

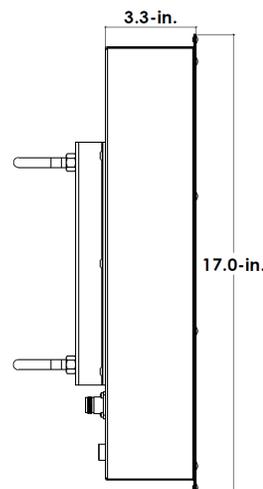
AntennaSys, Inc.

Introducing a patented wide-band antenna that enables low-power Cellular, Wi-Fi, AWS, SMR and other data services.

An ideal antenna solution for Fixed-Mobile Convergence!

(With fewer dropped connections.)

Model ALS-7025 “The Box”



Smooth transition from cellular to data transmissions.

Your indoor or outdoor installation costs less;
One antenna does the work of many.

“The Box” has the widest available bandwidth on the market today.

Polarization fade is eliminated.

Superior pattern control reduces building leakage.

Contact Mr. Spencer Webb -- Email: webb@antennasys.com
USA Toll-Free: (877) 377-6467 -- International: +1-603-369-4952
www.antennasys.com

General Specifications

Frequency	700-2500 MHz	
VSWR	Less than 1.5:1	
Impedance	50 ohms	
Polarization	RHCP	<i>See Fig. 4</i>
Gain	5 dBic typ.	<i>Circular polarization reference</i>
Half-Power Beamwidth	85 degrees typ.	
Power handling	10 watts typ.	
Connector	N female	
Height	17 inches	
Width	17 inches	
Depth	3 inches	<i>Does not include connector nor brackets</i>
Weight	6 lbs.	<i>With brackets and u-bolts as shown in photo</i>

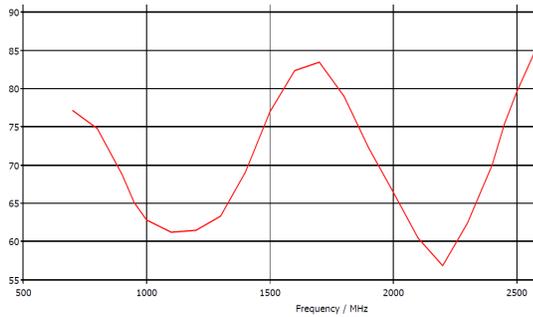


Fig. 1: 3dB Main Lobe Beamwidth vs. Frequency (sim.)

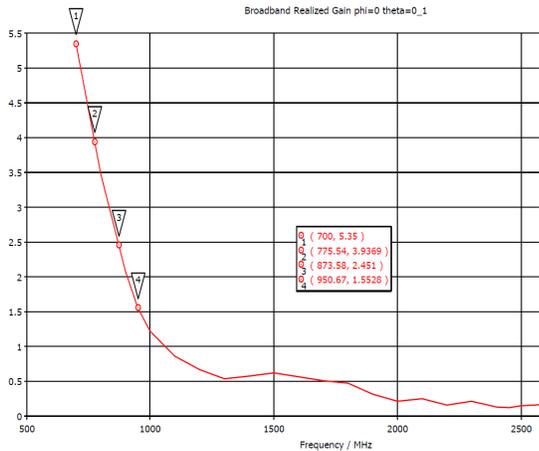


Fig. 2: Axial Ratio vs. Frequency (sim.)

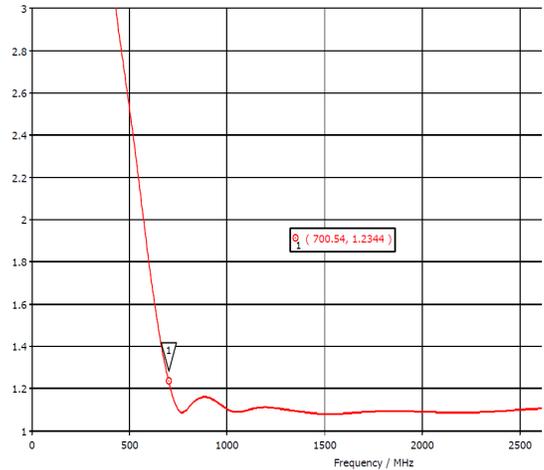


Fig. 3: VSWR vs. Frequency (sim.)

