

Outdoor

Low profile direct mount Antenna

SKF490DM – 470-512 MHz



Features & Applications:

- 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	Mechanical Specifications				
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:

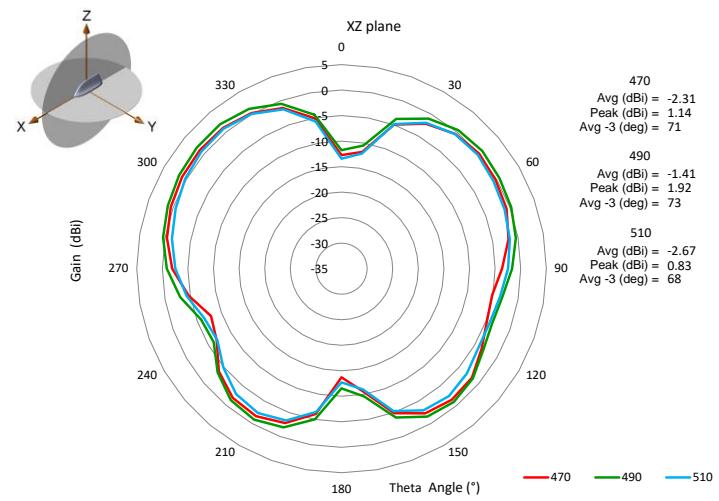
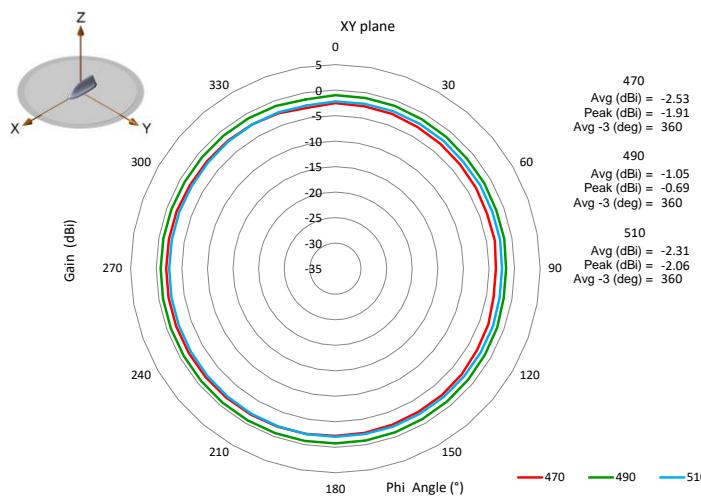
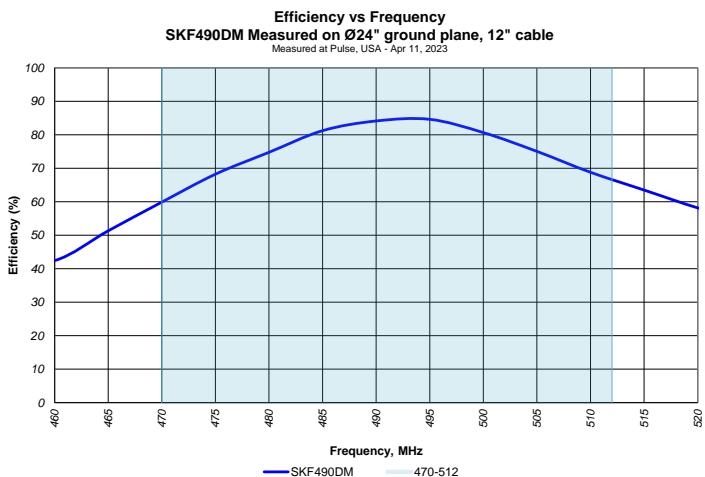
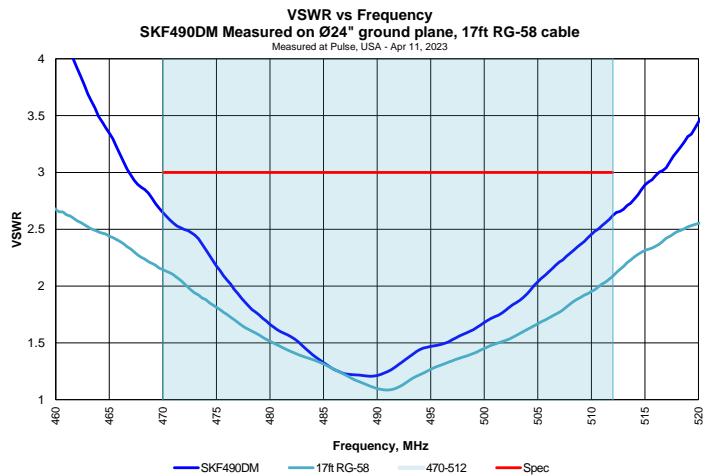
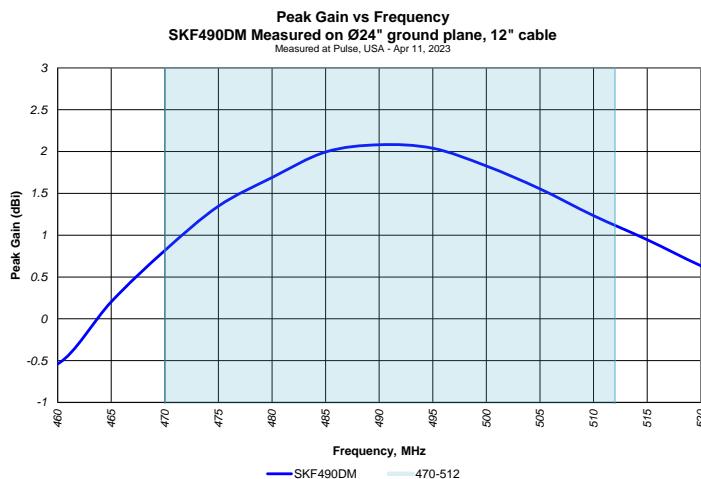
1. Measured on Ø24" (609.6mm) ground plane.
2. Requires Ø.875" (22.3mm) hole.

