

"TECHNICAL DATA EXHIBIT: DIRECTIONAL ANTENNA"

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Radiation Pattern Envelope (RPE) for Low Sidelobe, X-band, Profiling Radar Antenna, Gain 42.2dBi

<u>Elevation Angle (degrees)</u>	<u>Offset From Main Beam (degrees)</u>	<u>RPE (dBc)</u>	<u>ERP (Pt 25kW)</u>	<u>Notes</u>
90	0	0	200881531	Vertical-pointing main beam
89.35	0.65	-3	100679259	
88.2	1.8	-19	2528949	
88	2	-20	2008815	
85	5	-23	1006793	
77.5	12.5	-31	159566	
75	15	-31	159566	
45	45	-40	20088	
15	75	-40	20088	Horizontal plane
0	90	-60	201	