Frequency (MHz)	Gain (dBic)	HPBW (deg.)	On-Axis Axial Ratio (dB)	F/B (dB)
700	-	80	5.3	34
776	4.0	80	3.9	24
874	5.1	80	3.2	41
950	4.1	83	1.9	30
1900	4.7	98	0.4	28
1982	4.8	100	0.2	34
2450	5.1	97	0.5	32

Fig. 4: Results of calibrated antenna range measurements

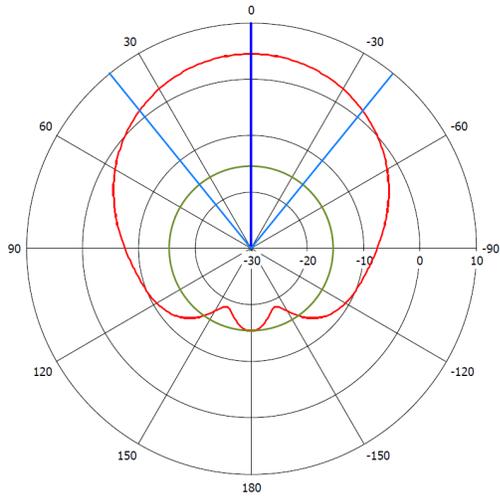


Fig. 5: 700 MHz Azimuth Pattern (sim.)

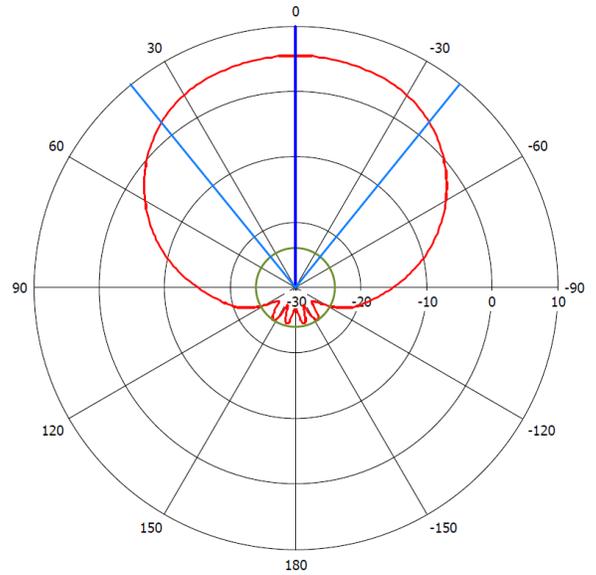


Fig. 8: 2450 MHz Azimuth Pattern (sim.)

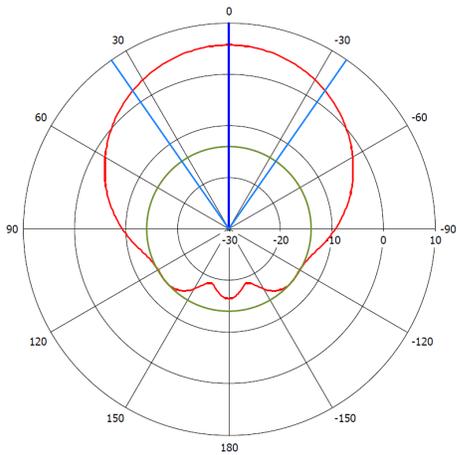


Fig. 6: 900 MHz Azimuth Pattern (sim.)

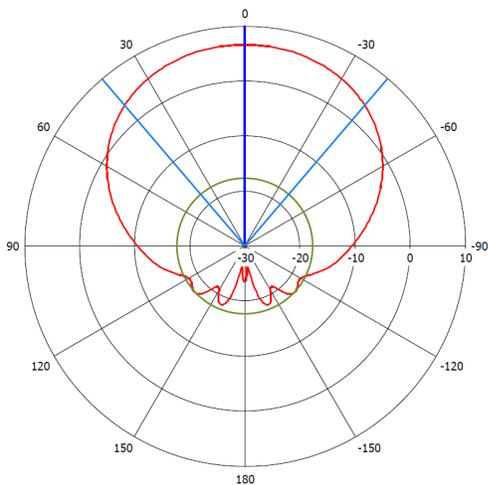


Fig. 7: 1800 MHz Azimuth Pattern (sim.)

Data marked "sim." was simulated using 3D electromagnetic simulation tools during the design process. Data marked "typ." is typical and not guaranteed. Data marked as *measured* was gathered by an independent testing laboratory. Specifications are preliminary and subject to change.

Contact AntennaSys for other variations of this antenna, or other requirements that you may have:

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*Other versions of this antenna are under development.
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