



Performance Comparison: Single Pin Antenna versus Accutenna Technology

A test conducted by an independent company in downtown Chicago, which can be considered an environment with a significant amount of multi-path signals, produced the following results:

Single Pin Patch Antenna					
	Horizontal (m)	Altitude (m)	Velocity (m/s)	Slow Heading	Fast Heading
1 st Sigma	20.25	57.5	0.075	1.9	0.275
2 nd Sigma	30.5	75.75	0.175	4.35	1.15
Tallysman TW2710 (an Accutenna® Antenna)					
	Horizontal (m)	Altitude (m)	Velocity (m/s)	Slow Heading	Fast Heading
1 st Sigma	11.5	27	0.075	0.95	0.225
2 nd Sigma	22.75	42.25	0.175	4.925	0.525
Improvement in Accuracy					
	Horizontal (m)	Altitude (m)	Velocity (m/s)	Slow Heading	Fast Heading
1 st Sigma	8.75	30.5	0	0.95	0.05
2 nd Sigma	7.75	32.5	0	-0.	0.625

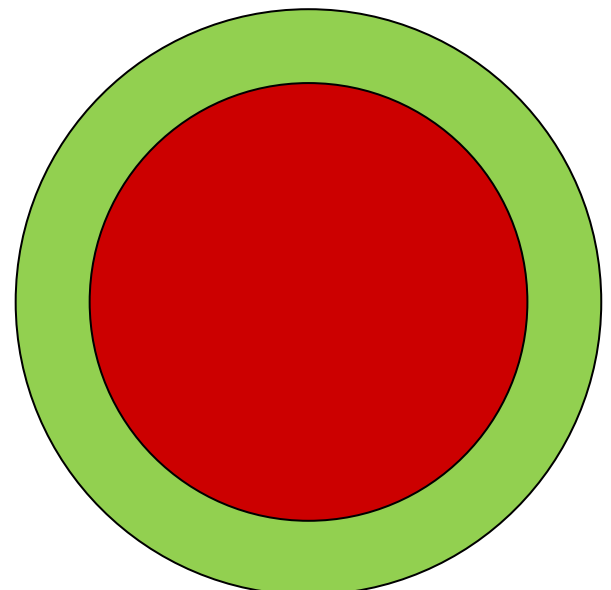
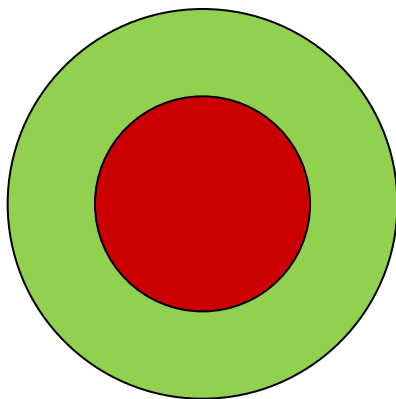
1st Sigma ≈ 68.3% confidence Limit
 2nd Sigma ≈ 95.4% Confidence Limit

Scaled Graphical Representation:

Horizontal Position
 Single Pin versus Accutenna

68.3% Confidence:

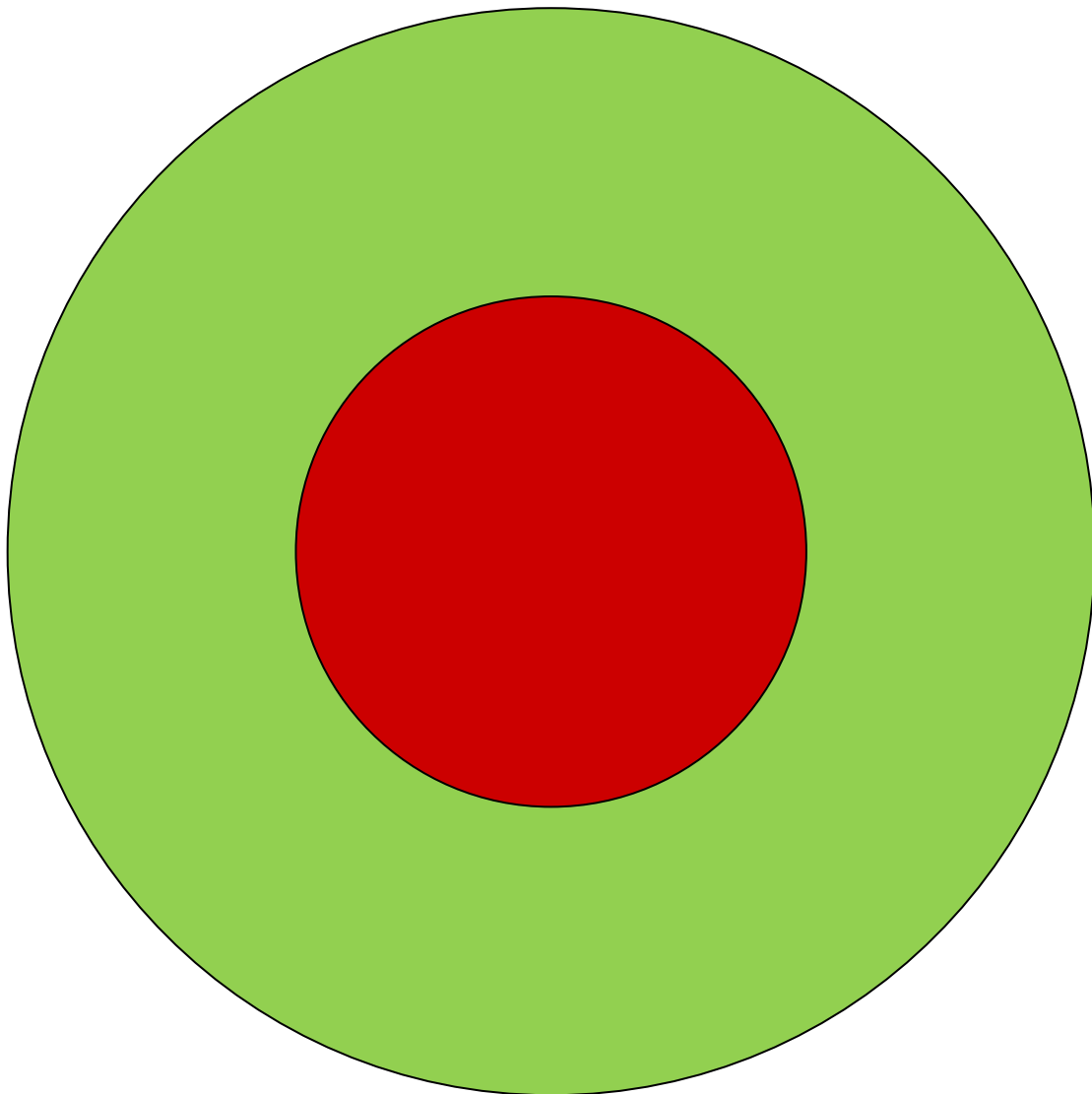
95.4% Confidence





Altitude
Single Pin versus Accutenna

68.3% Confidence:





Altitude

Single Pin versus Accutenna

95.4% Confidence

