

Broadband UHF Mobile Antenna

380-470 or 450-520MHz

CD61 Series



The CD61 Series broadband antenna supports multiband radio technology, providing full interoperability among emergency services and commercial radios, regardless of UHF segment used. They provide outstanding coverage of UHF frequencies, in a ready-to-install, no tune design.

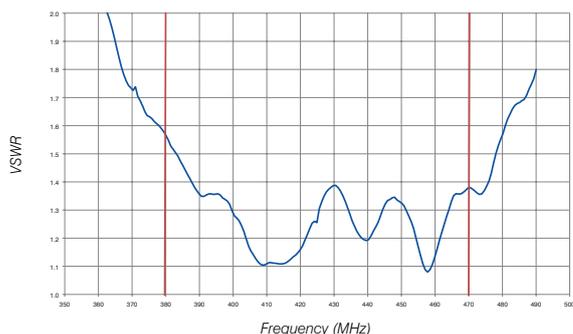
The integrated matching circuit is housed in a rugged, impact-resistant base for maximum durability with a fully moulded highly flexible whip. The CD61 is designed to interface with standard PL259 (MBC) mobile mounts, facilitates existing installation upgrades on public safety vehicles.

Features:

- Ground plane independent design allows alternative mounting locations
- Ultra broadband coverage mean no tuning in the field
- Highly flexible over-moulded whip
- Base is virtually indestructible

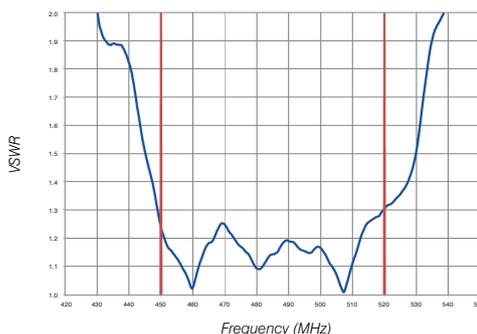
VSWR Plot (380-470MHz):

Typical VSWR Response



VSWR Plot (450-520MHz):

Typical VSWR Response



Electrical Specifications

Model Number	CD61-3847-XX	CD61-4552-XX
Frequency MHz	380-470	450-520
Gain dBq	4.0	
Polarisation	Vertical	
VSWR (Return Loss)	380-400MHz <1.7:1 400-470MHz <1.5:1	<1.5:1
Impedance Ω	50	
Input Power W	25	
Tuned Beamwidth	Full	

Mechanical Specifications

Model Number	CD61-3847-50	CD61-3847-53	CD61-4552-50	CD61-4552-53
Whip Material	TPU Over-moulded whip			
Length mm	370		273	
Mounting	MBC base (included)			
Cable				
Connector	Not supplied	5M RG58C/U	Not supplied	5M RG58C/U
Mounting	Not included			