this device with approved antennas and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20 cm (8 inches) from any person.

You **MUST** cease operating this device immediately if requested by the FCC or a licensed wireless service provider.

**WARNING.** E911 location information may not be provided or may be inaccurate for calls served by using this device.