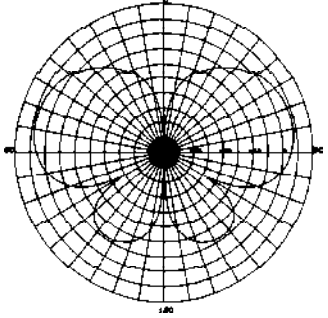
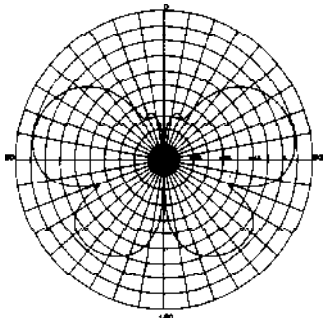
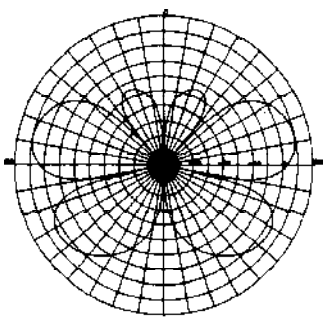
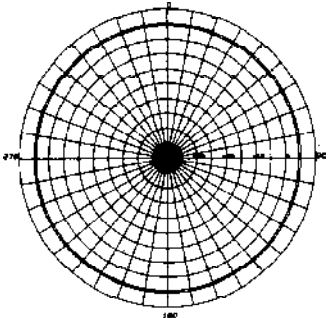


DPV-63A

- OMNIDIRECTIONAL
- TRANSPORTABLE
- STACKABLE
- QUICK ERECT

SPECIFICATIONS			
RF CHARACTERISTICS			
Frequency Range	225 to 400 MHz	 <p>DPV-63 ANTENNA Elevation Pattern From Base Scale in dB; Frequency = 300 MHz</p>	
VSWR	2:1 maximum		
Impedance	50 Ohms unbalanced		
Power	50 watts, avg 100 watts PEP		
Polarization	Vertical		
Gain	2.5 dBi minimum		
Isolation	30 dB minimum between two stacked units		
Patterns			
Azimuth	Omnidirectional ± 1 dB		
Elevation	-3 dB beam width, 24 to 44 degrees, 14° (nominal) uptilt		
ENVIRONMENTAL CHARACTERISTICS			
Wind		 <p>DPV-63 ANTENNA Elevation Pattern From Base Scale in dB; Frequency = 300 MHz</p>	
Survival	115 mph (100 knots)		
Operational	86 mph (75 knots)		
Snow	4.5 lbs/ft ² (22 kg/m ²)		
Salt Fog	MIL STD 810, Method 509.2		
Altitude			
Operation	12,000 ft		
Storage	40,000 ft		
Fungus	MIL STD 454, Requirement 4		
Vibration (Stowed)	MIL STD 810, Procedure I		
Shock (Stowed)	30g, 33ms, 1/2 sine wave		
Sand and Dust	MIL STD 810, Method 510.2, Procedures I & II		
Rain	4 in/hr, 40 mph winds	 <p>DPV-63 ANTENNA Elevation Pattern From Base Scale in dB; Frequency = 400 MHz</p>	
Humidity	MIL STD 810, Method 507.2, Procedure III		
Temperature			
Operation	-54°C to +65°C		
Storage	-62°C to +71°C		
Solar Loading	360 BTU/hr per ft ² at +65°C		
MECHANICAL CHARACTERISTICS			
Deployed Size			 <p>DPV-63 ANTENNA Azimuth Pattern Scale in dB Theta = 75 Degrees Frequency = 400 MHz</p>
Shelter Mount	1.2 ft x 1.2 ft x 8.25 ft for one stack; add 8.25 ft for each additional stack		
Ground Mount	32 ft dia x 14.25 ft for one stack; add 8.25 ft for each additional stack		
Stowed Size (Antenna only)	14.2 ft ³ (1.2 ft x 1.2 ft x 9.83 ft)		
Weight			
Antenna with tilt base	1-28 lbs, 2-49 lbs, 3-70 lbs		
Ground Mount Kit (Pedestal, guys, anchors, ground rod and ground storage	30 lbs		
Finish	Per MIL P 53039, Green 383 CARC		
Installation Time (two stack)			
Shelter	1 person, less than 15 min		
Ground Mount (excluding anchors)	2 persons, less than 10 min		