Outdoor Low profile direct mount Antenna

SKF490DM - 470-512 MHz





Features & Applications:

- *P* Vehicle roof mount, directly on metal plane
- @ 470-512MHz
- Cable length and connector type per request
- Available in Black (P/N SKF490DM) or White (P/N SKF490DMW)
- Heavy and light vehicles
- IoT, navigation, tracking

Electrical specifications @ 25° C								
Frequency Band – 470-512 MHz								
Antenna type ¹	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground			
Dipole	50Ω	Vertical	Omni	100W	Yes			

Frequency (MHz)	470-512	
VSWR W/17FT (5.2M) Cable	2.2:1	
Peak Gain (dBi)	2.2	
Efficiency (%)	85	
HPBW Vertical Plane (°)	72	

Mechanical Specifications								
SKF490DM								
Size W/H/L	Color	Weight	Cable / Connector Type	Fixing System ²				
52.5 (2.07") x 63.6 (2.50") x 178.3 (7.02") mm	Black	375grms (0.83lbs)	RG-58 / SMA-Male	Direct Mount				
Housing Material	Operating Temperature	Storage Temperature	Ingress Protection	RoHS-6 Compliant				
UV Protected Plastic	-40°C to +85°C	-40°C to +85°C	IP67	Yes				

Notes:

- 1. Measured on Ø24" (609.6mm) ground plane.
- 2. Requires Ø.875" (22.3mm) hole.

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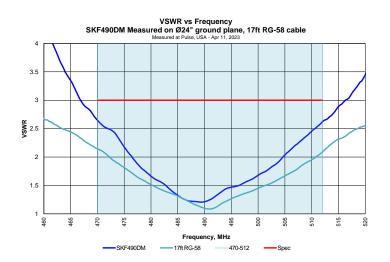


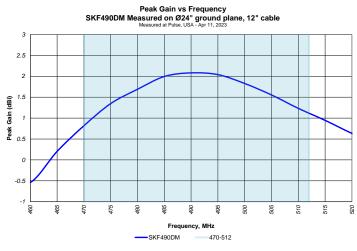
Test Setup / Charts

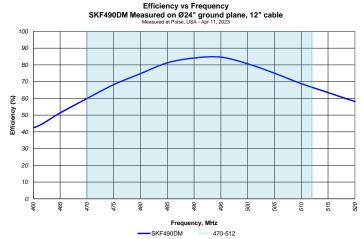
SKF490DM

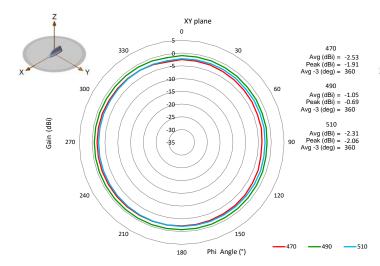


antenna sample measured on Ø24" (609.6mm) ground plane

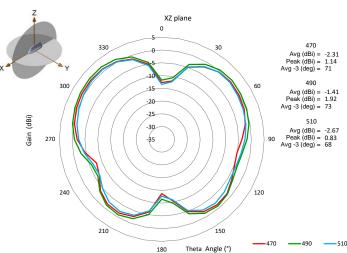








2



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