DATASHEET

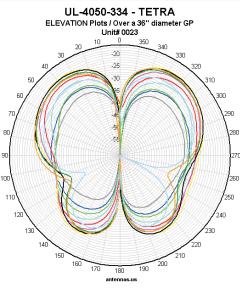
Antenna model UL-4050-334

A broadband, rugged, mobile radio antenna designed to service two contiguous ETSI TETRA UHF Bands used in EMS (Emergency Medical Services), Law Enforcement, Government and Civil services, featuring a DC grounded radiating element. With modest dimensions of 1.5"/4 cm (OD) x 4"/10 cm (height), this antenna radiates with a typical peak omnidirectional gain of +4 dBil, when mounted on a large metal surface of at least 16"/40 cm radius. Internally, the radiating element is DC grounded to help protect the transceiver from nearby, but not direct ElectroStatic Discharge (ESD).

Frequency range:	380-430 MHz
Coverage:	Omni-directional, low azimuthal ripple
Polarization:	Linear, Vertical
Gain:	+3 dBil
Nominal Impedance:	50 ohm (RF), Short Circuit (DC)
VSWR : 2	.0
Connector:	NMO, Female
Dimensions:	Housing 3.8 cm (1.5") OD x 10.3 cm (4.05") h
	Bottom flange 5 cm (2") OD x 3 mm (0.12") h
Mounting:	direct NMO connector mount
Operating Temperatures: -40°C to +85°C	
Shock:	Operates after drop from 6 m/20 ft onto asphalt
Weight:	100 g / 0.25 lbs

200 420 MU-

Frequencies (MHz) 420 360 370 360 390 400 420 430 440 450 FREQ (MHz) Gair (dBi) 350.00 -1.43 360.00 -0.39 370.00 1.67 4.33 380.00 90.00 5.46 400.00 5.73 5.71 410.00 420.00 4.92 430.00 3.93 440.00 4.25 \$50.00 2.64 150 ANTENNA ORIENTATIO 160 170 <u>Top</u> Points to <u>0</u>⁰ Mark <u>Base</u> Points to <u>180</u>⁰ Ma

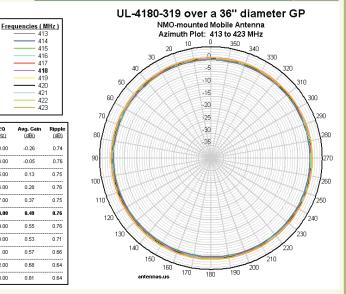


Specifications subject to change without notice

Patent Pending

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FREQ (MHz)

413.00

414.00

415.00

416.00

417.00

118.00

419.00

420.00

421.00

422.00

423.00

414

415

416 417

Avg. Gain (dBi)

-0.26

-0.05

0.13

0.28

0.37

0.49

0.55

0.53

0.57

0.68

0.81