Test Setup / Charts

SKF490DM



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



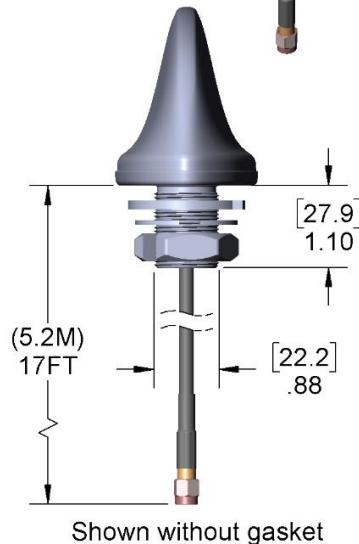
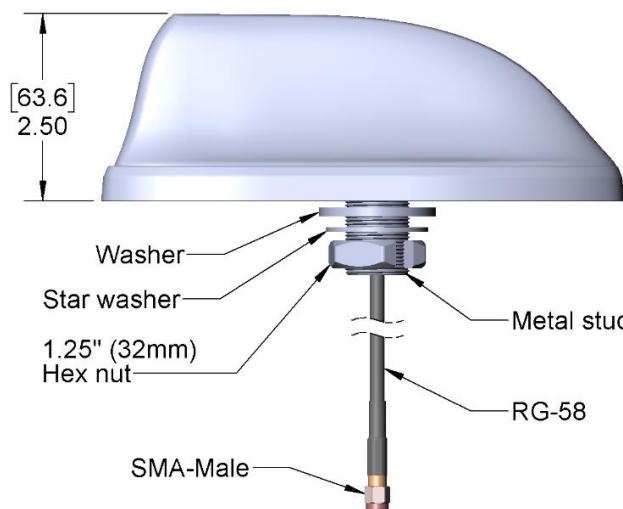
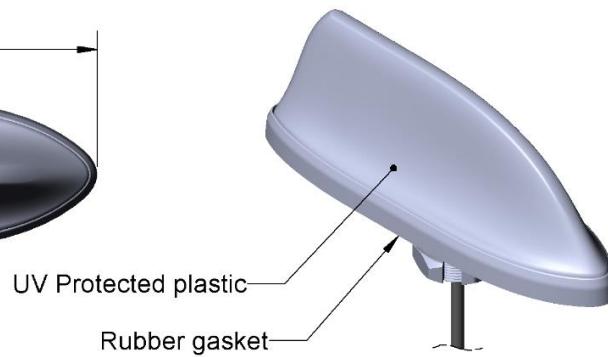
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Mechanical Drawing

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Dimensions: Inches (mm)

Unless otherwise specified, all tolerances are $\pm .010$ (0.25mm)

Packaging

SKF490DM

Packaging info:

1 antenna packed in a plastic bag.
1 label on each plastic bag with part number, description, date code.

Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

Americas - antennas.us@pulseelectronics.com | **Europe** - antennas.eu@pulseelectronics.com | **Asia** - antennas.as@pulseelectronics.com | **Questions?** +1-800-ANTENNA
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