

Accuracy Measures For Positioning Systems

Dimensions	Accuracy Measure	Probability (percent)	Typical Usage (dimension)
1	rms	68	vertical
2	CEP	50	horizontal
2	rms	63-68	horizontal
2	R95	95	horizontal
2	2drms	95-98	horizontal
3	rms	61-68	3-D
3	SEP	50	3-D

rms (vertical)	CEP	rms (horizontal)	R95 (horizontal 95 percent)	2drms	rms (3-D)	SEP	
1	0.44	0.53	0.91	1.1	1.1	0.88	rms (vertical)
	1	1.2	2.1	2.4	2.5	2.0	CEP
		1	1.7	2	2.1	1.7	rms (horizontal)
			1	1.2	1.2	0.96	R95 (horizontal 95 percent)
				1	1.1	0.85	2drms
					1	0.79	rms (3-D)
						1	SEP